



**EXPERION PKS**  
**RELEASE 511.3**

**Software Change Notice**

EPDOC-X166-en-5113F

November 2020

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## ABOUT THIS GUIDE

This Software Change Notice describes the prerequisites, resolved PARs, applicable nodes, and steps to install/uninstall the point release. Additionally, this SCN contains information about the change impact and additional information for this point release. The latest version of this SCN is always available on the Honeywell Process Solutions website ([www.honeywellprocess.com](http://www.honeywellprocess.com)).

### 1.1 Revision history

Version	Date	Description
A	April 2020	Initial version.
B	May 2020	PAR 1-BWSFP3R and FTE-Qualified-Switch-firmware-Versions URL update.
C	August 2020	PAR 1-9YDYT9D updated under R511.3 Resolved PARs. List of Supported Migration paths updated for PAR 1-D8O5KUB.
D	September 2020	Added a Note in Supported migration and upgrade paths for PAR 1-DCI7MYF.
E	October 2020	PAR 1-CGEKUJ3 update.
F	November 2020	Updated "Special Considerations" section. Updated "Controllers and Tools" section.

## 2.1 About this point release

This point release has the following major enhancements:

- QVCS support for Experion Batch Multi-Version Recipe
- Experion Batch (Procedure Explorer - Look ahead)
- Experion Local Control Network (ELCN) Unified Engineering Tools
- Merge of R501.6 - ELCN Network Gateway (NG) functionality on both Universal Embedded Appliance (UEA - physical platform) and Universal Virtual Appliance (UVA - virtual platform)
- Enhance ControlNet IO support on Unit Operations Controller (UOC) for C200 Migration
- Experion Reporting Enhancements
- Automatic Installation of User Assistance
- Virtual Unit Operations Controller (vUOC) virtual appliance deployment using Experion Support and Maintenance (ESM)
- Highway Addressable Remote Transducer (HART) Data Integration in UOC Ethernet/IP network
- Modify ControlEdge Integration Feature to Support Programmable Logic Controller (PLC) Tags CDA Browse Function
- Update Automated Device Commissioning (ADC) to support 96 Point Universal Process Cabinet (UPC)
- Modify the existing UIO2 Mark 2 to support only 16 channels of I/O
- Qualify Replacement Smart Card Reader
- UIS-R2308 - Alarm Summary Improvements
- UIS-R2401 - Alarm Shelving
- UIS-R2405 - Controller Normal Mode Report
- UIS-R2106 - Find/Replace in Sequential Control Module (SCM)
- UIS-R2304 - Provide copy/move feature for SCM step outputs and transition conditions
- UIS-R2502 - Ability to navigate/switch between Monitoring and Project with one-click
- UIS-R2406 - Add hourly average function to group displays
- UIS-R2203 - TPS Faceplate Consistency Group
- UOC Device Level Ring (DLR) Topology - Connecting 2 DLR rings
- Full removal of Silverlight from Experion
- Adding Short Circuit Alarm (SCA) Thermocouple (TC) / Resistance Temperature Detector module configuration utility in Experion
- Enables upgrading [prior releases](#) of Experion to Experion R511.3

**ATTENTION**

- Controller firmware upgrade or migration is only required if the system is experiencing one or more problems resolved in [Controllers and Tools resolved PARs](#) section, or customer wants to use any of the new functions in [New features and enhancements](#).
- If you intend to upgrade or migrate system, be sure to contact HPS Migration Centre of Excellence (COE) at least four weeks before you install this point release.
- This Software Change Notice includes a prioritized Product Anomaly Report (PAR) summary. Contact the Honeywell Technical Assistance Center (TAC) for assistance if you observe issues which are not documented in this SCN.
- This point release is qualified if individual server patches or TPN server patches are installed on the point releases.
- New features in this point release do not impact the earlier rule of direct migrations of controllers or I/O from any point release or patch to any target release as mentioned in the site-specific migration guide and scenario-specific migration guide. For qualified controller migration paths, refer to "Supported controller migration paths" on page 25.

## 2.2 Do I need to upgrade?

Item to Check	Reference	Yes/No
Are the new features and enhancements mandatory for my system?	Refer to <a href="#">New features and enhancements</a> section	
Are the resolved PARs needed for my system?	Refer to <a href="#">Resolved PARs</a> section	
Is this point release applicable to my system configuration?	Refer to <a href="#">Applicable nodes</a> and <a href="#">Applicable modules</a> sections	
Are the limitations and known issues preventing me from upgrading?	Refer to <a href="#">Known issues</a> section	

## 2.3 Check for updates on Honeywell Process Solutions website

The Honeywell Process Solutions website, <http://www.honeywellprocess.com> contains the most up-to-date software updates, documentation, and recommended antivirus updates. You can find the latest version of this SCN on [Honeywell Process Solutions website](#).

### 2.3.1 To access the Honeywell Process Solutions website

1. In a web browser, type the following URL.  
<https://www.honeywellprocess.com/support>  
The **SUPPORT** page appears, and the **Search Knowledge Base** tab is selected by default.
2. Select **Click Here to Login** in the top-right corner of the page.  
The home page appears.
3. If you are a new user, register at this website. Click **Register**, and follow the on-screen instructions.
4. If you are already registered, type your **Account Login** user name and password, and click **Login**.  
Your account name appears in the top-right of the page.

## 2.3.2 To download documents, security updates, or antivirus notifications

1. Click **Latest Documentation** as shown in the following image.  
The **All Support Documentation** page appears as a new page.
2. In the **Search** box, type the name of the required document, security update, or antivirus notification.  
For example, to download an SCN, type **Experion General Release Software Change Notice** or **Experion Support Media Software Change Notice** in the **Search** box.
3. Click **Search**.  
The **All Support Search Results** page appears with the search results.
4. In the left pane, use the **Search Result Filters** to further filter the document, security update, or antivirus notification. For example, if you are locating a Software Change Notice:
  - a. Under **Document Type**, click **Software Change Notice**.
  - b. Under **Product Release**, click the required Experion product release.
5. Click the document, security update, or antivirus notification link to open it.

## 2.3.3 To download the Knowledge Base Articles

1. Go to Honeywell Process Solutions website ([www.honeywellprocess.com](http://www.honeywellprocess.com)).
2. Login using the required credentials.
3. Click **SUPPORT** tab.
4. Click **RECENTLY PUBLISHED** tab for the latest articles.
5. Click on the Article ID to view and download the article.
6. To download the older articles, type the keyword of the required article and press **Enter**.
7. Click on the article name to view and download the article.

## 2.3.4 Validate latest FTE qualified IOS switch templates

1. Go to Honeywell Process Solutions website ([www.honeywellprocess.com](http://www.honeywellprocess.com)).
2. Login using the required credentials.
3. Click **SUPPORT** tab.
4. In the **Search** box, type "FTE qualified switch firmware versions".
5. Click **Search**.
6. Click the document link from search results to open it.

7. You can also access the latest FTE qualified switch firmware versions information at the Honeywell Process Solutions website, click the following link.

<https://www.honeywellprocess.com/library/support/Documents/Customer/FTE-Qualified-Switch-firmware-Versions.pdf>

8. Verify the FTE switches used in FTE network are installed with latest IOS.

9. Make sure the FTE switches are configured with latest configuration template.

## 2.3.5 To download the latest documentation

Perform the below steps to download the latest documentation:

1. Go to Honeywell Process Solutions website ([www.honeywellprocess.com](http://www.honeywellprocess.com)).
2. Login using the required credentials.
3. Click **SUPPORT** tab.
4. Click **Latest Documentation** under **LATEST SUPPORT FILES** for recently published documents.
5. Click on the required document to download the document.
6. To download the older documents, type the keyword of the required document and press **Enter**.
7. Click on the required document to download the document.

## 2.4 Who must read this document?

The information in this guide is useful if you are planning to install, migrate, or configure the Experion R511.3 system. See this guide to understand the overall product, release interoperabilities, system dependencies, problem resolutions, known issues, and special considerations. The SCN must be readily available for reference at any stage of Experion R511.3 system setup.

## 2.5 Change impact

Change impact addresses the areas where control, operational, or infrastructural changes are delivered as part of the PAR fix. This is observed when migration occurs from a prior release to the current patch. A noticeable change in behavior is observed after installing the patch. This section describes such change in behavior.

### 2.5.1 Control change impact

Not Applicable.

### 2.5.2 Operational change impact

#### Experion Batch operator interface

There are changes to the Batch Creation and Parameter details, Procedure Explorer, Unit Timeline and detail displays. For details, refer *Experion Batch* in [New Features and Enhancements](#).

### 2.5.3 Infrastructural change impact

Not Applicable.

## CONTENTS OF THIS RELEASE

### 3.1 Experion User Assistance

Prior to ExperionR511, the Experion documentation was packaged in two PDF collections: the *System Documentation* and the *Installation and Migration* documentation.

In R511, the User Assistance, a browser-based documentation interface, replaces the PDF Collections to enhance the user experience on PCs and smart devices, such as tablets.

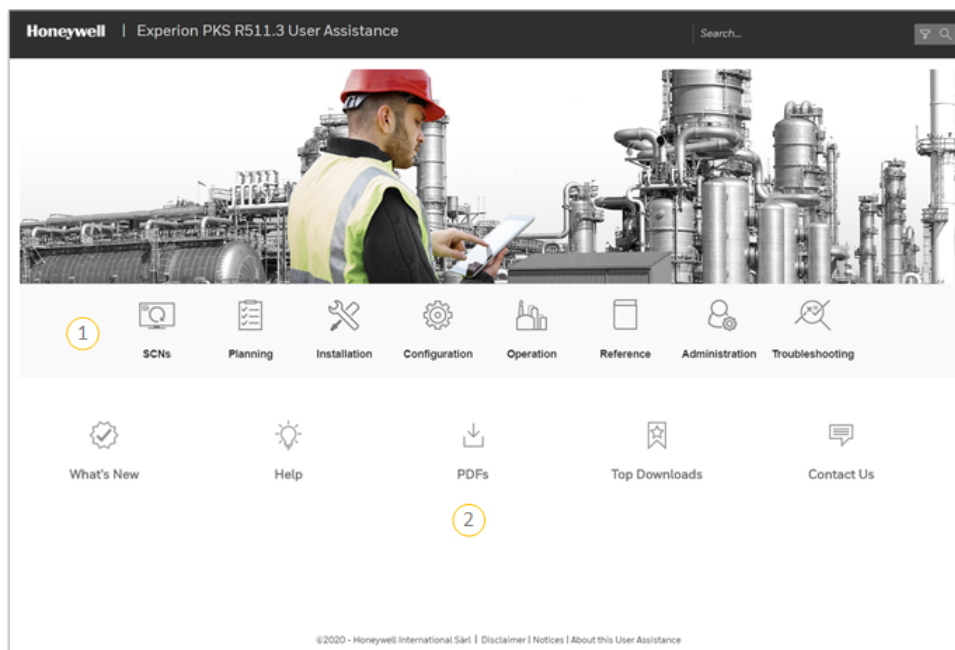
The User Assistance:

- Is automatically installed as part of the Installation Package, unlike the PDF collections that needs to be selected during installation. It can also be installed manually on non-Experion nodes.
- Opens in a default web browser with the file access protocol, instead of the HTTP protocol.
- Merges the contents of the System Documentation and SCN, Installation and Migration PDF collections into one centralized site.
- Lists the new features of the current release on the home page.
- Provides filtered searching to enable more targeted searching.
- Includes a set of sample videos that will be added to in future releases.
- Lists the 20 most popular guides as reported by a cross-section of customers.
- Can be integrated as a SafeView object in multi-window Station, enabling you to control its characteristics.
- Can be invoked in a dedicated browser window from within most of the Engineering tools.

The User Assistance can be viewed on any browser that supports HTML5.

### 3.1.1 Accessing the User Assistance

1. From the Start menu, navigate to **Honeywell Experion > Experion User Assistance**. The User Assistance appears.



Item	Description
1	<i>Navigation Pane:</i> Lists of documents organized by task category.
2	<i>Search Field:</i> Enter words or phrases and select the <b>Filter</b> icon to minimize your search results to one of the available task categories.  Click <b>Help</b> in the Navigation Pane for more tips on searching.
3	<i>What's new:</i> Lists new features for this release, and provides links to more information about each.
4	<i>Quick Links:</i> Easy access to PDF versions of the documents, sample Videos, the most often used guides, the Support page on Honeywell Process.com, and Contact methods for providing feedback or suggestions about this User Assistance.

**NOTE**

1. To view PDF files, Adobe Acrobat Reader must be installed on your computer.
2. If you are using Internet Explorer, right-click on a PDF link and choose **Copy Link Address**. Paste the link into a new tab in your browser, and press **Enter**.
3. If you are using a different browser, click the PDF link to display the document in a new tab.
4. PDFs cannot be displayed in the integrated User Assistance browser. Instead, from the **Start menu** of your computer, select **Honeywell Experion > Experion User Assistance** and then click **PDFs**.
5. If you encounter any errors regarding embedded fonts when using Adobe Acrobat or Adobe Acrobat Reader to open a PDF, [download a patch from here](#).

### 3.1.2 Contents of Experion R511.3 Documentation

The Experion R511.3 documentation contains the following.

- The HTML User Assistance, accessed either through the Start menu or the User Assistance browser, which is launched through Station.
- The PDFs, which are contained within the User Assistance or downloaded individually from HoneywellProcess.com.
- An MSI for the complete User Assistance package, which can be downloaded from HoneywellProcess.com.

The following table lists the Experion user documentation contained in the User Assistance.

Document name	Document ID
ABB TotalFlow Interface Reference	EPDOC-X340-en-511A
Allen-Bradley Drive Interface through ControlNet Reference	EPDOC-XXX2-en-511A
Allen-Bradley Interface Reference	EPDOC-XXX3-en-511A
Application Control Environment Rapid Restart Solution Guide	EPDOC-X405-en-511A
Application Control Environment Rapid Restart Upgrade Tool User's Guide	EPDOC-X404-en-511A
Application Control Environment User's Guide	EPDOC-XXX4-en-511A
Application Control Environment and SCE Off-Process Migration Guide	EPDOC-XXX1-en-511C
Application Development Guide	EPDOC-XXX5-en-511A
ASEA Interface Reference	EPDOC-XXX6-en-511A
Bristol Babcock Interface Reference	EPDOC-XXX8-en-511A
Bristol Babcock OpenBSI Interface Reference	EPDOC-XXX9-en-511A
C200/C200E Troubleshooting and Maintenance Guide	EPDOC-XX10-en-511A
C200 to UOC Upgrade Guide ( <i>New</i> )	EPDOC-X640-en-511B
C300 Controller User's Guide	EPDOC-XX11-en-511A



Document name	Document ID
CL Server User's Guide	EPDOC-XX12-en-511A
Collaboration Station Off-Process Migration Guide	EPDOC-X355-en-511A
Configuration Studio Overview Guide	EPDOC-X113-en-511A
Configuration Utility User's Guide	EPDOC-XX14-en-511A
Control Builder Components Reference	EPDOC-XX15-en-511B
Control Builder Components Theory	EPDOC-XX16-en-511A
Control Builder Error Codes Reference	EPDOC-XX17-en-511A
Control Builder Parameter Reference	EPDOC-XX18-en-511C
Control Building User's Guide	EPDOC-XX19-en-511C
Control Component Library Reference	EPDOC-X152-en-511A
ControlEdge PLC Interface Reference	EPDOC-X467-en-511A
ControlEdge RTU Interface Reference	EPDOC-X542-en-511A
ControlEdge 900 Hardware Planning and Installation Guide	HWDOC-X430-en-H
Control Firewall User's Guide	EPDOC-XX20-en-511A
Control Hardware Installation Guide	EPDOC-XX21-en-511A
Control Hardware Planning Guide	EPDOC-XX23-en-511A
Controller Hardware Notifications Theory	EPDOC-XX22-en-511A
Control Hardware and I/O Modules Firmware Upgrade Guide	EPDOC-X150-en-511A
Controller Interoperability Reference for Controller Migration	EPDOC-X240-en-511A
ControlNet Fiber Optic Implementation Guide	EPDOC-XX24-en-511A
ControlNet Installation Guide	EPDOC-XX25-en-511A
Custom Algorithm Block and Custom Data Block User's Guide	EPDOC-XX26-en-511A
DELL OPTIPLEX XE2 Planning Installation and Service Guide	HWDOC-X526-en-C
DeviceNet Interface Implementation Guide	EPDOC-XX27-en-511A
Diagnostic Studio User's Guide	ESDOC-XX28-en-2401A
Dictionary	EPDOC-XX29-en-511A
DNP3 Interface Reference	EPDOC-XX31-en-511A
EApp Off-Process Migration Guide	EPDOC-X176-en-511A
EAS Off-Process Migration Guide	EPDOC-X242-en-511A
Engineering Data Builder User's Guide	EPDOC-X417-en-511A
Enron Modbus Interface Reference	EPDOC-X233-en-511A
Enterprise Model Builder User's Guide	EPDOC-XX32-en-511A
eServer Off-Process Migration Guide	EPDOC-XX33-en-511A
Ethernet Interface Module Hardware and Common Platform User's Guide	EPDOC-X406-en-511A

Document name	Document ID
Ethernet Interface Module with IEC 61850 User's Guide	EPDOC-X462-en-511A
Ethernet IP User's Guide	EPDOC-X399-en-511C
ETN Quick Start Guide	EPDOC-X329-en-511A
Experion Cluster Communication for ACE Interface Reference	EPDOC-XX13-en-511A
Experion LCN Engineering Operations	EPDOC-X639-en-511A
Experion LCN Overview and Implementation Guide	EPDOC-X478-en-511A
Experion LCN Network Gateway Planning, Installation, and Service Guide <i>(New)</i>	HWDOC-X608-en-511A
Experion LCN Planning, Installation, and Service Guide	HWDOC-X479-en-B
Experion LCN Quick Start Guide	EPDOC-X480-en-511A
Experion Legacy I/O Link Module Parameter Reference Dictionary	EPDOC-X151-en-500
Experion Network Best Practices	WP-07-02-ENG
Experion Node Configuration Tool User's Guide	EPDOC-X427-en-511A
Experion Software installation and user guide reference	EPDOC-X136-en-511A
Experion On Process Migration Guide for Virtualized Environment	EPDOC-X328-en-511A
Experion R511.1 General Release Software Change Notice	EPDOC-X166-en-511A
Experion R511.2 Software Change Notice	EPDOC-X166-en-511B
Experion Support and Maintenance Software Change Notice	ESDOC-X183-en-242A
Experion Support and Maintenance Installation Guide	ESDOC-X165-en-250A
EXTIO 2 Remote Peripheral Solutions Installation Instructions	EP-DPCX24
Fault Tolerant Ethernet Bridge Implementation Guide	EPDOC-XX35-en-511A
Fault Tolerant Ethernet Installation and Service Guide	EPDOC-XX36-en-511A
Fault Tolerant Ethernet Overview and Implementation Guide	EPDOC-XX37-en-511A
Fault Tolerant Ethernet Status Server and Auxiliary Display User's Guide	EPDOC-XX38-en-511A
Fisher ROC Interface Reference	EPDOC-X341-en-511A
Firmware Manager User's Guide	EPDOC-X470-en-511A
FMC 722 on ACE Configuration Guide	EPDOC-X332-en-511A
FMC 722 on ACE Parameter Reference	EPDOC X333-en-511A
GE Fanuc Series 90 Interface Reference	EPDOC-XX39-en-511A
GEC GEM80 Interface Reference	EPDOC-XX40-en-511A
Getting Started with Experion Software Guide	EPDOC-X112-en-511A
Guidelines for Replacing Hiway Boxes with LCN-connected C300 Emulations	EPDOC-X268-en-511A
GUS Basic Script User's Guide	EPDOC-XX41-en-511A

Document name	Document ID
GUS Basic Scripting Language Reference	EPDOC-XX42-en-511A
GUS Display Authoring Tutorial	EPDOC-XX43-en-511A
GUS Display Builder User's Guide	EPDOC-XX44-en-511A
GUS Display Scripting User's Guide	EPDOC-XX45-en-511A
GUS Display Search Tool User's Guide	EPDOC-XX46-en-511A
GUS Display Translator User's Guide	EPDOC-XX47-en-511A
GUS Faceplate, Alarm, and Message Scripting User's Guide	EPDOC-XX48-en-511A
GUS Remote Display User's Guide	EPDOC-XX49-en-511A
Hardware and Point Build Reference	EPDOC-XX50-en-511A
HART I/O Implementation Guide	EPDOC-XX51-en-511A
HART Point Parameter Access User's Guide	EPDOC-X516-en-511A
HCI/Open Platform Communication Data Access User's Guide	EPDOC-XX52-en-511A
High Availability Seamless Redundancy User's Guide	EPDOC-X474-en-511A
Hitachi Interface Reference	EPDOC-XX53-en-511A
Hiway Slot Emulation Creator User Guide	EPDOC-X267-en-500
HMIWeb Display Building Guide	EPDOC-XX54-en-511A
HMIWeb Object Specification	EPDOC-X174-en-511A
HMIWeb Solution Pack Operator and Alarm Philosophy	EPDOC-X173-en-511A
HMIWeb Solution Pack Installation Guide	EPDOC-X171-en-511A
HMIWeb Solution Pack Migration Guide	EPDOC-X170-en-511A
HMIWeb Solution Pack Software Change Notice	EPDOC-X172-en-511A
Honeywell DPR Interface Reference	EPDOC-XX55-en-511A
Honeywell FSC Integration Reference	EPDOC-XX56-en-511A
Honeywell Icon Series Console Planning, Installation, Service Guide	EP-DCNXX4-511A
Honeywell Icon Series Console Read Me First	EP-DCNXX3
Honeywell LCS620 Interface Reference	EPDOC-XX57-en-511A
Honeywell Modbus TCP Firewall User's Guide	EPDOC-X162-en-511A
Honeywell Series 9000 Integration Reference	EPDOC-XX60-en-511A
Honeywell TDC 3000 Data Hiway Interface Reference	EPDOC-XX61-en-511A
Honeywell Turbine Control Solution Parameter Reference	EPDOC-XX62-en-511A
Honeywell UDC Integration Reference	EPDOC-XX63-en-511A
Honeywell Universal Modbus Interface Reference	EPDOC-XX64-en-511A
HP ProLiant DL360P Gen8 Honeywell Server Planning, Installation, and Service Guide	HWDOC-X330-en
HPE ProLiant DL360P Gen9 Honeywell Server Planning, Installation,	HWDOC-X528-en-A

Document name	Document ID
and Service Guide	
HPE ProLiant DL360P Gen9 Server Upgrade Kit Instruction	51195915-417-A
IEC 61850 Client Interface SCADA Configuration Guide	EPDOC-X412-en-511A
IEC 60870 SCADA Configuration Reference Guide	EPDOC-X358-en-511A
IEC 60870 SCADA Parameter Reference Guide	EPDOC-X376-en-511A
IEC 61850 SCADA Configuration Guide	EPDOC-X375-en-511A
Integrated Experion-TPS User's Guide	EPDOC-XX66-en-511C
Installation Builder User's Guide	ESDOC-XX65-en-250B
IO Network and Security Planning Guide	EPDOC-X586-en-511A
LCNP Status User Guide	EPDOC-XX67-en-511A
LLMUX2 TC and RTD FTAs User Guide	EPDOC-XX68-en-511A
MasterLogic Experion Integration User's Guide	EPDOC-X365-en-511A
MeterSuite Configuration Guide	MSDOC-X307-en-200A
MeterSuite User's Guide	MSDOC-X308-en-200A
MeterSuite Software Change Notice	MSDOC-X309-en-200A
Migration Planning Guide	EPDOC-XX70-en-511A
METTLER TOLEDO Integration Reference	EPDOCXX69-en-511A
ML200 CPU and SoftMaster User's Guide	EPDOC-X367-en-511A
ML200 Installation and Commissioning Guide	EPDOC-X366-en-511A
Modbus Interface Reference	EPDOC-XX71-en-511A
Moore Mycro Interface Reference	EPDOC-XX73-en-511A
Native Windows User's Guide	EPDOC-XX74-en-511A
Network and Security Planning Guide	EPDOC-XX75-en-511A
OEP IKB and Touch Screen Device Adapters Installation Instructions	EP-DPCXX3
Omni Interface Reference	EPDOC-XX77-en-511A
Open Platform Communication Client Interface Reference	EPDOC-XX78-en-511A
Open Platform Communication UA Client Interface Reference	EPDOC-X523-en-511A
Open Platform Communication Gateway for ACE Interface Reference	EPDOC-XX79-en-511A
Operator's Guide	EPDOC-XX80-en-511A
Operator Touch Panel Installation, Configuration, and Operation Guide	EPDOC-X356-en-511A
Operational Application Suite Configuration Guide	EPDOC-X264-en-511A
Operational Application Suite User's Guide	EPDOC-X265-en-511A
Orion Console Configuration Guide	EPDOC-X343-en-B
Orion Console Installation Guide	EPDOC-X313-en-B

Document name	Document ID
Orion Console Read Me First	EPDOC-X312-en-B
Parallel Operation Keyboard User's Guide	EPDOC-XX82-en-511A
Parallel Redundancy Protocol User's Guide	EPDOC-X410-en-511A
Parameter Definition Editor Reference	EPDOC-XX83-en-511A
Peer Control Data Interface Implementation Guide	EPDOC-XX84-en-511A
Personal Gas Safety Installation, Configuration, and Operations Guide	EPDOC-X524-en-511A
PM I/O Hardware Troubleshooting and Maintenance Guide	EPDOC-XX85-en-511A
PM Family Parameter Reference Dictionary ( <i>New</i> )	EPDOC-X645-en-511A
Procedure and Sequence Custom Display Building Guide	EPDOC-XX86-en-511A
Profibus Gateway Module Parameter Reference	EPDOC-XX87-en-511A
Profibus Gateway Module User's Guide	EPDOC-XX88-en-511A
Profibus Interface Implementation Guide	EPDOC-XX89-en-511A
PROFINET User's Guide	EPDOC-X567-en-511A
Profit Controller User's Guide	EPDOC-X463-en-511A
Project Engineering User's Guide	EPDOC-X471-en-511A
Qualification and Version Control User's Guide	EPDOC-XX90-en-511A
Quick Builder User's Guide	EPDOC-XX91-en-500
R320 Honeywell Server Planning Installation Service Guide	HWDOC-X238-en
R330XL Honeywell Server Planning Installation Service Guide	HWDOC-X452-en
R430 Honeywell Server Planning Installation Service Guide	HWDOC-X453-en
R500.x to R511.1 BCC Migration Guide	EPDOC-X521-en-511A
R5500 Honeywell Workstation Planning Installation and Service Guide	EP-DPCX25
R7610 Honeywell Workstation Planning Installation Service Guide	HWDOC-X273-en
R7910XL Honeywell Workstation Planning Installation Service Guide	HWDOC-X369-en
Rail I/O Series A Implementation Guide	EPDOC-X114-en-511A
Rail I/O Series H Implementation Guide	EPDOC-X115-en-511A
Redirection Manager Users Guide	EPDOC-X116-en-511A
Redundant Power Supply Installation Guide	EPDOC-X117-en-511A
Remote Fieldbus Interface Module Solution Guide	EPDOC-X331-en-511A
RPS Migration Guide for Extio2	EPDOC-X163-en-511A
Safety Manager Integration Guide	EPDOC-X119-en-511A
SafeView User's Guide	EPDOC-X120-en-511A
Search Utility User's Guide	EPDOC-X121-en-511A
Sequential Control User's Guide	EPDOC-X122-en-511D

Document name	Document ID
Serial Interface Module Implementation Guide	EPDOC-X123-en-511A
Series A Fieldbus Interface Module User's Guide	EPDOC-X124-en-511A
Series C Fieldbus Interface Module User's Guide	EPDOC-X125-en-511A
Series C I/O User's Guide	EPDOC-X126-en-511B
Series C Mark II Control Hardware Planning Guide ( <i>New</i> )	EPDOC-X426-en-511A
Server and Client Configuration Guide	EPDOC-X127-en-511A
Server and Client Overview and Planning Guide	EPDOC-X128-en-511A
Server Scripting Reference	EPDOC-X129-en-511A
Siemens S7 Interface Reference	EPDOC-X130-en-511A
SIM-ACE User's Guide	EPDOC-X131-en-511A
SIM-C300 User's Guide	EPDOC-X133-en-511D
SIM-C200E Implementation Guide	EPDOC-X132-en-511A
SIM-FFD User Guide	EPDOC-X134-en-511A
Site Planning Guide	EPDOC-X135-en-511A
Software Installation User's Guide	EPDOC-X136-en-511A
Spirit IT Flow-X Interface Reference	EPDOC-X297-en-511A
Startup and Shutdown Guide	EPDOC-X137-en-511A
Supplementary Installation Tasks Guide	EPDOC-X138-en-511A
Switch Configuration Tool User's Guide	EPDOC-X246-en-511A
System Administration Guide	EPDOC-X139-en-511A
System Initialization Media Software Change Notice (SCN)	EPDOC-X185-en-211A
System Management Configuration Guide	EPDOC-X141-en-511A
System Management Operations Guide	EPDOC-X142-en-511A
T130 Honeywell Server Planning Installation Service Guide	HWDOC-X450-en
T320 Honeywell Server Planning Installation Service Guide	HWDOC-X239-en
T330 Honeywell Server Planning Installation Service Guide	HWDOC-X451-en
T610 Honeywell Server Planning Installation Service Guide	EP-DPCX15-en-F
T3600XL Honeywell Workstation Planning Installation Service Guide	HWDOC-X230-en
T5810XL Honeywell Workstation Planning Installation Service Guide	HWDOC-X398-en
TPN Server User's Guide	EPDOC-X143-en-511A
TPS File Transfer Installation and User's Guide	EPDOC-X144-en-511A
Troubleshooting Guide	EPDOC-X243-en-511A
Turbine Control User's Guide	EPDOC-X145-en-511A
UOC User's Guide	EPDOC-X512-en-511A

Document name	Document ID
Upgrade Tool Components Media Software Change Notice (SCN)	EPDOC-X153-en-511A
Upgrade Tool User's Guide	EPDOC-X146-en-511A
Virtualization Planning and Implementation Guide	EPDOC-X147-en-511A
Virtualization with Premium Platform Guide	EPDOC-X241-en
Windows Domain and Workgroup Implementation Guide	EPDOC-X148-en-511A
Windows Domain and Workgroup Planning Guide	EPDOC-X250-en
Windows Domain Implementation Guide for Windows Server 2008 R2	EPDOC-X251-en
Windows Domain Implementation Guide for Windows Server 2012	EPDOC-X263-en
Windows Domain Implementation Guide for Windows Server 2016	EPDOC-X472-en-B
Wyse Z90 Thin Client Planning Installation Service Guide	HWDOC-X280-en
Yamatake MA500 Interface Reference	EPDOC-X149-en-511A
Z440 Honeywell Planning Installation and Service Guide	HWDOC-X368-en
Z620 Honeywell Planning Installation and Service Guide	HWDOC-X223-en

## 3.2 Applicable nodes

This point release is applicable for the following nodes:

Sl.No.	Node	Experion 511.3 Applicable?
1	Application Server (EAS)	Yes
2	Application Control Environment (ACE)	Yes
3	Application Control Environment TPN Connected (ACET)	Yes
4	Console Station (ES-C)	Yes
5	Console Station TPN Connected (EST)	Yes
6	Console Extension Station (ES-CE)	Yes
7	Experion Server (ESV)	Yes
8	eServer	Yes
9	Experion Server TPN Connected (ESVT)	Yes
10	Experion HiWay Gateway (EHG)	Yes
11	Experion Application node. (E-APP)	Yes
12	Flex Station (ES-F)	Yes

Sl.No.	Node	Experion 511.3 Applicable?
13	Simulation Control Environment (SCE)	Yes
14	PHD Point Server	Yes
15	Collaboration Station	Yes
16	ELCN History Module (HM)	Yes

### 3.3 Applicable modules

This point release is applicable for the following modules.

Sl.No.	Module	Experion511.3 Applicable?
1	Enhanced High-Performance Process Manager (EHPM)	Yes
2	C200CPM	No
3	C200E controller	Yes
4	C300 controller	Yes
5	Ethernet Interface Module (EIM)	Yes
6	Fieldbus Interface Module (FIM)	Yes
7	Fieldbus Interface Module (FIM) 4	Yes
8	Fieldbus Interface Module (FIM) 8	Yes
9	Fault Tolerant Ethernet Bridge Module (FTEB)	Yes
10	Experion Hiway Bridge (EHB)	No
11	I/O Link Interface Module (IOLIM)	No
12	I/O Module	Yes
13	PROFIBUS Gateway Module (PGM) 2	Yes
14	Redundancy Module (RM)	No
15	CF9	No
16	ENIM	Yes
17	ELCN Bridge	Yes
18	Universal Embedded Appliance (UEA)	Yes



Sl.No.	Module	Experion511.3 Applicable?
19	Universal Virtual Appliance (UVA)	Yes
20	Unit Operations Controller (UOC)	Yes
21	Virtual Unit Operations Controller (vUOC)	Yes

## 3.4 Supported migration and upgrade paths

The following migration paths are supported.

### 3.4.1 Supported controller migration paths

The following controller migration paths are supported:

Item No.	Controller path
1	Experion R410.1 (410.1.85.0)
2	Experion R410.1 CPCR1
3	Experion R410.1 CPCR2
4	Experion R410.1 CPCR3
5	Experion R410.1 CPCR4
6	Experion R410 Controller Patch 3 (410.1.85.106)
7	Experion R410 Controller Patch 4 (410.1.85.112)
8	Experion R410.2 (410.1.85.209) / (410.1.85.210)
9	Experion R410.2 CPCR1
10	Experion R410.2 CPCR2
11	Experion R410.2 CPCR3
12	Experion R410.2 CPCR4
13	Experion R410.3 (410.1.85.221)
14	Experion R410.3 CPCR1
15	Experion R410.3 CPCR2
16	Experion R410.3 CPCR3
17	Experion R410.4 (410.1.85.230)
18	Experion R410.4 CPCR1
19	Experion R410.4 CPCR2

Item No.	Controller path
20	Experion R410.4 CPCR3
21	Experion R410.4 CPCR4
22	Experion R410.5 (410.1.85.250)
23	Experion R410.5 CPCR1
24	Experion R410.5 CPCR2
25	Experion R410.5 CPCR3
26	Experion R410.6 (410.1.85.270)
27	Experion R410.6 CPCR1
28	Experion R410.6 CPCR2
29	Experion R410.6 CPCR3
30	Experion R410.6 CPCR4
31	Experion R410.7 (410.1.85.315)
32	Experion R410.7 CPCR1
33	Experion R410.7 CPCR2
34	Experion R410.7 CPCR3
35	Experion R410.8 (410.1.85.390)
36	Experion R410.8 Tools and Controller Hotfix1
37	Experion R410.8 Tools and Controller Hotfix2
38	Experion R410.8 Tools and Controller Hotfix3
39	Experion R410.8 Tools and Controller Hotfix4
40	Experion R410.8 Tools and Controller Hotfix5
41	Experion R410.8 Tools and Controller Hotfix6
42	Experion R410.8 Tools and Controller Hotfix7
43	Experion R410.8 Tools and Controller Hotfix8
44	Experion R410.8 Tools and Controller Hotfix9
45	Experion R410.8 Tools and Controller Hotfix10
46	Experion R410.9 (410.1.85.432)
47	Experion R410.9 Tools and Controller Hotfix1
48	Experion R410.9 Tools and Controller Hotfix2

Item No.	Controller path
49	Experion R410.9 Tools and Controller Hotfix3
50	Experion R410.9 Tools and Controller Hotfix4
51	Experion R410.9 Tools and Controller Hotfix5
52	Experion R410.9 Tools and Controller Hotfix6
53	Experion R410.9 Tools and Controller Hotfix7
54	Experion R410.9 Tools and Controller Hotfix8
55	Experion R410.9 Tools and Controller Hotfix9
56	Experion R410.9 Tools and Controller Hotfix10
57	Experion R410.9 Tools and Controller Hotfix11
58	Experion R410.9 Tools and Controller Hotfix12
59	Experion R430.1 (430.1.96.0)
60	Experion R430.1 CPCR1
61	Experion R430.2 (430.1.96.100)
62	Experion R430.2 CPCR1
63	Experion R430.2 CPCR2
64	Experion R430.3 (430.1.96.121)
65	Experion R430.3 CPCR1
66	Experion R430.3 CPCR2
67	Experion R430.4 (430.1.96.154)
68	Experion R430.4 Tools and Controller Hotfix1
69	Experion R430.4 Tools and Controller Hotfix2
70	Experion R430.4 Tools and Controller Hotfix3
71	Experion R430.4 Tools and Controller Hotfix4
72	Experion R430.4 Tools and Controller Hotfix5
73	Experion R430.5 (430.1.96.183)
74	Experion R430.5 Tools and Controller Hotfix1
75	Experion R430.5 Tools and Controller Hotfix2
76	Experion R430.5 Tools and Controller Hotfix3
77	Experion R430.6

Item No.	Controller path
78	Experion R430.6 Tools and Controller Hotfix1
79	Experion R430.6 Tools and Controller Hotfix2
80	Experion R430.6 Tools and Controller Hotfix3
81	Experion R430.6 Tools and Controller Hotfix4
82	Experion R431.1 (431.1.49.0)
83	Experion R431.1 Tools and Controller Hotfix1
84	Experion R431.2 (431.1.49.104)
85	Experion R431.2 Tools and Controller Hotfix1
86	Experion R431.2 Tools and Controller Hotfix2
87	Experion R431.2 Tools and Controller Hotfix3
88	Experion R431.2 Tools and Controller Hotfix4
89	Experion R431.3 (431.1.96.132)
90	Experion R431.3 Tools and Controller Hotfix1
91	Experion R431.3 Tools and Controller Hotfix2
92	Experion R431.3 Tools and Controller Hotfix3
93	Experion R431.3 Tools and Controller Hotfix4
94	Experion R431.3 Tools and Controller Hotfix5
95	Experion R431.3 Tools and Controller Hotfix6
96	Experion R431.4
97	Experion R431.4 Tools and Controller Hotfix1
98	Experion R431.4 Tools and Controller Hotfix2
99	Experion R431.4 Tools and Controller Hotfix3
100	Experion R431.4 Tools and Controller Hotfix4
101	Experion R431.4 Tools and Controller Hotfix5
102	Experion R431.4 Tools and Controller Hotfix6
103	Experion R431.5
104	Experion R431.5 Tools and Controller Hotfix1
105	Experion R431.5 Tools and Controller Hotfix2
106	Experion R431.5 Tools and Controller Hotfix3

Item No.	Controller path
107	Experion R432.1
108	ExperionPKS_R432.1_C200-C300_FTEB-SeriesA_QVCS_Patch
109	Experion R432.1 Tools and Controller Hotfix1
110	Experion R432.1 Tools and Controller Hotfix2
111	Experion R432.1 Tools and Controller Hotfix3
112	Experion R432.1 Tools and Controller Hotfix4
113	Experion R432.1 Tools and Controller Hotfix5
114	Experion R432.1 Tools and Controller Hotfix6
115	Experion R432.2
116	Experion R432.2 EHB Tools and Controller Hotfix 1
117	Experion R432.2 Tools and Controller Hotfix1
118	Experion R432.2 Tools and Controller Hotfix2
119	Experion R432.2 Tools and Controller Hotfix3
120	Experion R432.2 Tools and Controller Hotfix4
121	Experion R432.2 Tools and Controller Hotfix5
122	Experion R432.2 Tools and Controller Hotfix6
123	Experion R432.2 Tools and Controller Hotfix7
124	Experion R432.2 Tools and Controller Hotfix8
125	Experion R500.1
126	Experion R500.1 Tools and Controller Hotfix1
127	Experion R500.1 Tools and Controller Hotfix2
128	Experion R500.1 Tools and Controller Hotfix3
129	Experion R500.1 Tools and Controller Hotfix4
130	Experion R500.2
131	Experion R500.2 Tools and Controller Hotfix1
132	Experion R500.2 Tools and Controller Hotfix2
133	Experion R500.2 Tools and Controller Hotfix3
134	Experion R500.2 Tools and Controller Hotfix4
135	Experion R500.2 Tools and Controller Hotfix5

Item No.	Controller path
136	Experion R500.2 Tools and Controller Hotfix6
137	Experion R500.2 Tools and Controller Hotfix7
138	Experion R500.2 Tools and Controller Hotfix8
139	Experion R500.2 Tools and Controller Hotfix9
140	Experion R500.2 Tools and Controller Hotfix10
141	Experion R500.2 Tools and Controller Hotfix11
142	Experion R501.1
143	Experion R501.1 Tools and Controller Hotfix1
144	Experion R501.1 Tools and Controller Hotfix2
145	Experion R501.2
145	Experion R501.2 Tools and Controller Hotfix1
146	Experion R501.2 Tools and Controller Hotfix2
147	Experion R501.2 Tools and Controller Hotfix3
148	Experion R501.2 Tools and Controller Hotfix4
149	Experion R501.2 Tools and Controller Hotfix5
150	Experion R501.2 Tools and Controller Hotfix6
151	Experion R501.2 Tools and Controller Hotfix7
152	Experion R501.4
153	Experion R501.4 Tools and Controller Hotfix1
154	Experion R501.4 Tools and Controller Hotfix2
155	Experion R501.4 Tools and Controller Hotfix3
156	Experion R501.4 Tools and Controller Hotfix4
157	Experion R501.6
158	Experion R501.6 Tools and Controller Hotfix1
159	Experion R510.1
160	Experion R510.1 BI Special Tools and Controller Hotfix2
161	Experion R510.1 Tools and Controller Hotfix1
162	Experion R510.1 Tools and Controller Hotfix2
163	Experion R510.1 Tools and Controller Hotfix3

Item No.	Controller path
164	Experion R510.1 Tools and Controller Hotfix4
165	Experion R510.2
166	Experion R510.2 Tools and Controller Hotfix1
167	Experion R510.2 Tools and Controller Hotfix2
168	Experion R510.2 Tools and Controller Hotfix3
169	Experion R510.2 Tools and Controller Hotfix4
170	Experion R510.2 Tools and Controller Hotfix5
171	Experion R510.2 Tools and Controller Hotfix6
172	Experion R510.2 Tools and Controller Hotfix7
173	Experion R511.1
174	Experion R511.2
175	Experion R511.2 Tools and Controller Hotfix1

## 3.4.2 Supported migration and upgrade paths

### 1. Supported server migration paths

The following server migration paths are supported.

Item No.	Direct migration of server and clients supported to 511.3 without installing R511.1
1	Experion R410.1
2	Experion R410.2
3	Experion R410.3
4	Experion R410.4
5	Experion R410.5
6	Experion R410.6
7	Experion R410.7
8	Experion R410.8
9	Experion R410.9
10	Experion R430.1
11	Experion R430.2

Item No.	Direct migration of server and clients supported to 511.3 without installing R511.1
12	Experion R430.3
13	Experion R430.4
14	Experion R430.5
15	Experion R430.6
16	Experion R431.1
17	Experion R431.2
18	Experion R431.3
19	Experion R431.4
20	Experion R431.5
21	Experion R432.1
22	Experion R432.2
23	Experion R500.1
24	Experion R500.2
25	Experion R501.1
26	Experion R501.2
27	Experion R501.4
28	Experion R501.6
29	Experion R510.1
30	Experion R510.2

## 2. Supported server upgrade paths

Supported server upgrade path is:

- R511.1 to R511.3
- R511.2 to R511.3
- R511.1 HFs to R511.3
- R511.2 HFs to R511.3

### NOTE

Upgrade path to R511.3 is only supported from "R511.x" or "R511.x + HF" as per the list in *Section 3.4.1 Supported controller migration paths*.



## GETTING STARTED

## 4.1 About Experion installation and migration documents

The Read Me First-Experion is provided in printed form with the Experion R511.3 media. All the other documents, such as, the Software Change Notices, Software Installation User's Guide are available in various formats such as PDF, Videos and Quick links in the Experion R511.3 User Assistance. For migrations from ExperionR41x.x to R511.3, see the Upgrade Tool Components Media Software Change Notice.

The following table lists the documents to be used during the installation or migration. These documents must be read and followed to install or migrate an Experion system.

Name of the document	Document usage
Experion R511.3 Software Change Notice	Before installing or upgrading to Experion R511.3.
Getting Started with Experion Software Guide	To get an overview of the Experion system, and the overall installation or migration task flow.
Software Installation User's Guide	To perform a clean installation of Experion R511.3.
Migration guides	Site-specific migration guides: The Upgrade Tool uses the migration guides available on the Experion Upgrade Tool Components media and depending on the site configuration, generates the site-specific migration guides. The site-specific migration guides contain complete information about the migration instructions for a component or node with a particular configuration. The site-specific migration guides are specifically for the R3xx from to R511.3 migration path.
Supplementary Installation Tasks Guide	To complete additional tasks once you have completed installation or upgrade of Experion.
Integrated Experion-TPS User's Guide	If you have TotalPlant Solution (TPS) nodes in your system, use this document to perform additional mandatory tasks after the Experion installation is complete.
System Initialization Media Software Change Notice (SCN)	The SCN provides the latest information about the Experion System Initialization media and the platforms supported through that Initialization media.

Name of the document	Document usage
Windows Domain and Workgroup Planning Guide	<p>The document provides the planning information for the Windows domain and workgroups.</p> <p>For R511.3, the Experion domain controller user documentation is aligned with the qualification of domain controller operating systems. For more information about instructions to install and configure a domain controller for Experion, see the following documents.</p> <ul style="list-style-type: none"> <li>• Windows Domain Implementation Guide for Windows Server 2008 R2</li> <li>• Windows Domain Implementation Guide for Windows Server 2012</li> <li>• Windows Domain Implementation Guide for Windows Server 2012 R2</li> <li>• Windows Domain Implementation Guide for Windows Server 2016</li> </ul>

## 4.2 Upgrade checklist

1. [Prerequisites](#)
2. [Applicable nodes](#)
3. [Downloading the point release media](#)
4. [Upgrade to this point release](#)
5. Review the Experion Update Matrix and determine if any of the patches that are available for this point release are applicable to your system. If they are then download and install them. Download Experion Update Matrix at <http://www.honeywellprocess.com/library/support/software-downloads/Experion/experion-update-matrix.zip>

## 4.3 Prerequisites

- This point release can be installed on a node with either of the following Experion system installed:
  - Experion R511.1
  - Experion R511.2
- Ensure that you take a backup of the system image (through Experion Backup and Restore) before installing this point release on any node.
- Before installing this point release on ES-T and ES-CE (which is a Remote GUS Client) node types, ensure that the IKB Service package is installed on the node. (Installation of IKB Service is MANDATORY irrespective of whether physical IKB is used or not).  
The IKB Service can be installed from the Experion Application dual layer DVD, IKB OEP package.
- Perform the upgrade readiness checks using the Upgrade Tool (UT) and/or Migration Readiness Tool (MRT) before performing Server and Controller Migration and/or Upgradation.
- For more information about UT/MRT, refer to the *Experion Migration Planning Guide* and *Upgrade Tool Users Guide*.
- This point release affects multiple subsystems and some other products that integrate with Experion.
- If the last patch/HotFix installed on your system is a customer-specific patch / HotFix, please refer that customer-specific patch/HotFix SCN to re-check for any migration restrictions after applying that customer-specific patch/Hotfix. All customer-specific patch and HotFix will be marked as "No" for Cumulative distribution under patch limitation section of their respective SCN. If you are not able to assess your situation, you can reach out to Experion Migration CoE at [LSS.Migration.COE@honeywell.com](mailto:LSS.Migration.COE@honeywell.com).

To verify the product version, perform the following steps:

1. Using Notepad, open the **ProductVersion.txt** file located in the following path.  
<%User selected path%>\Honeywell\Experion PKS (for example, C:\Program Files(x86)\Honeywell\Experion PKS)
2. Verify the **ProductVersion.txt**. If any of the following lines are present, the node has the appropriate product version to install this point release.
  - +Experion R511.1 Support Media Install completed on MM/DD/ YYYY HH:MM:SS AM/PM
  - +Experion R511.2 Support Media Install completed on MM/DD/ YYYY HH:MM:SS AM/PM

## 4.4 Downloading the point release media

Perform the following steps before installing this point release.

1. Copy the below files to a temporary folder on the local hard disk or on the target machine (which will be upgraded):
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z01
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z02
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z03
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z04
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z05
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z06
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z07
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z08
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z09
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.zip
2. Extract the zip files.

### NOTE

Make sure that **WinZip** or equivalent is installed on your system, before extracting the files.

3. Copy the extracted files to a temporary folder on the local hard disk or on the target machine (which will be upgraded).

### ATTENTION

The character count for the path containing the contents of the zip file must not exceed 14 characters.

For example, when you copy the files to C:\temp\update, the character count is 14.

### NOTE

If you have installed the Whitelisting application, ensure that you follow the procedure mentioned in the *Whitelisting Implementation Guide* prior to the patch installation.

4. Perform the following to download and deploy the virtual firmware.

**ATTENTION**

You must access the Honeywell Process Solutions website from a secured computer, rather than from a node within the Experion system.

To download and deploy virtual firmware

- a. You can download and deploy the virtual firmware available at this [link](#).
- b. Select **Click Here to Login** in the top-right corner of the page.
- c. If you are a new user, register at this website. Click **Register**, and follow the on-screen instructions.
- d. If you are already registered, type your Account Login user name and password, and click **Login**.  
Your account name appears in the top-right of the page.
- e. In the Save as dialog box, in the Folder pane, choose a folder, and then the location in that selected folder where you want to save the file.
- f. Click Save.

For details on deploying the virtual firmware on a vUOC node, refer the section 'vUOC Deployment' in the *UOC User's Guide*.

For details on deploying the virtual firmware on a ELCN Virtual Appliance node, refer the following sections in the *Experion LCN Overview and Implementation Guide*.

- Installing ELCN Universal Virtual Appliance using OVA Template.
- Deploying the OVF Template Manually.

## 4.5 What task do you want to accomplish

This section describes the tasks you need to perform depending upon your requirement.

- [Clean installation of R511.3](#)
- [Upgrade from R511.1/R511.2 to R511.3](#)
- [Migrate from R41x.x/R43x.x/R5xx.x releases to R511.3](#)

## 4.6 Upgrade to this point release

**NOTE**

Before upgrading/migrating to this point release, register with the Migration COE by raising a new Service Request at least 4-6 weeks before performing the upgrade/migration procedure. You can raise a Service Request either by contacting your local Honeywell Process Solutions Customer Contact Center (CCC) or visiting [www.honeywellprocess.com](http://www.honeywellprocess.com) or contact Migration COE at [LSS.Migration.coe@honeywell.com](mailto:LSS.Migration.coe@honeywell.com).

1. Create the Experion Support Software media by downloading the latest point release media content from [www.honeywellprocess.com](http://www.honeywellprocess.com) website
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z01
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z02
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z03
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z04
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z05
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z06
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z07
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z08
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z09
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.zip
2. Refer [Downloading the point release media](#) section for extracting zip files and copying it to a temporary folder on the local hard disk or on the target machine (which will be upgraded).
3. **Prerequisites:**
  - a. Experion R511.1 must be installed on the system.
  - b. Experion R511.2 must be installed on the system.
  - c. Verify the present version.  
 If the following line is present, the node has the appropriate product version to upgrade to this point release.  
**+Experion R511.1 Support Media Install completed on MM/DD/ YYYY HH:MM:SS AM/PM**  
**+Experion R511.2 Support Media Install completed on MM/DD/ YYYY HH:MM:SS AM/PM**
4. Start upgrade. Refer to section [Installation of the point release](#).

## 4.6.1 Clean installation of R511.3

1. Create the Experion Support Software media by downloading the latest point release media content from [www.honeywellprocess.com](http://www.honeywellprocess.com) website
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z01
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z02
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z03
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z04
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z05
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z06
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z07
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z08
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z09
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.zip
2. Refer [Downloading the point release media](#) for extracting zip files and copying it to a temporary folder on the local hard disk or on the target machine (which will be upgraded).
3. Start installation. Refer to the *Experion Software Installation User's Guide* for assistance in installation.

## 4.6.2 Migrate from previous releases to 511.3

### NOTE

Before upgrading/migrating to this point release, register with the Migration COE by raising a new Service Request at least 4-6 weeks before performing the upgrade/migration procedure. You can raise a Service Request either by contacting your local Honeywell Process Solutions Customer Contact Center (CCC) or visiting [www.honeywellprocess.com](http://www.honeywellprocess.com) or contact Migration COE at [LSS.Migration.COE@honeywell.com](mailto:LSS.Migration.COE@honeywell.com).

For example, you can migrate from Experion R510.1 to Experion 511.3. You need not migrate to R511.1 first and then upgrade to 511.3. For more details, refer to the *Experion Migration Planning Guide*.

### To migrate to R511.3 from previous releases

1. Create the Experion **Support Software media** by downloading the latest point release media content from [www.honeywellprocess.com](http://www.honeywellprocess.com) website
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z01
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z02
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z03
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z04
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z05
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z06
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z07
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z08
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.z09
  - CM\_EXP511.3-16.0\_Experion\_Updates\_DVD\_R511.3\_51156630.zip
2. Refer [Downloading the point release media](#) for extracting zip files and copying it to a temporary folder on the local hard disk or on the target machine (which will be upgraded).
3. **Prerequisites:**
  - a. Take a backup of the system image using Experion Backup and Restore before installing this point release on any node.
  - b. Enable Windows firewall.
  - c. On ES-T and ES-CE nodes (a Remote GUS Client), install the IKB Service package on the node.

(Installation of IKB Service is MANDATORY irrespective of whether physical IKB is used)

The IKB Service can be installed from the Experion Application dual layer DVD, IKB OEP package.

IKB service installer is present in Experion Installation Media 1 > Packages > honeywell\_ikb\_service.msi
4. Verify the present version.
  - a. Using Notepad, open the **ProductVersion.txt** file located in the following path.  
**<%User selected path%>\Honeywell\Experion PKS**  
  
For example, C:\Program Files(X86)\Honeywell\Experion PKS
  - b. In the **ProductVersion.txt**, verify if one of the following lines is present. These lines indicate that the node has the appropriate product version to migrate to this point release.

- ++Experion PKS R410.x Install completed on MM/DD/ YYYY HH:MM:SS AM/PM
- ++Experion PKS R430.x Install completed on MM/DD/ YYYY HH:MM:SS AM/PM
- ++Experion PKS R43X.x Install completed on MM/DD/ YYYY HH:MM:SS AM/PM
- ++Experion PKS R500.x Install completed on MM/DD/ YYYY HH:MM:SS AM/PM
- ++Experion PKS R501.x Install completed on MM/DD/ YYYY HH:MM:SS AM/PM
- ++Experion PKS R510.x Install completed on MM/DD/ YYYY HH:MM:SS AM/PM

Here, “x” indicates the subsequent migration path as mentioned in the section “Supported server migration paths”.

5. Start migration. Refer *Experion Migration Planning Guide* for assistance in migration.

### Server client migration

The different server client migration and installation scenarios supported for Experion R511.1 are described in the *Experion Migration Planning Guide*. The document also describes the Microsoft Windows operating systems supported for different Experion node types and the behavior of the Install Sequencer when it is run on the system. Some migration scenarios may require a hardware upgrade.

### Controller migration

#### ATTENTION

Controller migration is optional, it is only required when a controller-related error needs to be fixed. Refer to the list of [Tools and Controller resolved PARs](#) in this SCN. Server/client-related fixes are decoupled from the controller-related fixes.

The migration of controllers and control hardware can be performed in a number of ways, depending upon the system topology and the compliment of the installed I/O. Typical scenarios are described in the *Experion Migration Planning Guide*. Note that controller migration is performed, after server/client migration is completed.

## 4.7 Installation of the point release

This point release must be installed on Experion nodes in the following order. Refer to the respective installation sections in the document.

Sl.No.	Experion nodes	Refer to the section...
1	Server B	<a href="#">Installing the point release on Server B</a>
2	Non-redundant server	<a href="#">Installing the point release on a non-redundant server node</a>
3	Flex station	<a href="#">Installing the point release on Experion Application Server/ Console/Flex/Console Extension station/eServer/Premium Access clients</a>
4	Console station	<a href="#">Installing the point release on Experion Application Server/ Console/Flex/Console Extension station/eServer/Premium Access clients</a>
5	Server A	<a href="#">Installing the point release on Server A</a>

Sl.No.	Experion nodes	Refer to the section...
6	ACE/SCE/EHG	<a href="#">Installing the point release on ACE/ SCE/ EHG</a>
7	E-APP/Experion Application Server/eServer	<a href="#">Installing the point release on Experion Application Server/ Console/Flex/Console Extension station/eServer/Premium Access clients</a>

**NOTE**

If you are using Experion Support and Maintenance (ESM) to install the point release on the Experion cluster, add the point release to the ESM Server. For more information, refer to the *Installation Builder User's Guide*.

**ATTENTION**

Relative to the database size and components to be installed, installation of this point release may take few hours to complete.

## 4.7.1 Installing the point release on a non-redundant server node

**NOTE**

You must execute the ERDB Consistency Checker (ECC) tool before any upgrade activity to identify any potential database related issue which may cause a migration failure in future.

- [Pre-installation steps](#)
- [Stopping the services](#)
- [Installing the point release](#)
- [Validating the point release installation](#)
- [Post-installation tasks](#)

### Pre-installation steps

1. Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.

**ATTENTION**

Ensure that you log on with the required privileges.

2. **For systems with licensed QVCS only:** Open the QVCS Manager application and complete the required Qualification and Version Control System (QVCS) operations (for example: Check in, Check out, revert, and so on). Close the QVCS Manager application manually.



3. Perform the following Checkpoint tasks.
  - a. Disable all the Checkpoint tasks; click **Stop** for all the scheduled Checkpoint tasks.

**ATTENTION**

Checkpoint tasks that are currently executing must be completed. Ensure that all the automatic or manual **Checkpoint Save** tasks are complete.

- b. Ensure that the Checkpoint share has replicated correctly to all the Console stations.
  - c. To verify the replication of the Checkpoint shares, check the **Event Summary Display** page on the Station after the manual/auto **Checkpoint Saves** are completed for all controllers. If the **Event Summary Display** page does not display any replication failure event, the replication is successful.
4. Disable all virus scan/protection/backup applications or services. If the DVM Logger service is present, it must be disabled.

**ATTENTION**

You must enable the services after completing the procedure.

5. Close all the running applications.

## Stopping the services

Before installing the point release, you must stop the SNMP services. If PMD is installed, use PDS Server tool from **Start > All Programs > PMD > Start Or Stop PDS Server** and stop the PMD services.

Perform the following steps to stop all services manually.

1. Choose **Start > Honeywell Experion Tools**.
2. Right-click **Experion PKS Services Control Panel** and then select **More > Run as Administrator**.
3. Click the **Stop all Services** and click **OK**.

**ATTENTION**

Installing the point release on a non-redundant server leads to a loss of view.

If **AEA Event Collection** service is in the running state, perform following steps to stop the service.

1. Click **Start > Run**, type *Services.msc* and press **Enter**.
2. Right-click **AEA Event Collection** and click **Stop** to stop the service.

## Installing the point release

1. If you are using Experion Support and Maintenance (ESM) to install the point release, install the point release from the ESM client. For more information, refer *Installation Builder User's guide*. If you are not using ESM to install the point release, go to step 2.

2. Browse to the folder containing the installer **Experion 511.3 > supportsoftware.exe**. If the installation is from the network, then map the location where the installer folder is located to the network drive.

**ATTENTION**

- a. In the command prompt, as an Administrator, type the following command.  
**net use <drive>: \\computername\share\<folder>** (for example, **net use Z: "\\192.168.10.3\temp\Experion 511.3"**).
- b. Ensure that the path mapped (for example, \\192.168.10.3\temp\<point release>) has both 'Read' and 'Write' permissions.
- c. Type the user name and password (must be in quotes if there is a blank).
- d. In the same command prompt window, change to the above mapped drive and run **supportsoftware.exe**.

3. Right-click **supportsoftware.exe** and then click **Run as Administrator**. If the **User Account Control** dialog box is displayed, click **Yes** to continue.

The **Welcome to Experion Update Manager** dialog box appears.

4. Click **Next** and enter the Password in the Login Credentials panel to perform the auto log on after restart. Ensure that you have resolved all ERDB inconsistencies by selecting the **ECC** check box.
5. Enter the **Experion Account passwords** to continue.
6. Enter and confirm the **Security Password** to continue.

**NOTE** The **Security Password** is used to encrypt the user inputs captured during a particular instance of installation/upgrade. The security password need not be the same for every installation/upgrade.

7. Click **Next** to start the installation.

**ATTENTION**

- If the installation is being performed from the network, acknowledge the User Account Control prompt after each system restart.
- You may see the following error message related to service which causes the installation to abort. Stop the service manually after acknowledging the message and restart the installation.  
*Failed to stop <service name>. Installation will be aborted now.*
- If the installation is being performed from the network, and the automatic network mapping does not occur, then, the user has to map it manually and re-run the **supportsoftware.exe**.

8. Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.

## Validating the point release installation

1. Using Notepad, open the **ProductVersion.txt** file located in the following path.

C:\Program Files(X86)\Honeywell\Experion PKS OR <User selected path>\Honeywell\Experion PKS.

2. Verify the **ProductVersion.txt** for the following:

**++Experion PKS R511.3 Install completed on MM/DD/YYYY HH:MM:SS AM/PM**

If the above line is present, it indicates that the installation is successful.

#### NOTE

After this point release is installed, an entry is made in the registry to indicate that the system is upgraded to Experion 511.3. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

## Post-installation tasks

1. Log on as a member of Windows Administrators and Product Administrators group.
2. From Station or Control Builder, enable all the Checkpoint tasks.
3. Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
4. Perform the following steps to migrate the Quick Builder project.
  - a. Open **Configuration Studio**.
  - b. Select **Build Channels**.  
The Quick Builder migration wizard appears.
  - c. Click **Next** to proceed with the migration.
  - d. Click **Finish** to complete the migration. The Quick Builder project opens automatically.

#### ATTENTION

During the migration, you may come across the **Unresolved Properties** page, with the appearance of **ControlInhibit** in the list. Ignore the prompt and proceed with the migration.

5. To uninstall Silverlight:
  - a. Navigate to Start Menu > Control Panel > Programs > Uninstall a Program.
  - b. Double-click "Microsoft Silverlight" and continue to confirm/acknowledge to uninstall the program.

## 4.7.2 Installing the point release on a redundant server

Honeywell recommends that for redundant servers you first install the point release on Server B, followed by one Client to perform system tests before promptly migrating Server A. Once Server A is migrated, the remaining Clients and then Controllers can be migrated.

- [Installing the point release on Server B](#)
- [Installing the point release on Server A](#)

## Installing the point release on Server B

### NOTE

You must execute the ERDB Consistency Checker (ECC) tool before any upgrade activity to identify any potential database related issue which may cause a migration failure in future.

- [Pre-installation steps](#)
- [Stopping the services](#)
- [Installing the point release](#)
- [Validating the point release installation](#)
- [Post-installation tasks](#)

### Pre-installation steps

1. Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.

### ATTENTION

Ensure that you log on with the required privileges.

2. Confirm that Server A is primary.
3. Turn off file replication of the mapping and view files.
  - a. In Station, click **Configure > File Replication**. Do not change the **Send** check box in this display.
  - b. Click **mapping** entry.  
The configuration page for **mapping** file replication entry appears.
  - c. Clear the **Replicate files from this path** check box.
  - d. Click **Save**.
  - e. In Station, click **Configure > File Replication**.
  - f. Click **Views** entry (views should be bold, like mapping).
  - g. Select the **Replicate files from this path** check box.
  - h. Click **Save**.
4. If the servers are not synchronized, click **Synchronize**.
5. Continue with the following steps on Server B.
6. Perform the following Checkpoint tasks.
  - a. Disable all the Checkpoint tasks; click **Stop** for all the scheduled Checkpoint tasks.

### ATTENTION

Checkpoint tasks that are currently executing must be completed. Ensure that all the automatic or manual **Checkpoint Save** tasks are complete.

- b. Ensure that the CPBASE and Checkpoint shares have replicated correctly between Server B and Server A.
  - c. Ensure that the Checkpoint share has replicated correctly to all the Console stations.
  - d. To verify the CPBASE and the replication of the Checkpoint shares, check the **Event Summary Display** page on the Station after the manual/auto **Checkpoint Saves** are completed for all controllers. If the **Event Summary Display** page does not display any replication failure event, the replication is successful.
7. **For systems with licensed QVCS only:** Open the QVCS Manager application and complete the required Qualification and Version Control System (QVCS) operations (for example: Check in, Check out, revert, and so on). Close the QVCS Manager application manually.
8. Disable all virus scan/protection/backup applications or services. If the DVM Logger service is present, it must be disabled.

#### ATTENTION

You must enable the services after completing the procedure.

- a. Open **Configuration Studio**.
  - b. Select **Administer Control Strategy Database**. Perform the required steps to disable ERDB replication.
10. Perform the following steps to disable EMDB replication.
  - a. Open **Configuration Studio**.
  - b. Select **Administer the System Database**. Perform the required steps to disable EMDB replication.
11. Close all the running applications.  
The installer automatically stops most of the required Experion services. However, certain services that are not stopped by the installer must be stopped manually.
12. Disable the **Experion PKS Server System** service. To disable the **Experion PKS Server System** service, perform the following steps.
  - a. Choose **Start > All Programs > Accessories > Command Prompt**.
  - b. Right-click **Command Prompt** and click **Run as Administrator**. Click **Yes** in the prompt to continue.
  - c. In the **Command Prompt**, type the following command `sc config HSCSERVER_System start= disabled` and click ENTER (the command must have a space after the equal sign).
  - d. Ensure that you see the following message once the **Experion PKS Server System** service is disabled successfully [SC] ChangeServiceConfig SUCCESS.

#### Stopping the services

Before installing the point release, you must stop the SNMP services. If PMD is installed, use PDS Server tool from **Start > All Programs > PMD > Start Or Stop PDS Server** and stop the PMD services.

Perform the following steps to stop all services manually.

1. Choose **Start > Honeywell Experion Tools**.
2. Right-click **Experion PKS Services Control Panel** and then select **More > Run as Administrator**.
3. Click **Stop all Services** and then click **OK**.

**Installing the point release**

1. If you are using Experion Support and Maintenance (ESM) to install the point release, install the point release from the ESM client. For more information, refer *Installation Builder User's guide*. If you are not using ESM to install the point release, go to step 2.
2. Browse to the folder containing the installer **Experion Experion > supportsoftware.exe**. If the installation is from the network, then map the location where the installer folder is located to the network drive.

**ATTENTION**

- a. In the command prompt, as an Administrator, type the following command.  
**net use <drive>: \\computename\share\<folder>** (for example, **net use Z: "\\192.168.10.3\temp\Experion 511.3"**).
- b. Ensure that the path mapped (for example, \\192.168.10.3\temp\<point release>) has both 'Read' and 'Write' permissions.
- c. Type the user name and password (must be in quotes if there is a blank).
- d. In the same command prompt window, change to the above mapped drive and run **supportsoftware.exe**.

3. Right-click **supportsoftware.exe** and then click **Run as Administrator**. If the **User Account Control** dialog box is displayed, click **Yes** to continue.

The **Welcome to Experion Update Manager** dialog box appears.

4. Click **Next** and enter the Password in the Login Credentials panel to perform the auto log on after restart. Ensure that you have resolved all ERDB inconsistencies by selecting the **ECC** check box.
5. Enter the **Experion Account passwords** to continue.
6. Enter and confirm the **Security Password** to continue.

**NOTE** The **Security Password** is used to encrypt the user inputs captured during a particular instance of installation/upgrade. The security password need not be the same for every installation/upgrade.

7. Click **Next** to start the installation.

**ATTENTION**

- If the installation is being performed from the network, acknowledge the User Account Control prompt after each system restart.
- You may see the following error message related to service which causes the installation to abort. Stop the service manually after acknowledging the message and restart the installation.  
*Failed to stop <service name>. Installation will be aborted now.*
- If the installation is being performed from the network, and the automatic network mapping does not occur, then, the user has to map it manually and re-run the **supportsoftware.exe**.

8. Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.
9. Start the Experion Server System service. To start the Experion Server System service, perform the

following steps:

- a. Choose **Start > All Programs > Accessories > Command Prompt**.
- b. Right-click **Command Prompt** and click **Run as Administrator**. Click **Yes** in the prompt to continue.
- c. In the Command Prompt, type the following command *sc config HSCSERVER\_System start=auto* and press **Enter** (the command must have a space after the equal sign).
- d. Ensure that the following message is displayed **[SC] ChangeServiceConfig SUCCESS**.

#### Post-installation tasks

1. Log on as a member of Windows Administrators and Product Administrators group.
2. Click **Start > All Programs > Honeywell Experion PKS > Server > Station** to start the station.
3. On the **Redundancy** tab, click **Synchronize** to synchronize the servers.
4. Click **Manual Failover**. The server failover takes place.

#### ATTENTION

Server B becomes primary.

5. If you have plan to install the point release on client nodes before installing on Server A, then on the **Redundancy** tab, click **Synchronize** to synchronize the serves. And also, confirm the connectivity to Server B from client nodes before installing point release on Server A.
6. Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
7. Perform the following steps to migrate the Quick Builder project.
  - a. Open **Configuration Studio**.
  - b. Select **Build Channels**.  
The Quick Builder migration wizard appears.
  - c. Click **Next** to proceed with the migration.
  - d. Click **Finish** to complete the migration. The Quick Builder project opens automatically.

#### ATTENTION

During the migration, you may come across the **Unresolved Properties** page, with the appearance of **ControlInhibit** in the list. Ignore the prompt and proceed with the migration.

- e. Click **Configure > File Replication**.
- f. Click **Views** entry.
- g. Select **Replicate files** from this path checkbox.
- h. Click **Save**.
8. To create missing file replication record and check the record in station, perform the following procedure.
  - a. In the command prompt, as an Administrator, type in the following command:  
"hscconfig /PROFINETGSDMLCATALOGFILERE"
    - b. Launch Station and navigate to **file replication display** page.
    - c. File replication rule for **GSDMLCATALOG** has now been created and shows status as OK.

9. Perform the following steps to apply new system acronyms.
  - a. In the command prompt, as an Administrator, type in the following command:  
**"<%user selected path%>\Honeywell\Experion PKS\Server\Run\fldmp" -restore -file  
"<%user selected data path%>\Honeywell\Experion PKS\Server\Data\acnym.5113.src"**

For example, "c:\program files (x86)\honeywell\Experion PKS\Server\run\fldmp" -restore -file "c:\programdata\honeywell\experion pks\server\data\acnym.5113.src" (ensure that the double quotes are entered).

**TIP**

After performing this step successfully, you will see the following message:  
System status is ON-LINE Reading from memory. Writing to memory, disc, backups. File 27 record 642 restored.

10. To uninstall Silverlight:
  - a. Navigate to Start Menu > Control Panel > Programs > Uninstall a Program.
  - b. Double-click "Microsoft Silverlight" and continue to confirm/acknowledge to uninstall the program.

## Installing the point release on Server A

**NOTE**

After installing this point release on Server B, continue with point release installation on Flex Station and Console Station nodes before proceeding with point release installation on Server A.

### Pre-installation steps

1. Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.

**ATTENTION**

Ensure that you log on with the required privileges.

2. Confirm that Server B is primary.
3. Disable all virus scan/protection/backup applications or services. If the DVM Logger service is present, it must be disabled.

**ATTENTION**

You must enable the services after completing the procedure.

4. Close all the running applications.

The installer automatically stops most of the required Experion services. However, certain services that are not stopped by the installer must be stopped manually.



5. Disable the **Experion PKS Server System** service. To disable the **Experion PKS Server System** service, perform the following steps.
  - a. Choose **Start > All Programs > Accessories > Command Prompt**.
  - b. Right-click **Command Prompt** and click **Run as Administrator**. Click **Yes** in the prompt to continue.
  - c. In the **Command Prompt**, type the following command `sc config HSCSERVER_System start= disabled` and click ENTER (the command must have a space after the equal sign).
  - d. Ensure that you see the following message once the **Experion PKS Server System** service is disabled successfully [SC] ChangeServiceConfig SUCCESS.

### Stopping the services

Before installing the point release, you must stop the SNMP services. If PMD is installed, use PDS Server tool from **Start > All Programs > PMD > Start Or Stop PDS Server** and stop the PMD services.

Perform the following steps to stop all services manually.

1. Choose **Start > Honeywell Experion Tools**.
2. Right-click **Experion PKS Services Control Panel** and then select **More > Run as Administrator**.
3. Click the **Stop all Services** and click **OK**.

### Validating the point release installation

1. Using Notepad, open the **ProductVersion.txt** file located in the following path.  
C:\Program Files(X86)\Honeywell\Experion PKS OR <User selected path>\Honeywell\Experion PKS.
2. Verify the **ProductVersion.txt** for the following:  
**++Experion PKS R511.3 Install completed on MM/DD/YYYY HH:MM:SS AM/PM**  
If the above line is present, it indicates that the installation is successful.

#### NOTE

After this point release is installed, an entry is made in the registry to indicate that the system is upgraded to Experion 511.3. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

### Installing the point release

1. If you are using Experion Support and Maintenance (ESM) to install the point release, install the point release from the ESM client. For more information, refer to the *Installation Builder User's guide*. If you are not using ESM to install the point release, go to step 2.

2. Browse to the folder containing the installer **Experion 511.3 > supportsoftware.exe**. If the installation is from the network, then map the location where the installer folder is located to the network drive.

**ATTENTION**

- a. In the command prompt, as an Administrator, type the following command.  
**net use <drive>: \\computername\share\<folder> (for example, net use Z: "\\192.168.10.3\temp\Experion 511.3" )**
- b. Ensure that the path mapped (for example, \\192.168.10.3\temp\<point release>) has both 'Read' and 'Write' permissions.
- c. Type the user name and password (must be in quotes if there is a blank).
- d. In the same command prompt window, change to the above mapped drive and run supportsoftware.exe.

3. Right-click **supportsoftware.exe** and then click **Run as Administrator**. If the **User Account Control** dialog box is displayed, click **Yes** to continue.

The **Welcome to Experion PKS Update Manager** dialog box appears.

4. Click **Next** and enter the Password in the Login Credentials panel to perform the auto logon after restart. Confirm that you have resolved all ERDB inconsistencies by selecting the **ECC** check box.
5. Click **Next** to start the installation.

**ATTENTION**

- If the installation is being performed from the network, acknowledge the User Account Control prompt after each system restart.
- You may see the following error message related to service which causes the installation to abort. Stop the service manually after acknowledging the message and restart the installation.

*Failed to stop <service name>. Installation will be aborted now.*

6. Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.
7. Start the Experion Server System service. To start the Experion Server System service, perform the following steps:
  - a. Choose **Start > All Programs > Accessories > Command Prompt**.
  - b. Right-click **Command Prompt** and click **Run as Administrator**. Click **Yes** in the prompt to continue.
  - c. In the Command Prompt, type the following command **sc config HSCSERVER\_System start= auto** and press **Enter** (the command must have a space after the equal sign).
  - d. Ensure that the following message is displayed **[SC] ChangeServiceConfig SUCCESS**.

**Validating the point release installation**

1. Using Notepad, open the **ProductVersion.txt** file located in the following path.  
**C:\Program Files(X86)\Honeywell\Experion PKS OR <User selected path>\Honeywell\Experion PKS.**
2. Verify the **ProductVersion.txt** for the following:  
**++Experion PKS R511.3 Install completed on MM/DD/YYYY HH:MM:SS AM/PM**  
If the above line is present, it indicates that the installation is successful.

**NOTE**

After this point release is installed, an entry is made in the registry to indicate that the system is upgraded to Experion 511.3. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

**Post-installation tasks**

1. Log on as a member of Windows Administrators and Product Administrators group.
2. Perform the following steps to enable ERDB replication.

**ATTENTION**

This step must be performed on Server B.

- a. Open **Configuration Studio**.
- b. Select **Administer Control Strategy Database**. Perform the required steps to enable ERDB replication.
3. Perform the following steps to enable EMDb replication.

**ATTENTION**

This step must be performed on Server B.

- a. Open **Configuration Studio**.
- b. Select **Administer the System Database**. Perform the required steps to enable EMDb replication.
4. Click **Start > All Programs > Honeywell Experion > Server > Station** to start the station.
5. On the **Redundancy** tab, click **Synchronize** to synchronize the servers.
6. Click **Manual Failover**. The server failover takes place.

**ATTENTION**

Server A becomes primary.

7. Click **Synchronize** to synchronize the servers.
8. Turn on file replication of the mapping and view files.
  - a. In Station, click **Configure > File Replication**. Do not change **Send** check box in this display.
  - b. Click **mapping** entry.  
The configuration page for **mapping** file replication entry appears.
  - c. Select **Replicate files from this path** check box.
  - d. Click **Save**.

- e. In Station, click **Configure > File Replication** once more.
    - f. Click **View** entry.
    - g. Select the **Replicate files from this path** checkbox.
    - h. Click **Save**.
  9. To create missing file replication record and check the record in station, perform the following procedure.
    - a. In the command prompt, as an Administrator, type in the following command:  
**"hscconfig /PROFINETGSDMLCATALOGFILEREPR"**
    - b. Launch Station and navigate to **file replication display** page.
    - c. File replication rule for **GSDMLCATALOG** has now been created and shows status as OK.
  10. Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
  11. From Station or Control Builder, enable all the Checkpoint tasks.
  12. If the point release has been already installed on the Server B, then perform the following steps to migrate the Quick Builder project.
    - a. Open **Configuration Studio**.
    - b. Select **Build Channels**.  
The Quick Builder migration wizard appears.
    - c. Click **Next** to proceed with the migration.
    - d. Click **Finish** to complete the migration. The Quick Builder project opens automatically.
- ATTENTION**

During the migration, you may come across the **Unresolved Properties** page, with the appearance of **ControlInhibit** in the list. Ignore the prompt and proceed with the migration.
13. To uninstall Silverlight:
    - a. Navigate to Start Menu > Control Panel > Programs > Uninstall a Program.
    - b. Double-click "Microsoft Silverlight" and continue to confirm/acknowledge to uninstall the program.

### 4.7.3 Installing the point release on Experion Application Server/Console/Flex/T-Nodes/Collaboration Station/Console Extension Station/eServer/Premium Access Clients

- [Pre-installation steps](#)
- [Stopping the services](#)
- [Installing the point release](#)
- [Validating the point release installation](#)
- [Post-installation tasks](#)

#### Pre-installation steps

1. Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall

account as it is a temporary account used for installation/migration purpose only.

#### ATTENTION

Ensure that you log on with the required privileges.

2. **For systems with licensed QVCS only:** Open the QVCS Manager application and complete the required Qualification and Version Control System (QVCS) operations (for example: Check in, Check out, revert, and so on). Close the QVCS Manager application manually.
3. Perform the following Checkpoint tasks.
  - a. Disable all Checkpoint tasks; click **Stop** for all the scheduled Checkpoint tasks.

#### ATTENTION

Any currently executing Checkpoint tasks must be complete before continuing. Ensure that all the automatic or manual **Checkpoint Save** tasks are complete. Checkpoint file replication fail alarm is generated if Checkpoint file replication is enabled and Checkpoint schedule is **ON** during console patch up-gradation.

- b. Ensure that the Checkpoint share has replicated correctly to all the Console stations.
  - c. To verify the replication of the Checkpoint shares, check the **Event Summary Display** page on the Station after the manual/auto **Checkpoint Saves** are completed for all controllers. If the **Event Summary Display** page does not display any replication failure event, the replication is successful.
4. Disable all virus scan/protection/backup applications or services. If the DVM Logger service is present, it must be disabled.

#### ATTENTION

You must enable the services after completing the procedure.

5. Close all running applications.

## Stopping the services

Before installing the point release, you must stop the SNMP services. If PMD is installed, use PDS Server tool from **Start > All Programs > PMD > Start Or Stop PDS Server** and stop the PMD services.

Perform the following steps to stop all services manually.

1. Choose **Start > Honeywell Experion Tools**.
2. Right-click **Experion PKS Services Control Panel** and then select **More > Run as Administrator**.
3. Click the **Stop all Services** and click **OK**.

## Installing the point release

1. If you are using Experion Support and Maintenance (ESM) to install the point release, install the point release from the ESM client. For more information, refer *Installation Builder User's guide*. If you are not using ESM to install the point release, go to step 2.

2. Browse to the folder containing the installer **Experion 511.3 > supportsoftware.exe**. If the installation is from the network, then map the location where the installer folder is located to the network drive.

**ATTENTION**

- a. In the command prompt, as an Administrator, type the following command.  
**net use <drive>: \\computername\share\<folder>** (for example, **net use Z: "\\192.168.10.3\temp\Experion 511.3"**).
- b. Ensure that the path mapped (for example, \\192.168.10.3\temp\<point release>) has both 'Read' and 'Write' permissions.
- c. Type the user name and password (must be in quotes if there is a blank).
- d. In the same command prompt window, change to the above mapped drive and run **supportsoftware.exe**.

3. Right-click **supportsoftware.exe** and then click **Run as Administrator**. If the **User Account Control** dialog box is displayed, click **Yes** to continue.

The **Welcome to Experion Update Manager** dialog box appears.

4. Click **Next** and enter the Password in the Login Credentials panel to perform the auto log on after restart. Ensure that you have resolved all ERDB inconsistencies by selecting the **ECC** check box.
5. Enter the **Experion Account passwords** to continue.
6. Enter and confirm the **Security Password** to continue.

**NOTE** The **Security Password** is used to encrypt the user inputs captured during a particular instance of installation/upgrade. The security password need not be the same for every installation/upgrade.

7. Click **Next** to start the installation.

**ATTENTION**

- If the installation is being performed from the network, acknowledge the User Account Control prompt after each system restart.
- You may see the following error message related to service which causes the installation to abort. Stop the service manually after acknowledging the message and restart the installation.  
*Failed to stop <service name>. Installation will be aborted now.*
- If the installation is being performed from the network, and the automatic network mapping does not occur, then, the user has to map it manually and re-run the **supportsoftware.exe**.

8. Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.

## Validating the point release installation

1. Using Notepad, open the **ProductVersion.txt** file located in the following path.

C:\Program Files(x86)\Honeywell\Experion PKS OR <User selected path>\Honeywell\Experion PKS.

2. Verify the **ProductVersion.txt** for the following:

**++Experion PKS R511.3 Install completed on MM/DD/YYYY HH:MM:SS AM/PM**

If the above line is present, it indicates that the installation is successful.

#### NOTE

After this point release is installed, an entry is made in the registry to indicate that the system is upgraded to Experion 511.3. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

## Post-installation tasks

1. Log on as a member of Windows Administrators and Product Administrators group.
2. From Station or Control Builder, enable all the Checkpoint tasks.
3. Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
4. Perform the following steps to migrate the Quick Builder project. This step can be an optional step for Console Station node if you have not migrated the Quick Builder project on Server nodes and opened the Quick builder for 1st time on Console Station node.

However, this step is not applicable for other nodes like eServer, Experion Application Server, Flex, and Premium Access clients.

- a. Open **Configuration Studio**.
- b. Select **Build Channels**.  
The Quick Builder migration wizard appears.
- c. Click **Next** to proceed the migration.
- d. Click **Finish** to complete the migration. The Quick Builder project opens automatically.

#### ATTENTION

During the migration, you may come across the **Unresolved Properties** page, with the appearance of **ControlInhibit** in the list. Ignore the prompt and proceed with the migration.

5. Perform the following steps to apply new system acronyms.
  - a. In the command prompt, as an Administrator, type in the following command:  

```
"<%user selected path%>\Honeywell\Experion PKS\Server\Run\fldmp" -restore -file  

"<%user selected data path%>\Honeywell\Experion PKS\Server\Data\acronym.5113.src"
```

For example, "c:\program files (x86)\honeywell\Experion PKS\Server\run\fldmp" -restore -file "c:\programdata\honeywell\experion pks\server\data\acronym.5113.src" (ensure that the double quotes are entered).

#### TIP

After performing this step successfully, you will see the following message:

System status is ON-LINE Reading from memory. Writing to memory, disc, backups. File 27 record 642 restored.

6. To uninstall Silverlight:
  - a. Navigate to Start Menu > Control Panel > Programs > Uninstall a Program.
  - b. Double-click “Microsoft Silverlight” and continue to confirm/acknowledge to uninstall the program.

## 4.7.4 Installing the point release on ACE/ SCE/ EHG

- [Pre-installation steps](#)
- [Stopping the services](#)
- [Installing the point release](#)
- [Validating the point release installation](#)
- [Post-installation tasks](#)

### Pre-installation steps

1. Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.

#### ATTENTION

Ensure that you log on with the required privileges.

2. Perform the following steps.

#### ATTENTION

Perform step a through step d on Control Builder from Server B (redundant server) or Experion server (non- redundant).

- a. From Control Builder **Monitoring view**, right-click the node **FB** and select **Upload/Update to Project With Contents**.  
The **Upload/Update to Project With Contents** box is displayed.
  - b. Clear **Server Configuration Information** check box and click **Continue**.  
The tuning constants are uploaded from the controller to the **Monitoring view** of ERDB.
  - c. Perform a manual **Checkpoint Save** of the controller.
  - d. Ensure that the Checkpoint shares have replicated correctly between the server and all the Console stations.
  - e. To verify the replication of the Checkpoint shares, check the **Event Summary Display** page on the Station once the manual **Checkpoint Save** is completed for this controller. If the **Event Summary Display** page does not display any replication failure event, the replication is successful.
3. Modify the node FB **CEESTATE** to **IDLE**.



4. Change the node FB ACE / SIM command to **SHUTDOWN**. For more information, refer to the Control Building User's Guide.
5. Shutdown the node FB from the Control Builder.

## Stopping the services

Before installing the point release, you must stop the SNMP services. If PMD is installed, use PDS Server tool from **Start > All Programs > PMD > Start Or Stop PDS Server** and stop the PMD services.

Perform the following steps to stop all services manually.

1. Choose **Start > Honeywell Experion Tools**.
2. Right-click **Experion PKS Services Control Panel** and then select **More > Run as Administrator**.
3. Click the **Stop all Services** and click **OK**.

## Installing the point release

1. If you are using Experion Support and Maintenance (ESM) to install the point release, install the point release from the ESM client. For more information, refer *Installation Builder User's guide*. If you are not using ESM to install the point release, go to step 2.
2. Browse to the folder containing the installer **Experion 511.3 > supportsoftware.exe**. If the installation is from the network, then map the location where the installer folder is located to the network drive.

### ATTENTION

- a. In the command prompt, as an Administrator, type the following command.  
**net use <drive>: \\computename\share\<folder>** (for example, **net use Z: "\\192.168.10.3\temp\Experion 511.3"**).
- b. Ensure that the path mapped (for example, \\192.168.10.3\temp\<point release>) has both 'Read' and 'Write' permissions.
- c. Type the user name and password (must be in quotes if there is a blank).
- d. In the same command prompt window, change to the above mapped drive and run **supportsoftware.exe**.

3. Right-click **supportsoftware.exe** and then click **Run as Administrator**. If the **User Account Control** dialog box is displayed, click **Yes** to continue.

The **Welcome to Experion Update Manager** dialog box appears.

4. Click **Next** and enter the Password in the Login Credentials panel to perform the auto log on after restart. Ensure that you have resolved all ERDB inconsistencies by selecting the **ECC** check box.
5. Enter the **Experion Account passwords** to continue.
6. Enter and confirm the **Security Password** to continue.

**NOTE** The **Security Password** is used to encrypt the user inputs captured during a particular instance of installation/upgrade. The security password need not be the same for every installation/upgrade.

7. Click **Next** to start the installation.

#### ATTENTION

- If the installation is being performed from the network, acknowledge the User Account Control prompt after each system restart.
- You may see the following error message related to service which causes the installation to abort. Stop the service manually after acknowledging the message and restart the installation.  
*Failed to stop <service name>. Installation will be aborted now.*
- If the installation is being performed from the network, and the automatic network mapping does not occur, then, the user has to map it manually and re-run the **supportsoftware.exe**.

8. Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.

### Validating the point release installation

1. Using Notepad, open the **ProductVersion.txt** file located in the following path.  
C:\Program Files(X86)\Honeywell\Experion PKS OR <User selected path>\Honeywell\Experion PKS.
2. Verify the **ProductVersion.txt** for the following:  
**++Experion PKS R511.3 Install completed on MM/DD/YYYY HH:MM:SS AM/PM**  
If the above line is present, it indicates that the installation is successful.

#### NOTE

After this point release is installed, an entry is made in the registry to indicate that the system is upgraded to Experion 511.3. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

### Post-installation tasks

1. Log on as a member of Windows Administrators and Product Administrators group.
2. From Station or Control Builder, enable all the Checkpoint tasks.
3. Load ACE node to monitoring side from Control Builder.
4. Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
5. To uninstall Silverlight:
  - a. Navigate to Start Menu > Control Panel > Programs > Uninstall a Program.
  - b. Double-click "Microsoft Silverlight" and continue to confirm/acknowledge to uninstall the program.

### Post Install Activities after all nodes have been upgraded

For systems that meet the following prerequisites there is an additional command that should be executed:

- Cluster consists of ESVT and ES-Ts
- This point release has been installed on the ESVTs and ES-Ts
- Have an Enhanced High-Performance Process Manager configured and loaded in Control Builder
- The Enhanced High-Performance Process Manager has the "Enhanced High-Performance Process Manager Data Access" setting set to "Peer to Peer and ExpServer"

If the above prerequisites are met, then on the primary ESVT and each ES-T open a command prompt and run: **primecombopoints /validate /all**

## 4.7.5 Updating common components packages (optional step)

### ATTENTION

Note that these steps must be performed ONLY if you install an optional common component package using Experion Installation media after installing this point release. To update the installed optional common component package version to Experion R511.1 version, you must reinstall Experion 511.3.

Follow the steps provided in the following respective sections to update the installed optional common component package version to Experion 511.3.

- [Installing the point release](#) on non-redundant server
- [Installing the point release](#) on redundant server B
- [Installing the point release](#) on redundant server A
- [Installing the point release](#) on Experion Application Server/ Console/ Flex/Console Extension station/eServer/Premium Access clients
- [Installing the point release](#) on ACE or SCE

## 4.7.6 Migrating controllers

### Updating the firmware

1. Perform the upgrade readiness checks using the Upgrade Tool (UT).  
For more information about UT, refer to the Experion Migration Planning Guide and Upgrade Tool Users Guide.
2. Migrate the controllers and modules using the Controller Migration Wizard (CMW).  
CMW can be used for both on-process and off-process migration in an automated way. NTools and CTools can be used for manual firmware upgrade.  
For more information about CMW, refer to Controller Migration in the respective *Scenario-specific migration guide*.

## 4.8 Uninstallation of the point release

### ATTENTION

Uninstallation of this point release is not supported. Contact Honeywell TAC to uninstall this point release.

# 4.9 Limitations

## 4.9.1 Point release removal

ATTENTION

Uninstallation of this point release is not supported. Contact Honeywell TAC to uninstall this point release.

## 4.9.2 Localization

<input type="checkbox"/> Not impacted	<input checked="" type="checkbox"/> Point release may contain strings in English. A Localization version to be included in the next release.
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## 4.9.3 Point release distribution

<input checked="" type="checkbox"/> Not limited	<input type="checkbox"/> Limited
---	----------------------------------

## SUPPORTED SOFTWARE / HARDWARE / FIRMWARE

- [Platform hardware](#)
- [Antivirus software](#)
- [Microsoft Office compatibility](#)
- [Microsoft security updates](#)
- [Experion Support and Maintenance](#)
- [Windows operating system](#)
- [Experion Backup and Restore](#)
- [Application Whitelisting](#)
- [Firmware Version](#)

### 5.1 Platform hardware

The following physical and virtual platforms are qualified.

#### ATTENTION

Variations from the tested configuration may negatively impact the operation and/or performance of the hardware when used as the specified node types.

#### 5.1.1 Physical platforms

- **HP platforms**

The following HP platforms are qualified.

Workstation	Server
HP Z440 workstation	HP ProLiant DL360p Gen8 server
HP Z620 workstation	HP ProLiant DL360p Gen9 server
HP Z4 G4 workstation	HPE ProLiant DL360 Gen10 server

- **Dell platforms**

The following Dell servers and workstations are qualified.

Workstation	Server
Dell Precision R5500 workstation	Dell PowerEdge T320 server
Dell Precision T3600XL workstation	Dell PowerEdge R320 server
Dell Precision R7610 workstation	Dell PowerEdge R330 server
Dell Precision R7910 workstation	Dell PowerEdge T330 server
Dell Precision T5810XL workstation	Dell PowerEdge T130 server
Dell OptiPlex XE2	Dell PowerEdge R430 server
Dell Precision T5820 workstation	Dell PowerEdge R740XL server
Dell Precision R7920 workstation	Dell PowerEdge T340 server
Dell Optiplex XE3	Dell PowerEdge R230XL server
	Dell PowerEdge R240XL server
	Dell PowerEdge R330XL server
	Dell PowerEdge R340HWL Server
	Dell PowerEdge XR2HWL Server

**ATTENTION**

- The performance workstation hardware can be used as a Experion Flex Server - ESV on Windows Client Operating System.
- To plug in FTE cables on a Dell Precision R7610 workstation, refer to the **NIC connection requirements** section in the *Fault Tolerant Ethernet Installation and Service Guide*.

## 5.1.2 Virtual platforms

Honeywell provides qualified virtual platforms that can be used with supported applications. The entire solution is supplied and supported by Honeywell. The virtual platforms can be used for clean installation or migration.

The following virtual platforms are qualified.

- VMware Virtual workstation
- vSphere

For more information about virtualization support, see the following documents on the Honeywell Process Solutions website.

- HPS Virtualization Specification
- Experion Virtualization Planning and Implementation Guide

For more information about the hardware supported for Experion, see the latest *System Initialization Media Software Change Notice*.

In addition, you may download the following spreadsheet from <http://www.honeywellprocess.com>.

- Experion Update Matrix

## 5.2 Antivirus software

To obtain the latest antivirus software information, you may access the following links in the Honeywell Process Solutions website. If you are a new user, you must register at <http://www.honeywellprocess.com>.

- Click the following link for Antivirus Software Guidelines.  
<https://www.honeywellprocess.com/library/support/Documents/Trusted/Experion/anti-virus-software-guidelines.pdf>
- Click the following link for Antivirus Quick Reference.  
<https://www.honeywellprocess.com/library/support/Documents/Trusted/Experion/Anti-virus-Quick-Reference-Guide.pdf>

## 5.3 Microsoft Office compatibility

Click the following link for latest information about the qualified Microsoft Office packages for the Experion products.

<https://www.honeywellprocess.com/library/support/Documents/Trusted/Experion/certified-microsoft-office-packages.pdf>

The latest Microsoft Office package information is available at the Honeywell Process Solutions website. If you are a new user, you must register at <http://www.honeywellprocess.com>.

## 5.4 Microsoft security updates

You can access the latest Microsoft security updates at the Honeywell Process Solutions website. If you are a new user, you must register at <http://www.honeywellprocess.com>.

- To access the latest Microsoft security update information at the Honeywell Process Solutions website, click the following link.  
<https://www.honeywellprocess.com/library/support/security-updates/Customer/Honeywell-Qualification-Matrix.zip>
- After you register at the website, click the following link for ISO User Guide.  
<https://www.honeywellprocess.com/library/support/security-updates/Customer/Microsoft-Security-Updates-ISO.pdf>

## 5.5 Experion Support and Maintenance (ESM)

Experion Support and Maintenance (ESM) R251.x is qualified with Experion R410, R43x R500 and R51x releases. For more information, please refer to *Experion Support and Maintenance User's Guide*.

## 5.6 Supported operating system

Honeywell has an Original Equipment Manufacturer (OEM) agreement with Microsoft for supplying operating system media for Experion releases. The following Windows operating systems (English edition) are supported.

- On client nodes
  - Microsoft Windows 10 Enterprise 2016 LTSC (x64)
- On server nodes
  - Microsoft Windows Server 2016 Standard
- On Virtual machines
  - Microsoft Windows Server 2016 Datacenter
  - Microsoft Windows Server 2016 Standard

**NOTE**

Microsoft Datacenter operating system is only applicable for virtualized environments.

## 5.7 Experion Backup and Restore

Experion Backup and Restore (EBR) R501.x is qualified with Experion 511.3. For more information, please refer to *Experion Backup and Restore User's Guide*.

## 5.8 Application Whitelisting

This is not supported in Experion 511.3.

## 5.9 Firmware revisions

The following table provides details about the revised firmware versions:

Module	Module number	Firmware version	File
C200E	TC-PRS022 TK-PRS022	EXP511.1-42.332	cee50e.pcm cpmboote.pcm
C300	Cx-PCNT01 CC-PCNT02	EXP511.1-42.332	c300.lcf c300app2.pcm c300app2_20.pcm c300app2_ehb.pcm c300boot2.pcm c300boot2_20.pcm c300boot2_ehb.pcm c300boot2x.pcm c300boot2x_20.pcm



Module	Module number	Firmware version	File
			c300boot2x_ehb.pcm c300app3.pcm c300app3_20.pcm c300boot3.pcm c300boot3_20.pcm PCNT02.lcf
EHPM		EXP511.1-42.330	ehpm.lcf ehpmapp1.pcm ehpmboot1.pcm
EHB		EXP511.1-42.313	ehb.lcf ehbapp1.pcm ehbboot1.pcm enim2ehb.lcf
EIM		EXP511.1-42.329	eimeip_eim2_fte_hsrprp_signed_prod.pkg
ELMM		EXP511.1-42.313	elmm.lcf elmmapp2.pcm elmmboot2.pcm
Classic ENIM/ENIM		EXP511.1-42.330	epni2.lcf epni2app1.pcm epni2boot1.pcm
ETN		EXP511.1-42.313	etn.lcf ETNapp1.pcm ETNboot1.pcm
FIM		EXP511.1-42.313	fimboot.nvs fimboot.pcm fimrex.nvs fimrex.pcm
FIM4		EXP511.1-42.313	fim4.lcf fim4app2.pcm

Module	Module number	Firmware version	File
			fim4app3.pcm fim4app4.pcm fim4boot2.pcm fim4boot3.pcm fim4boot4.pcm
FIM8		EXP511.1-42.317	fim8.lcf fim8app2.pcm fim8app3.pcm fim8boot2.pcm fim8boot3.pcm
FTEB		EXP511.1-42.313	ftebboot.nvs ftebboot.pcm ftebrex.nvs ftebrex.pcm
IOLIM		EXP511.1-42.313	iolimapp.nvs iolimapp.pcm iolimboot.nvs iolimboot.pcm
PGM2	Cx-IP0101	EXP511.1-42.325	pgm2.lcf pgm2app1.pcm pgm2boot1.pcm
RFIM		EXP511.1-42.313	rfim4app2.pcm rfim4app3.pcm rfim4app4.pcm rfim4boot2.pcm rfim4boot3.pcm rfim4boot4.pcm
UEA (ELCN Bridge)		EXP511.1-42.330	ueaelcn_brg_uea2_fte_signed_prod.pkg
UEA (ELCN Node)		EXP511.1-42.330	ueaelcn_node_uea2_fte_rdn_dl_signed_prod.pkg

Module	Module number	Firmware version	File
UOC		EXP511.1-42.332	uocprocess_cpm_fte_hsrprp_tracker_signed_prod.pkg

## NEW FEATURES AND ENHANCEMENTS

## 6.1 Experion Batch

In R511.3, Experion Batch solution introduced the following new functionality and capabilities:

- Procedure Explorer HMI enhancement to view and interact with future, not yet executed procedural elements of a selected batch
- Usability enhancements for Batch creation UI
- Remove Silverlight component from Batch UI
- Timeline 'Acquired' filter for plants with many units
- System-wide activity capacity increase
- Multi-Version Recipe enhancements for QVCS audit trail and Master recipe associated user-defined templates propagation

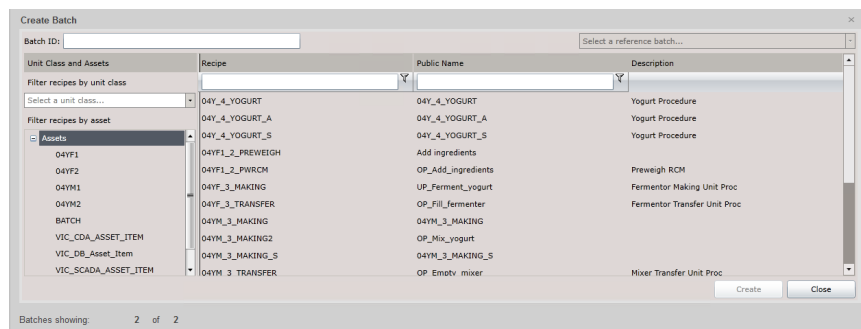
Videos provided in the user assistance to demonstrate these changes. Refer to videos page from the homepage of the user assistance for more information.

For more information about these features, see the section *Using Experion Batch Manager* in *Operators Guide* and the section *Experion Batch Manager* in *Server and Client Planning Guide*.

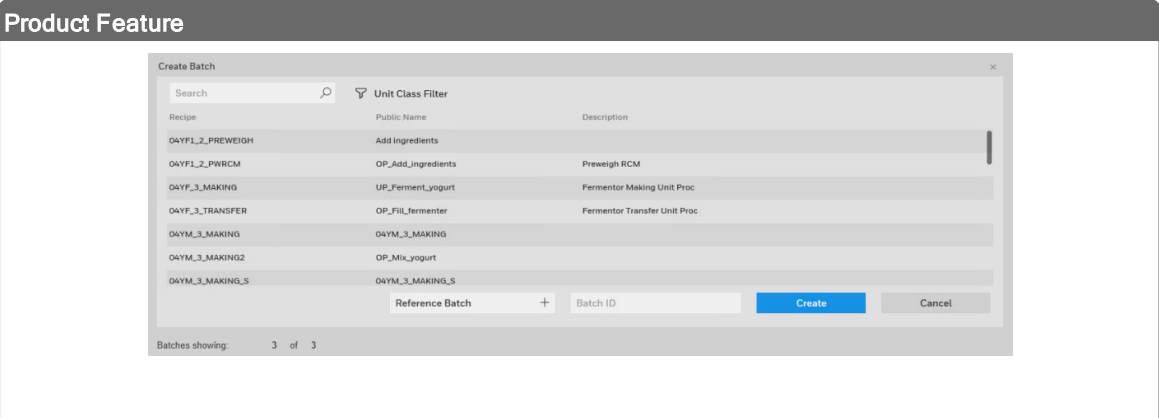
## Product Feature

## Create Batch Interface

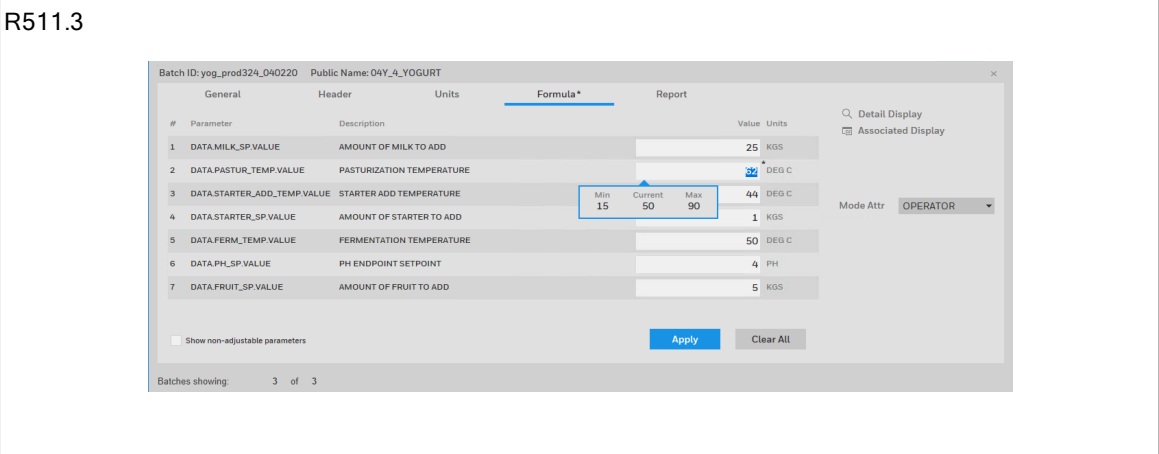
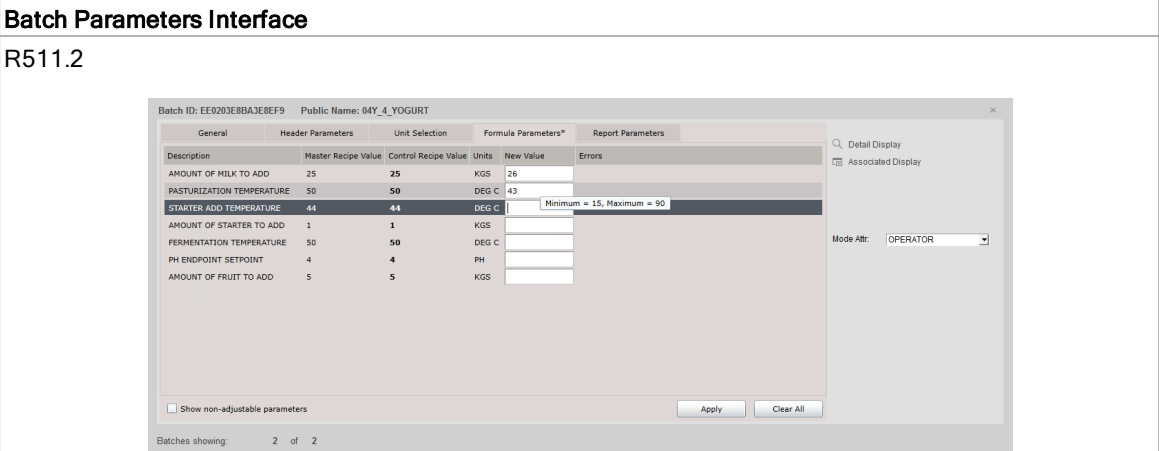
R511.2



R511.3



- Changes:**
- To better support workflow and simplify the display:
- The **Batch ID** and **Reference Batch** list have been moved to the bottom.
  - The **Asset Filter** has been removed. Assets can be selected from the **Location Pane** in the relevant **Summary** display.
  - The **Unit Class** filter has been moved to the top, and while differently styled still functions in the same way.
  - **Recipe** and **Public Name** filter functionality has been incorporated into the **Search** field at the top of the pane. Search criteria now also searches text in the **Description** column.
  - The appearance of the Create Batch interface now matches the currently selected Station theme (classic, light, dark).



## Product Feature

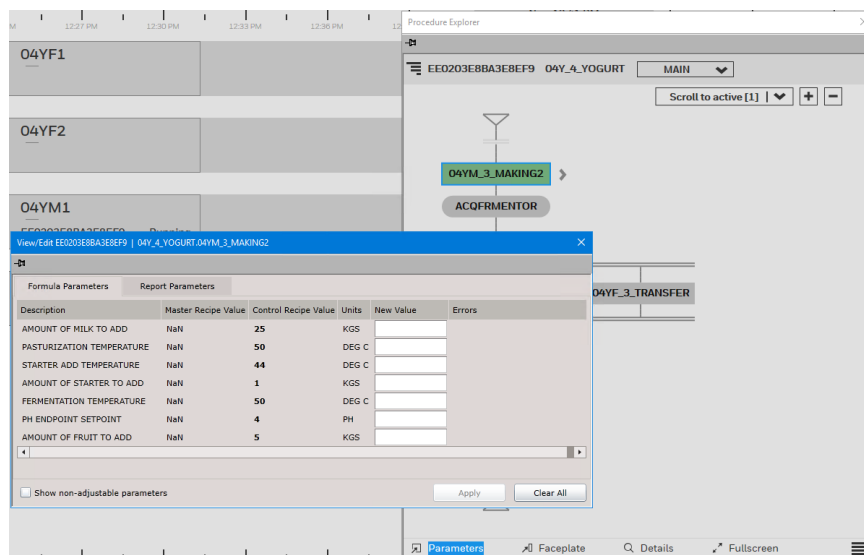
### Changes:

To better support workflow and improve usability:

- The tab labels have been shortened to one word.
- The **New Value** column has been removed. New Values can be typed directly over the current value in the **Value** field, with a callout providing range details and the current value in the controller.
- Asterisks on the tab and beside a changed value indicates an unsaved change.
- The **Errors** column has been removed. An error icon beside the parameter name indicates an error applying the new value. A callout on the error icon displays the error details.
- The **Master Recipe Value** column has been removed in the default view. To show this column, select the **Show master recipe value column in batch parameters** check box on the Summary displays tab of the Server Wide Settings display.
- Disabled parameters are not listed.
- The appearance of the Batch Parameters interface now matches the currently selected Station theme (classic, light, dark).

## Procedure Explorer

R511.2



R511.3

Product Feature

Procedure Explorer

yog\_prod324\_040220 04Y\_4\_YOGURT

MAIN

Scroll to active [1] |

+

-

O4YM\_3\_MAKING2

ACQFRMENTOR

O4YM\_TRANSFER

O4YF\_3\_TRANSFER

O4YM\_3\_MAKING2 - 04Y\_4\_YOGURT.O4YM\_3\_MAKING2 description

Formula

Report

#	Description	Value	Units
1	AMOUNT OF MILK TO ADD	25	KGS
2	PASTURIZATION TEMPERATURE	50	DEG C
3	STARTER ADD TEMPERATURE	44	DEG C
4	AMOUNT OF STARTER TO ADD	1	KGS
5	FERMENTATION TEMPERATURE	50	DEG C

Show non-adjustable parameters

Apply

Clear All

Detail Display

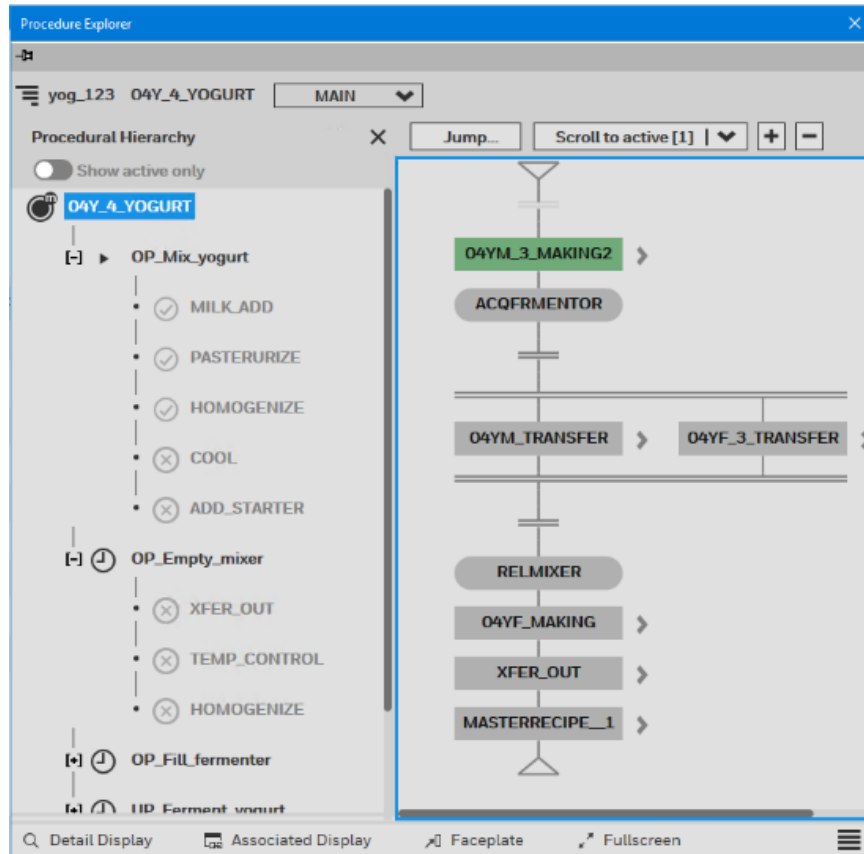
Associated Display

Faceplate

Fullscreen

R511.3 with Show active only elements disabled

## Product Feature

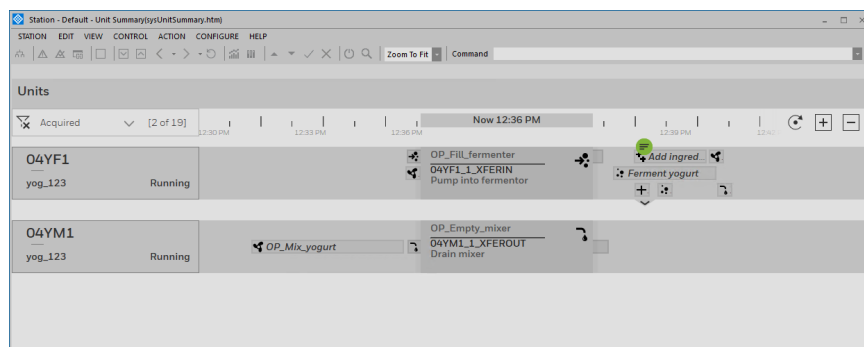


### Changes:

To better support workflow and improve usability:

- The Parameter details have been added to the Procedure Explorer details pane. You can display the Details pane by clicking the menu icon in the bottom right corner of the Procedure Explorer.
- The Parameters link at the bottom of the Procedure Explorer replaced with Associated Display as it is now redundant.
- Procedure Explorer functionality enhancements allow the users to view and interact with future, not yet executed procedural elements of a selected batch using Procedure Explorer chart and tree view. Using the Procedure Explorer, an operator can watch the entire hierarchy except for the completed procedural elements of a selected batch.

## Unit Timeline



### Changes:



**Product Feature**

- A new **Acquired** filter has been added, enabling you to limit your view to those units that are currently used by batches.
- The **Acquired** filter shows real-time data, and persists for an Operator on a given Station when returning to the **Unit Timeline** from another display.

**Batch Detail Displays****Changes:**

- The '**Default Value**' column label on the Formula and Report tabs has been changed to 'Value'. The data shown in this column is unchanged from prior releases and is the same data as the 'Value' column on the Batch Summary and Procedure Explorer details.
- The '**Current Value**' column label on the Formula tab has been changed to 'Scaled Value' to better reflect the purpose of the 'cv' parameter. The data shown in this column is unchanged from prior releases.

## 6.1.1 Multi-Version Recipe

Multi-Version Recipe functionality enhanced the following to reduce the development and validation effort required to build and manage recipe control strategies.

- Qualification and Version Control System (QVCS) enhancement to maintain the engineering activities for Master Recipes of a Multiversion set using a unique base name in QVCS audit history log and display the version history of master recipes configured in Multi-Version set.
- Master recipe user-defined templates\ Recipe step block type changes (Add new parameters, update the information to existing parameters) only propagated to the editable master recipe ELCN UET in instance of a Multi-Version set. Templates changes do not propagate to the read-only Master recipe instances of the Multi-version set.

Refer section "Multi-Version Recipe" in *Qualification and Version Control System (QVCS) Guide* and *Sequential Control Module Guide*.

## 6.2 Experion Local Control Network (ELCN) Unified Engineering Tools

Beginning with Experion R511.3, the Experion Engineering tools facilitate ENIM point configuration. Experion Engineering tools can be used to perform most of the Native Window Data Entity Builder operations for ENIM nodes. Unified Engineering tools provides an environment having consistent user experience in the unified Experion system. Some of the engineering operations that can be performed are:

- Creating node Platform blocks
- EHPM node specific configuration
- Configuring IO modules
- Channel and Point building
- User programming (CL)
- Modification and deletion of the channels and points

ELCN Database Import Utility is added to the Experion Engineering tool set for transferring Local Control Network (LCN) / Enhanced Universal Control Network. (EUCN) point configuration data to Experion databases.

The unified Experion system leverages a common platform framework which is supported on a common system specification resulting in reduced deployment time and complexity.

The following are the benefits of the unified Experion system:

- Provides a consistent user experience for all configuration tasks.
- Ease of migration of database from EUCN to the unified Experion system.
- Increase in productivity in accomplishing configuration tasks, as well as user programming.
- Reduces qualification efforts on different flavors of engineering user station specifications.
- Reduces training needs on Native Window and Data Entity Builder operations.

For more information on Unified Engineering tools, refer to *ELCN Unified Engineering Operations Guide*.

## 6.3 C200 to Unit Operations Controller (UOC) Upgrade

Beginning with R511.1, you can now upgrade your C200 Controllers with Series A I/O to UOC with Series A I/O. With R511.3, most of the common Series A I/O types and productized CCLs (Custom Control Library) blocks are now supported with UOC. Support for additional IOMs and productized CCL blocks will be introduced in future Experion releases.

Seven additional ControlNet Series-A IOMs are added to the subset supported by UOC:

- TC-IDX081
- TC-IDX161
- TC-IDW161
- TC-ODX081
- TC-ODX161
- TC-ORC081
- TC-ORC161

Due to this staged I/O and productized CCL Block support and other aspects considered during a C200 to UOC Migration, if you want to upgrade C200 with Series A I/O to UOC, contact the respective Honeywell Account Managers where the request will be vetted by Honeywell for feasibility and the Honeywell Migration Centre of Excellence will be involved.

## 6.4 UIO16 Module

UIO16 module is a flavor of UIO second generation family. UIO16 module is a Universal IO module that uses the Universal Channel technology provided by the ASIC and that it supports up to 16 channels. UIO16 is the module template name of UIO second generation 16 channel. UIO16 module has all features of UIO-2 32 channels module, except for the number of channels is reduced to 16. It supports SOEs on all channels. A maximum of 4 DO channels can be clubbed to form ganging. A maximum of 4 channels can be configured for pulse accumulation.

## 6.5 Experion Reporting Enhancements

Experion Report allows users to configure the report content and layout and save the configuration in a report definition file. The Report Builder display provides a visualized and flexible way to build and modify the report definition files for Experion Reports.

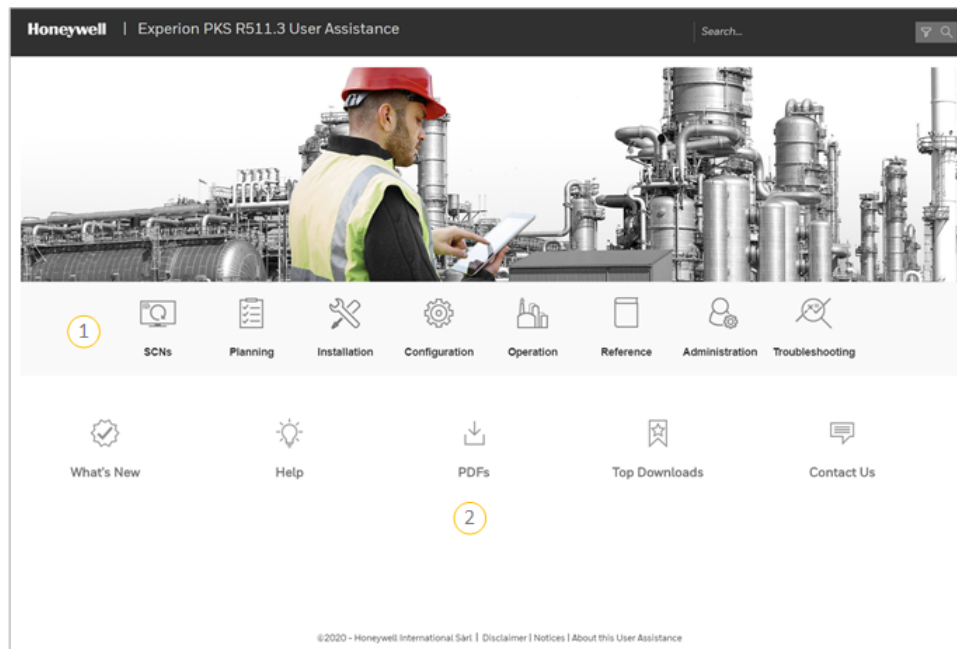
In R511.3, Experion Report is enhanced with the following features:

- Enhancements to the general usability of the Report Builder display.
- Support for adding a list of points to the report, which are in the selected alarm states at the time of requesting the report.
- Support for adding a trend of up to 5 point parameters to the report.
- Support for generating an Experion Report to a Comma-separated values (CSV) format.

For more information, Refer “Experion Report” in the *Server and Client Configuration Guide*.

## 6.6 User Assistance

In R511.3, the Experion User Assistance has a new home page, offering a richer user experience. Select content category (1) to access the PDFs (Portable Document Format) or HTML (Hypertext Markup Language) content for that category, or select a quick link (2) to jump directly to often accessed content, such as What’s New in this release, a list of all PDFs, and Help for this User Assistance.



## 6.7 Experion Support and Maintenance Enhancements

Experion Support and Maintenance (ESM) is enhanced to deploy Virtual Unit Operations Controller (vUOC) virtual appliances using Open Virtual Application (OVA) template. For details refer

## 6.8 UOC Integration of HART over Ethernet/IP network

With Experion R511.3 release, Unit Operations Controller (UOC) can access, interpret and display Highway Addressable Remote Transducer (HART) Data and Status from HART devices connected to EtherNet/IP HART enabled IO Modules. HART Data Integration over EtherNet/IP is implemented as per ODVA standards and IO Module vendors have to comply to this standard.

With this solution;

- HART device Identification, basic data and status are displayed in Control Builder .
- HART dynamic variables and status can also be used in control strategies.
- HART device general status and device specific status are generated as Alarms/Events in Experion Station as per user configuration.

## 6.9 Control Builder Picker Enhance PLC Points

The existing Point Picker dialog does not list the ControlEdge Programmable Logic Controller (PLC) Points for selection when invoked from the Parameter Connector in the Chart View. As part of the new feature, the ControlEdge PLC Points which are published to Experion will be listed in a modified Point Picker dialog. This dialog will have a combo box to list the categories of points which are shown as tabs in previous releases. A Filter feature is implemented for the columns to enable the user to search for a particular Point\Parameter, if it has more items.

## 6.10 Qualify Replacement Smart Card Reader

This enhancement is to manually install the card reader plugin and the drivers. Only the master installer is updated for major releases and user is not prompted to select optional components as part of a patch install. For the patch release, user has to manually install the software and drivers. Once this is complete, user must run the driver install. After driver installation, user can insert card reader on the system and see it in the config screen.

## 6.11 Experion TPS faceplate enhancement

Improved the operational efficiency of TotalPlant Solution (TPS) faceplate by adding some additional key parameters to get improvements in Ramping and Tuning. Made the Experion TPS digital faceplate consistent in terms of representing Process Variable (PV) / Output Parameter (OP) states in the center panel of faceplate with standard Experion digital point faceplates.

## 6.12 Switch Tree View with one Click

The “Navigate to Project” Menu item enables the user to navigate to the Monitoring strategy in the Control Builder Tree view in a single click and vice versa if the strategy is loaded. A new button is available on the Chart view of the Tags which will open the Monitoring Chart View if the button is clicked in the Project Chart View and vice versa.

## 6.13 UIS-R2106 - Find/Replace in Sequential Control Module (SCM)

In the Chart View for SCM \Recipe Control Module (RCM) \ Master Recipe (MR), a new functionality is introduced to Find a text in the Expression\Description and replace it with the provided text. A new Dialog box can be invoked from the Chart View Tool bar which will have the Find, Replace, “Replace All” buttons. The Replace button can be used to replace the text one by one across all the Expressions in the complete chart. The Replace All button can be used to replace the search text in all the Expressions in the chart in a single click.

## 6.14 UIS-R2304 - Copy/Paste feature for Sequential Control Module (SCM) steps

In the Chart View for SCM\RCM and MR, a new functionality is introduced to Copy and Paste the Expression\Description across multiple Step and Transition blocks. The Details Control Panel header for the Step and Transition block is added with new buttons for the copy/paste. The Copy/Paste option is enabled regardless of item is copied or not to support across block copy paste.

## 6.15 UIS-R2308 - Alarm summary Improvements

This function will provide additional alarm count information in the Experion Alarm Summary to indicate the number of stale alarms in the system. That is, alarms that are older than a particular number of days (configurable). Only active alarms will become stale. That is, alarms where the alarm condition has not returned to normal.

## 6.16 UIS-R2401 - Alarm Shelving

This function will add the ability to easily shelve or unshelve alarms for an entire asset, alarm group, system or network component, or system alarm group. This function will also be available for all expanded levels in the Location Pane.

On the Alarm Summary and System Status display Location Panes, provide a new context menu that allows shelving or unshelving of all the current alarms for an entire item (asset, system component, network component, process alarm group, or system alarm group). Confirmation will be required so that the operator understands how many alarms will be shelved or unshelved before the action is completed.

The new context menu option for shelving will call up a dialog that will present the standard alarm shelving options (e.g. reason and time to shelve the alarms) and request confirmation. Using the information collected by the dialog, the system will then shelve each current alarm for that entire item.

## 6.17 UIS-R2405 - Controller Normal Mode Report

A new Point Attribute Report will be provided to list all points that have a defined normal mode, and are not currently in that normal mode. This single report will list out Process blocks, Supervisory Control and Data Acquisition (SCADA) points, and TPS points together.

To configure the report, the user creates a new report of report type "Point Attribute".

For report content, the user can select Attribute of "Off Norm", and define a filter on the point names to search. To search all points, the user can select "\*" in the Point ID filter.

The output of the report will be a table of points, with separate columns for Point Name, Mode, and Normal Mode.

## 6.18 UIS-R2406 - Add hourly average to group displays

This function is to enhance the group display (Group Detail, Group Trend and Tabular History) to have a new view called "Group Hourly Average" which will exhibit hourly average functionality same as TDC. There will be an option to change the behavior of "Hourly Avg" key in server wide IKB/OEP/OTP settings page, to call up "Group Hourly Average" view instead of "Tabular History" view for the entered group. Hourly Average key behavior will have two option with below feature described.

- When set to open “Group Hourly Average” pressing the “Hourly Avg” key will prompt to enter the group number and call up the “Group Hourly Average” view for the entered group. Time and interval will be always set to 12 hours and 1 hour average from the current time. user will not have any option to change the time period or interval.
- When set to open “Tabular History” pressing the “Hourly Avg” key will prompt to enter the group number and call up the “Tabular History” for the entered group. Time period and interval will be set to the last saved value and user will have option to change it and save.
- With any point/tag in focus pressing “Hourly Avg” key will call up “Group Hourly Average” or “Tabular History” for the group in which point/tag is configured.

## 6.19 UIS-R2203 - TPS Faceplate Consistency Group

R2203 represents a collection of the following UIS Items:

- UIS 4339 “Add Ratio, Bias, SPTV to [Experion] TPS Faceplate.
- UIS 2994 “Improve the Ramp function interface in Experion to allow easier Operator entry” (aka - provide faceplate-access to additional parameters).
- UIS 4131 “Make TPS digital faceplate in Station look more like PKS digital faceplate”.

## 6.20 UOC DLR Topology - Connecting 2 DLR rings

Unit Operations Controller (UOC) Device Level Ring (DLR) Topology is now qualified to connect 2 DLR Ring networks using Stratix switches. With this UOC topology, UOC in one DLR ring can communicate with remote EtherNet/IP devices in different DLR ring network. This kind of topology is typically deployed for moveable Skid Applications where devices are not stationary and are not connected to one controller.

## 6.21 FOUNDATION FIELDBUS, FIM8 Model - CC-PFB802

New FIM8 firmware release to support FIM8 model - CC-PFB802 with hardware version-3 and hardware revision - B or greater.

## 6.22 Adding Short Circuit Alarm (SCA) Thermocouple (TC) /Resistance Temperature Detector (RTD) module configuration utility in Experion

The SCA TC/RTD allows the user to connect Low Level signals from a wide range of sensor types. The SCA TC/RTD module configuration using the UIO-2 consists of adding the new sensor types (TC, RTD, mv, ohm) to the UIO-2 Analog channel.

## 6.23 Universal Low Level Input Adapter

With release of R511.3, UIO2 module can be interfaced to the ULLI01- Low Level Input Adapter. The ULLI01 is a single channel low level analog input module which supports universal input measurement with Thermocouple, Millivolts, RTD & OHMS and provides 4-20 mA output proportional to the measured variable. The details of the types of inputs and their specifications can be referenced from the user manual. This measured value will be interfaced with UIO2 module that displays the equivalent temperature in the Experion system.

## 6.24 Update ADC to support 96 Point Universal Process Cabinet (UPC)

Starting R511.3, user can perform Automated Device Commissioning (ADC) on remote cabinets with support for 3 UIO-2 IO Modules. A total of 96 channels can be commissioned at a time by the user.

## RESOLVED PARs IN EXPERION

## 7.1 Resolved PARs in Experion 511.3

[Installation and Migration resolved PARs](#)

[Common Components resolved PARs](#)

[Controllers and Tools resolved PARs](#)

[Servers and Stations resolved PARs](#)

## 7.1.1 Installation and Migration

PAR	Function	Description
1-CL52LT1	IXP-Import Export	Major error not reported in Restore control strategy step during server migration.
1-CEPPY9V	INS-Experion Installer	Windows Update failed to check for updates with error 0x8024402C.
1-B5156MX	Installation-TPS and GUS	PCUS on HP Z620 with two (2) LCNP4e cards exhibit performance issue on second LCNP4e card.
1-CJEVF6J	Network-FTE	Upgrading R511.2 to R511.3 Rev10, windows crashed and FTE MUX error seen after reboot of server B.
1-BPMBKFH	On-Process Migration-Controller Migration	C300 Controller sync problem while migrating Off-Process with 20ms file.
1-B158KN3	On-Process Migration-Controller Migration	In Controller Migration Wizard (CMW), Low Level Analog Input module is shown in red color even though it is updated to latest firmware.
1-CCEUMSU	On-Process Migration-Controller Migration	FTEB module ver rev entry is not present for R410.9 HF12.



PAR	Function	Description
1-B0RQ6WJ	On-Process Migration-Upgrade Tool	Truncated display of Autoproceed window in UT tool.
1-BMZ21SH	On-Process Migration-Migration Readiness Tool	LOC on UOC On-Process Migration in presence of DLR ring network fault.
1-B3B31RP	On-Process Migration Tool	Truncated display of Autoproceed window in UT tool.
1-BHRTA89	On-Process Migration Tool	Issue found during GCL update and need DB Migration wizard to provide workaround for R511.2.

### 7.1.2 Common components

PAR	Function	Description
1-C14AINX	Honeywell Communications Interface	OPCHDA server becomes unresponsive after repeated requests for data.
1-523LRCB	Experion TPS Infrastructure	For TPS Board 0 Config, entering more than 15 characters caused the TPS Config Tool to lock up.
1-B8ZWIM5	Network-Equipment and Support	Addroute.exe is leaking handles (approx 6 handles/hr).
1-BR15CYL	Signon Manager	Smartcard reader password change is not available, if PIN is activated.
1-C8PP7P9	QVCS	QVCS property for states to disallow check outs.
1-BQ2X0KJ	QVCS For Displays	Fail to restore display repository database.

### 7.1.3 Controllers and Tools

PAR	Function	Description
1-BJANE4F	CAB-Runtime	ACE node crashes if CAB exception is thrown with null message.
1-C43KOK3	CCL	UGM Blocks doesn't generate alarm for the active inputs and timer does not start.

PAR	Function	Description
1-BZVJ7OV	CCL	NORSOK blocks don't get restored by snapshot in simulation mode.
1-BVZ5TIR	CDA-Server	pscdasrv crash on Rx of corrupted packets.
1-BHF8C4B	CF - Control Function	initialization of FANOUT block cannot be disabled even parameter is off.
1-JD0T73	CF - Control Function	Digital Alarm Live values are not updating in station.
1-BN80B5R	CF - Control Function	Missing description in alarm summary for UOC CEE due to Interlock Block
1-BESI3DB	CF - Control Function	Missing supervisor operating authorization level for FLAG and NUMERIC blocks
1-B8YBYTB	CF - Control Function	Warning High Limit on MA block freeze in HIGH state
1-C2KE4EJ	CF - Control Function	Primary Ace crashing during ACE Cutover process for specific CAB block which is Atomic.
1-BNXROX7	CF - Control Function	NORSOK block - More than one OFFNRM alarms causes issues for advance application.
1-CI2BJKJ*	CEUOC - Platform	UOC failed after freeze and switchover due to unresponsive secondary for more than 30 secs.
1-BRKX8L4	CEUOC - Platform	UOC continuously reports CEE overrun with 68.37% CPU free in CPU-1 core.
1-BTCPB1R*	Control Functions - Batch	50ms VEP vUOC CEE72101 crashed unexpectedly.
1-B4AF6AP	Configuration Studio	QDB File Replication # 1 generates an Event every 5 minutes.
1-BOKI27J	Configuration Studio	User Defined Parameters gets deleted when making unsaved changes in UDPs and in PV Algo tab for block no. configuration.
1-49SLT9O	Control Builder	In control builder option Enable Tree Monitoring is not working.

PAR	Function	Description
1-BZ15RAH	Control Builder	Execution Environment Assignment is slow in R501
1-BLT8HC9	Control Builder	R510.2 Post-Migration issue, connections report export is now missing from Control Builder.
1-9QEJWAV	Control Builder	AutomaticDST causes logon failure on Server B every 15 minutes.
1-BXDUESJ	Control Builder	Control Builder Crashed a number of times while comparing parameters for CM.
1-BWS921N	Control Builder	Yellow triangle not present when it should be and missing blocks and wires after CM load.
1-BBMTATI	Control Builder	During import of a User Defined Tag the modeattrref parameter is not propagating correctly.
1-AZ5N8A1	Control Builder	Control Module connection is missing for the IO Refer Module on the station display Control Builder-Change Parent.
1-B4EIPDB	Control Builder-Bulk Build	Bulk Configuration Tools - Bulk Edit Parameters does not work with EntityName or Item Name.
1-C8TGEF6	Control Builder-Bulk Build/Edit	Create Bulk Edit doesn't read/write the SCM/RCM parameter OP [1].SRCEXP.
1-B9UA5K2	Control Builder-Chart	R510-control builder crash when doing general CB operation in chart.
1-BT281CD	Control Builder-Chart	R510-control builder crash when doing general CB operation in chart (1-B9UA5K2 continuation).
1-C5PJ6SL	Control Builder-Change Parent	Change parent of an instance between the parent User Defined Tag takes long time when in containment.
1-C2HCF8P	Control Builder-Change Parent	New function blocks that are added as part of a change parent do not inherit correct name.

PAR	Function	Description
1-C7DM6Z7	Control Builder-Configuration Form	96 IO Channel Support.
1-C8DFBPU	Control Builder-Listview	Empty Value for various parameters in the listview when CPM is checked into Qualification and Version Control System (QVCS).
1-BU46T8X	Control Builder-Load/Upload/Update	When we do a upload/update from UOC then control conformation is automatically checked in CMs.
1-B8YKL5R	Control Builder-Load/Upload/Update	SCAN resident server parameters as template defined creates yellow triangle after upload/update.
1-5TFXQ85	Control Builder-System Repository	SR slowness in LRPC calls resulted CDA DATA disconnects & LOV
1-AGM0ZFX	Control Builder-Tree	Control builder crashes every time when closing after installing latest R500.2 SP4 and QB2.
1-CBMQUUQ	ControlEdge UOC-Platform	UOC crash detection code must ignore condition when the platform is shutting down.
1-BXSPWI9	Control Functions - Batch	Loss of Batch Event alarms keep arising for C200 after migrating into R510 Detail Displays.
1-BRV3BT9	Control Firewall	Modify UOC iptables configuration to avoid dropping TCP resets on CDA ports after switchover.
1-B4EAX3V	Detail Displays	In a faceplate the values for PV control time and PV control alarm are swapped.
1-BID8IZ3	EBM-Tools	Reverse expression parser removes block name from expression source string.
RELCN-2284	ELCN	Bridge Status display needs to show only local LCN's data and not remote system(s).
1-84W1C1Z	EHB_Translator	HSE Creator tool in Experion R500.1 media is not up to date.
1-BB3MJ1T	EHB_Translator	TD not applied to Z input on emulated

PAR	Function	Description
		auxiliary algorithm, and not updated on SP.
1-B5E2L21	EHB_Translator	HSE Creator Tool: In HSE_USER_IP_IOMAssignment sheet, not all "New_ChannelNumber" are assigned.
1-AXDER06	EHB_Translator	R501.2 HSE_USER_IP_IOMAssignment Issues, no dropdown option of "UIO_2" under IOMTYPE.
1-AXDEQYL	EHB_Translator	R501.2 HSE_USER_IP_IOMAssignment Issues, the "New_IOMname" is restricted to 16 characters.
1-CHWUGO5*	EtherNet/IP-CEE-EMBEDDED	EtherNet/IP device reload fails with error "IO Add Conn Failed" After Migration/Freeze and SW.
1-BOMO8KH	EtherNet/IP-CEE-EMBEDDED	Unit Operations Controller crashes when EtherNet/IP is loaded with invalid slot number.
1-B8F1TB1	EtherNet/IP-CEE-EMBEDDED	EtherNet/IP IO Add Connection Fail error is displayed while EtherNet/IP device reload/load is performed.
1-BBXBUGM*	EtherNet/IP-COMMUNICATION	After freeze and switchover, the CLX User Defined Tag tags stop communication permanently C300-EtherNet/IP direct.
1-81VFC5T*	EtherNet/IP-COMMUNICATION	EtherNet/IP armor point IO devices disconnects momentarily on UOC switchover.
1-BKZ34HV	EtherNet/IP-Tools	Turck IO hart enabled templates doesn't allow to disable hart support in library.
1-BE8UXD9	EtherNet/IP-Tools	Process Variable (PV) value is not getting scaled for custom EtherNet/IP templates, It shows zero always.
1-BD67FLD	EtherNet/IP-Tools	EIM Download Error.
1-C6H7MED*	EIM-Platform	EIM loaded with EtherNet/IP image unexpectedly crashes during normal operations.

PAR	Function	Description
1-BE5W4YB	Fieldbus Interface Module-Series C	FIM8 UFC100-L2 module HWREV should be incremented.
1-BX3SLT1	IEC61850 interface	IED connection is not stable between Experion PKS and RTU RC500.
1-BVYJQTL	IEC61850_Tools	PKS R501.2 Unable to import SEL *.CID file into Controlbuilder.
1-AXF5Z3Z	I/O-Series C	UIO-1 run time hard failures FPGA error.
1-C8PP8CX	IXP-Import Export	Export UI to support selection lists.
1-C8XHI21	IXP-Import Export	Suppressing repeated (3-4) High Volume False Positive Errors in IXP.
1-BGG9OOL	PROFIBUS Gateway Module (PGM)	Turck 2.0.4 Extension not operating.
1-BS3DPUV*	Profibus Interface Modules	Primary PGM failed with 03A9 and switched over to the redundant partner during runtime.
1-BXVDKLH	Software	Primary EAM in a redundant configuratin fails every few days.
1-BPTPL8R*	UOC-SERIES-A	UOC freeze and switchover is failing with Series HART AI module loaded.
* Requires firmware to be updated.		

## 7.1.4 Servers and Stations

PAR	Function	Description
1-CCSYRV7	Experion Station-Faceplate	A script error message indicating Overflow error for AlarmLimitsTPS.js may occur.
1-4BDGJ8F	Experion Station-Faceplate	Standard R430 sysdtltpsdiagcomp_fp.htm does not focus OP (output) when the OP is selected from IKB/OEP.
1-C14L0I5	HMIWeb Display Builder	Bulk upgrade of embedded shape fails when huge number of displays are selected at one shot
1-AVV5UKJ	HMIWeb Solution Pack	Issue with two context menus pulled up on top of each other on popup using

PAR	Function	Description
		solution pack shapes
1-BKAAXXJ	HMIWeb Station	Rapid display invocations may result in orphaned display remaining unclosed in SafeView
1-BX539WD	HMIWeb Station	Station with Operator Touch Panel enabled may stop responding during periods of high alarm activity and Group Policy updates or rapid page call-up.
1-BRK2QDR	HMIWeb Station	Station may inadvertently disconnect after increasing the KeepAliveTimeout up to 30 seconds.
1-BQVKMK3	HMIWeb Station	Flex station not retaining last safeview graphic after server failover
1-B43UJYZ	HMIWeb Station	Control buttons on the Touch Panel remain enabled when Native window is selected
1-9YDYT9D	HMIWeb Station	Group trend display first faceplate misalignment
1-8ZXZ4UB	HMIWeb Station	Zoom to fit requires selection twice to maximize the screen
1-BWSFP3R	HMIWeb Station - Collaboration Station	When invoking displays in SafeView, all windows blink
1-BL0SY6B	HMIWeb Station - General	Station may stop responding and terminate with an error during extended use in situations where a network disruption occurs during operator actions.
1-B9RQ56R	HMIWeb Station - Trend	HSCStationWindows may terminate with an error when moving the reference line on a trend.
1-B310HSB	HMIWeb TPN Details	Maximizing and minimizing for many times a group window, the range reference of all tags shift down.
1-BE2EHU3	HMIWeb TPN Details	TPS TAG REGCTL POSPROP EPKS station Detail display issue for TPS point.
1-BYB3FMZ	Procedure Explorer	Procedure Explorer not able to draw a certain sequence structure

PAR	Function	Description
1-CBFAI37	PROFINET Embedded	Profinet task does not start after the command 'become primary'
1-87CC91R	QVCS	The QVCS version comparison report does not scroll when the navigate arrow is clicked.
1-CDA79OL	QVCS	QVCS comparison error for templates.
1-BFS2OKB	QVCS	QVCS does not work correctly when using a one way trust with domain security.
1-BLSR725	ReferenceBlock-Tools	MAJOR ERROR: Block Type Migration Fail IXPtool.exe:bt_ixpcmn.cpp:1017: (IXP_ERDB) IOREFERENCES:AIREF
1-AYFDKQ8	ReferenceBlock-Tools	AO reference blocks is accepting OP from more than one PID.
1-9EXKUOZ	Safeview	Negative MAXPOS y-position value causes window mis-positioning
1-AEGHOUF	Safeview	When recall for the third time a minimized window such as alarm summary, that page appear overlapped
1-BXQZ94X	Safeview	Safeview may cause Station to become unresponsive
1-BURYB99	Safeview	SafeView may crash on Prior Display invocation, when command line is large.
1-AYQ3ZC1	Safeview	Station displays may invoke to wrong screen when quickly changing focus after invocation.
1-CB6BHNB	Server - Alarm/event	Double clicking a system alarm from the Network tree on a console station shows the error "No details available"
1-BV8RGAL	Server - Alarm/event	When a column is filtered in the alarm summary, there is not enough indication that the column is filtered
1-BU9SN5Z	Server - Alarm/event	The Station memory usage may increase while changing selection in activity table which could eventually lead to a non responsive station



PAR	Function	Description
1-BN6LKU5	Server - Alarm/event	Alarms may not be transferred to the backup server location when the servers in the primary server location are not synchronized
1-AXCJEOT	Server - Alarm/event	Generating lots of TPS SOEs may cause the diagnostic log file to be filled with messages which may make it difficult to diagnose other non-related issues using the diagnostic log file
1-BU0PORJ	Server - Console Station	In rare cases, values may stop updating after changing pages if displays have more than 500 remote parameters (either Distributed System Architecture (DSA) or Supervisory Control and Data Acquisition (SCADA) viewed on console station)
1-BRGAV5V	Server - Console Station	Station Access page of the operator gets disabled if "Permitted to edit collaboration station menus" option is enabled
1-A4D7G2T	Server - Displays - General	Context menus and toolbars showing pictures with pink background
1-BPXX05J	Server - DSA and Point Servers	UCM, RCM and SCM points on an R51x DSA publisher cannot be discovered from a DSA subscribing server on a pre-R51x release.
1-AZDUM2T	Server - DSA and Point Servers	On rare occasions after migration, the CDA chart tab is blank on some console stations
1-8MHRJLR	Server - Engineering	Template should have a mandatory display element with the name ' Name' .
1-BCOEE0I	Server - History/trending	On rare occasions, a gap in a trend can occur when a history archive is read at the same time as it is created.
1-BPE936D	Server - Installation and Migration	System files version and date are various on several R501.4 nodes.
1-BXOJ1FI	Server - Open Platform Communication clients and servers	On an Open Platform Communication UA SCADA connection reconnect, values can stop updating if Open Platform Communication UA Server

PAR	Function	Description
		monitored items capacity is exceeded
1-AZ168OH	Server - other or unknown	Quick Builder is not displaying equation of Algo 20 after point upload or server bckbld.
1-BXRIKHZ	Server - Scanning Subsystem	Status points with non-consecutive bits can occasionally show incorrect values.
1-BVYL8Q5	Server - TPS Integration	Server log flooding messages caused by built-in system displays.
1-BNPRZfZ	TPNServer	TPN Server repeatedly goes to failed state on primary ESVT. Same behavior observed on B.
1-AQHKXCX	TPNServer	Modes allowed on Experion station detail display are not being limited by the \$MODESEL parameter.
1-5TXPTFP	TPNServer	\$MODESEL parameter does not limit the allowed modes in Experion.
1-9FOG3BX	TPNServer	With change to summer time PC and TDC time are right but EPKS Alarm and Events are 1 hour ahead.
1-BNPRZfZ	TPNServer	TPN Server repeatedly goes to failed state when certain string is exactly 42 chars.
1-A1QNENT	Experion TPS Infrastructure	When the ELCN System Management Data Servers (both ELCN Local Server and ELCN Remote Server) are configured As "Local Component" in the HCI configuration, these component entries are getting copied to all other nodes in the network.
1-913W9VV	Enhanced TPS Node	Enhanced TPS nodes are extremely sluggish as observed during emulated Disk Related operations.
1-9R6J23Z	Enhanced TPS Node	On a R501.1ES-T node, the LCNP Status Applet shows card type as "K4LCN_8MW" for a LCNP4e2 type board.

## 7.2 Resolved PARs in Experion R511.2

[Installation and Migration resolved PARs](#)

[Common Components resolved PARs](#)

[Controllers and Tools resolved PARs](#)

[Servers and Stations resolved PARs](#)

[Documentation](#)

## 7.2.1 Installation and Migration

PAR	Function	Description
1-B5M4KUJ	On-Process Migration Tool	Experion On-Process Migration not able to reach dual primary if batch activities in progress.

## 7.2.2 Common components

PAR	Function	Description
1-9L7N7TP	Network-FTE	PCDI communicating with SM report conn. Failure and data loss frequently with UOC.
1-5X96F9U	Signon Manager	New ACS Card Readers do not function with Multi-Factor Authentication or Signon Manager.

## 7.2.3 Controllers and Tools

PAR	Function	Description
1-BK81NTT	Bristol Babcock OpenBSI Interface	OpenBSI does not log invalid signals or inconsistent signal names.
1-B091WH1	Configuration Studio	Quick Builder fails to export 'A3Name' attribute for non-consecutive bit OP of a status point.
1-AIIE35D	Control Builder	PA is seen instead of SPARE, while, changing channel type setting of any assigned channel.
1-B4EtherNet/IPDB	Control Builder-Bulk Build	Bulk Configuration Tools - Bulk Edit Parameters does not work with EntityName or Item Name.
1-B0S6TON	Control Builder-Chart	Control Builder crash when printing the Control Modules to PDF.

PAR	Function	Description
1-B2IEAC9	Displays - Trend	System Group Trend missing the trend Legend information after migration.
1-6WOK7XT	EtherNet/IP-Tools	EtherNet/IP devices are communicating through EIM without valid license.
RELCNTN-1347	ELCN Appliance	Ethernet Input buffer loss in a Possibility of specific error condition resulting in Node Isolation.
RELCNTN-980	ELCN T-nodes	Difference in behavior of LCN and ELCN nodes while accessing Nil pointer.
1-AW5MEYT	GDA - Points	Generic Data Access Server can sometimes grow in memory and cause DSA or Console Station disconnects.
1-9VONJNH	Notification Management	For FSC or Safety Manager channels, CONNECT and READ timeout settings are not exported for the Redundant Port with a Port Type of RedundantLANVendor.
1-5OJ0H9R	PGM	Input Data Base Cycle Changed alarm reported for PGM.
1-B3Q3E0T	Configuration Studio	For FSC or Safety Manager channels, CONNECT and READ timeout settings are not exported for the Redundant Port with a Port Type of RedundantLANVendor.
1-AJFHYJ7	TPS Interface	On a system with no TPS connection, the system status tree shows an LCN branch in the tree.
1-ASFD89D	TPS Interface	Each time a TPS alarm is raised, Experion performs a single read for EUDESC parameter which may cause congestion issues on large systems.
1-AYW92JZ	TPS Interface	Points built to represent ELCN system management dashboard are being counted as licensed

PAR	Function	Description
		SCADA points which may prevent building of SCADA points.

## 7.2.4 Servers and Stations

PAR	Function	Description
1-REFW8P	Experion Station-GUS Display	Remote GUS display status in Server and client machine is red and blinking.
1-B83M7DH	Experion Station-Integrated Keyboard	New 2019 model of the IKB keyboard (USB-IKB 2.0) is not working after disconnecting and reconnecting to the same node.
1-AL5ED5N	HMIWeb Station	Incorrect value for SP on faceplate.
1-AJ881SR	HMIWeb Station	Toolbar directory (i.e STB file) in Station does not accept relative paths.
1-B4843KB	HMIWeb Station - Display Elements	Selected alphanumeric becomes blue background.
1-B8D7QAV	HMIWeb Station - Displays	Station detail display of custom data block shows incorrect value when configured as INT32 type.
1-B3TH8O8	HMIWeb Station - General	Web link with ? inside works from IE but not from EST Station
1-BC4KFQ3	HMIWeb Station - Operator Touch Panel	OTP link selection appears sluggish.
1-B3TH8NZ	HMIWeb Station - Operator Touch Panel	OEP switching to OTP even when fix for PAR 1-8R4BE9X is installed.
1-5HO4FVZ	HMIWeb Station - Trend	Current value and reference value disappear from the trend if the value exceeds 9 digits.
1-BEQEVK5	Redundancy - Server	An aborted On-Process Migration can leave flags set that then stops future synchronisation attempts.
1-B6KYA7X	Station Limits Trend	When zooming in and out on the limit trend using the mouse wheel, a script error is seen in Station.
1-BG1I32P	Server - Alarm/ event	Event Log on Server Failover in BCC System incorrect.

PAR	Function	Description
1-B88UU4P	Server - Display Subsystem	DSPLY exe crashed in EST which caused station LOV. Refer Description.
1-ACQIRWB	Server - Open Platform Communication clients and servers	Open Platform Communication report does not show the Open Platform Communication client name when SetClientName() is not called.
1-9ZLMSZL	Server - Batch Unit Timeline	Unit Timeline Now card empty and timeline bars many not appear if ICPP used to invoke batch Phases.
1-B220RW7	Server - Batch Unit Timeline	Unit Time Line shows 'connection lost' for longer than expected on C300 switchover.
1-B5PSZ89	Server - Open Platform Communication clients and servers	Where GDAQuality comes from for CEJ.
1-BL6NPRN	Server - SCADA Interfaces	Open Platform Communication Status point when using non consecutive bits stay inverse when after receiving bad quality data.
1-B3TC6GT	Server - Displays - SCADA Controllers	SCADA controllers status of remote DSA server are showing "UNKNOWN".
1-AIH09A7	Server - TPS Integration	Enhanced Universal control network (OUTIND=REVERSE issue).
1-B5LPVLB	Server - TPS Integration	TPS unit mapping becomes "Not Mapped" after the On-Process Migration to R501.2.
1-B5RCS7V	Server - TPS Integration	WDT 193 alarm, measures.exe unexpectedly terminating. UCNW parameter returns '0'
1-B5549NT	Server - TPS Interface	Error encountered when downloading EHPPM platform Blocks Server point validation fails.
1-AT47VT1	Server - Alarm/ event	Missing Unshelve Event during Unshelve of a RTN Shelved alarm.
1-B3LWBK1	Station Callouts	Callout in Group Trends not aligned with parameter.

PAR	Function	Description
1-A1SKL8N	Station Collaboration	Restrict editing and exiting of Collaboration Station.
1-B7KW8X5	Station Notification Presentation	If the Alarm summary or a process graphic containing an alarm table is left open for a number of days, the Station Window process may consume a large amount of system memory causing the display to close.
1-APEZVG5	Station Operator Touch Panel	Improvements to on screen OEP touch behaviour.
1-AV9MHEW	Station Operator Touch Panel	Radio buttons on sysdtlflaga_fp and sysdtldevctla_fp faceplates have poor visibility when shown in dark theme.

### 7.2.5 Documentation

PAR	Function	Description
1-A6BLJG3	UTC Media	XPS files delivered with R510 UTC media have few formatting issues.
1-AXU7AYX	PDF Collection	CM display version number after import CM that had 'Enable Basic Version control' checkbox checked.
1-AVQMZ6V	Software Configuration Management - Phoenix	Mismatch in the ERDB Build version for R501.4 501.1-39.225 - > 501.1-39.229.
1-9990QN5	Scenario- Based EMUG	CTools fails to open from base release server A when server B is in migrated state.
1-8Q4II19	Software Install and Upgrade Guide	Standard documentation did not seem to include workflow for classic ESVT node to ELCN migration.

## 7.3 Resolved PARs in Experion R511.1

[Installation and Migration resolved PARs](#)

[Common Components resolved PARs](#)

[Controllers and Tools resolved PARs](#)

[Servers and Stations resolved PARs](#)

### 7.3.1 Installation and Migration

PAR	Function	Description
1-9X4QTK5	Fieldbus Interface Module	Config MTL F809F-Plus_0301 Diagnostics module through DTM all Devices Block in the FIM Goes to RED.
1-447BR3F	INS-Experion Installer	[IV]Experion_Update_Manager.exe has stopped working msg appeared during cleanR431.2 R3 installation.
1-AAIXS1L	On-Process Migration Tool	Honeywell engineering Tools installation fails due to impossibility to connect to ERDB.

### 7.3.2 Common components

PAR	Function	Description
1-43HBRXV	Experion TPS Infrastructure	[PCUS] After upgrading PCUS to R431.2, LCN addresses become 0.
1-5HLSY0B	Software Configuration Management	[PKG-QT] STAC-FDM package missing from Install DVD-2. Found during C5 TP2 PKG QT.
1-9217LHT	System Management	Cannot connect to HCI-based Open Platform Communication servers on Experion R510 B17.
1-A1NNRN9	Table View	Single Step & Safe Step Button not available while using Table View .

### 7.3.3 Controllers and Tools

PAR	Function	Description
1-B54ANSF	CEUOC-Platform	[UOC] HSR/PRP LAN ID Error Soft Failure must clear automatically when they stop.



PAR	Function	Description
1-AVPKAUR	CF-Control Function	C300 Greater than or Equal Block Output Error.
1-AXGO70D	CF-Control Function	PIDER block in Man mode, after OP windup recovered but remain ARWOP status fails to return to normal.
1-BDYBLVP	Checkpoint	Broken C300 peer to peer connections are not detected by the Snapview tool in R5xx.
1-BH9J109	CEUOC-Platform	Function blocks and IOs executing in UOC freeze for 6 Seconds during UOC switchover.
1-LH4MXJ	Control Builder	[M&I] Phase Block with empty library name is getting created & resulting in IXP errors on migration to R410.
1-AXCR12B	Control Builder	The CM/SCM opening in control builder takes almost 10sec in both project and monitoring side.
1-AY7BUVN	Control Builder	Changing the position of CM1 within the containing CM (CM2) causes a delta flag on CM1.
1-B2EGSOB	Control Builder	MAP block accessing PP show incorrect cross-references.
1-B60WMF5	Control Builder	User Defined Tag PP has changed and imported to another server but has connection error.
1-B7HFTJG	Control Builder	When importing instances from a User Defined Tag which contains a SCM, the SCMs do not get assigned CEE.
1-B7LLQ8Z	Control Builder	CM open faster on R430.4 after Migration to R501.2 It taking more than 1 hr open the chart.
1-B9UA5K2	Control Builder-Chart	R510-control builder crash when doing general CB operation in chart.
1-BA5YL3H	Control Builder-Chart	Display with procops shapes causes freezes when sequence is

PAR	Function	Description
		in HOLD state.
1-6ASKHK5	Control Builder-Configuration Form	[SFT] Control Builder/Station hangs while navigating to DO status tab in Monitoring View.
1-B29LIUP	Control Builder-Load/Upload/Update	Unspecific (fatal) download error 10139, ERR Load FAILED.
1-8NC55WO	Configuration Studio	QBDB migration failed if the database is locked for maintenance.
1-3FSWFYF	Configuration Studio	It is not possible to name scada RTU as EMDb Asset.
1-97S8B35	Configuration Studio	Quick Builder does not support localization of Duplicate, Copy/Paste features.
1-5U2NF9X	Configuration Studio	PV history assignment corrupted when uploading or importing into Quick Builder.
1-B1V6ZJX	Configuration Studio	Quick builder throws "unable to parse project" error when reading controller integration files.
1-B5OQXMZ	CTools	EHPM gets bricked if a CB Block exists for EHPM and if we upgrade firmware.
1-A7KFAVD	Detail Displays	Experion R510.1 Flaga_fp shows strange numerical object.
1-AAJGZFB	Dialogs	Quick builder filter on points shows incorrect data when a concurrent user downloads / uploads / Adds points.
1-B06241H	Detail Displays	Under certain station themes, faceplate elements have poor visibility on Operator Touch Panel.
1-7JXC6Z9	EBM-Controller	Need to be able to recover after Phase block communication errors
1-A29JSOI	EBM-Controller	Elements can be missing from Unit Timeline & PE after console station or non-redundant server

PAR	Function	Description
		reboot
1-PK1QJ5	EBM-Controller	CR stays in "Acquiring Resource" after issuing START to it after Circular OPM of C300.
1-B0VNNVR	EHPM_Control	LOC EHPM COMM crashes if bad point type.
1-96E4ICX	EtherNet/IP-CEE-EMBEDDED	Experion R500.2 C300 on-process migration failure occurs when using (EtherNet/IP Driver) PF755 Channel in CM.
1-B7HB31L	EtherNet/IP-Tools	Cant download a Genric EtherNet/IP device when the generic device is checked in.
1-B83ACR3	EtherNet/IP-Tools	C300 EIM ControlLogix User Defiened Tag do not accept - 32768 as input for a 16 bit integer.
1-BB8U4XC	EtherNet/IP-Tools	R510.1 C300 EIM ControlLogix User Defiened Tag do not accept - 32768 as input SCALAR User Defiened Tag.
1-BD67FLD	EtherNet/IP-Tools	EIM Download Error.
RELCNTN-1347	ELCN	Ethernet Input buffer loss in aPossibility of specific error condition resulting in Node Isolation.
RELCNTN-980	ELCN	Difference in behavior of LCN and ELCN nodes while accessing Nil pointer.
RELCNTN-816	ELCN Appliance	ELCN Appliance ELCN EHB block cannot be deleted from Project.
RELCNTN-960	ELCN Appliance	ELCN Appliance Detail display for ELCNNODE, hide "UCN#" if not node.
RELCNTN-927	ELCN Appliance	A hybrid combination of Classic EHB pair and ELCNEHB pair cannot be configured in an "Added HG" configuration. You should either have both node pairs as

PAR	Function	Description
		Classic EHB or ELCN-EHB in an "Added HG".
RELCNTN-973	ELCN Appliance	ELCN Appliance EHB node number showing wrong values at monitoring side.
RELCNTN-987	ELCN Appliance	ELCN Appliance Non-redundant ELCN-EHB configured on the VEP crashes during stable run.
RELCNTN-489	ELCN T-Node	LCNP status shows OK OK even after killing LCNPemulator.exe
RELCNTN-976	ELCN T-Node	[Stability] Few of the nodes in LSTF were showing LOCAL in CLOKSTAT.
RELCNTN-991	ELCN T-Node	UET: LCNP version of EST cannot access ELCN STS Dashboard data like an ELCN version.
1-B10V7FB	ELCN T-Node	On an LCNP4 based ES-T (non-ELCN) some processes that should only run on an ELCN node incorrectly start up and then terminate unexpectedly which may degrade system performance.
1-B5JBPC3	Experion TPS Integration	ELCN T Nodes(510.2 only) don't autoloading when rebooting machine & LCNP stuck in 00-Not Config (Subsystem: Experion TPS Integration).
RELCNTN-623	ELCN System Management	On the Experion System Management Dashboard, the NIM faceplate shows the Device Checkpoint parameter's value incorrectly and also changing the value from the faceplate may not have any impact on the parameter.
1-AXC97KF	ELCN System Management	Viewing the LCN Status dashboard on an LCNP4 based ES-T (non-ELCN) shows all the dashboard shapes with bad

PAR	Function	Description
		status.
1-B2FXYGZ	ELCN System Management	History collection enable/disable option is not available for HM nodes on the detail display.
1-B2FGFK7	ELCN System Management	Redundant Node Primary FTE Index may show incorrectly in status pane for redundant LCN Nodes.
1-89KASZV	Fieldbus Library Manager	Smartline ST800FF Dev's - 4 - issue importing the DD files in Experion PKS R311.2 - Control builder crashes.
1-A29OLAP	IEC870 Interface	"IEC60870 Point Server" Service does not start automatically.
1-85YZ8I2	IEC870 Interface	IEC870 SQL database not migrated.
1-B0SBKC9	IEC61850 interface	IEC 61850 configuration file importing/loading take too much time.
1-3GAHYYS	I/O-Series C	Series C DO channels are not following default settings for initialization.
1-3I90BL7	I/O-Series C	HART information is not getting updated for WIKA transmitters when connected to SCIO.
1-5S2EVPM	I/O-Series C	Series C AI module state changes from Run to Idle on its own.
1-9MCOB71	ModBus TCP Infrastructure	C300 PCDI needs to handle split packets response from the Modbus TCP device.
1-479NUAX	Profibus Interface Modules	After PGM RRR Siemens ET200M DSB going to configured state.
1-A59ZM2D	Profibus Interface Modules	In DPV1 tab, "DPV1SLOTNUM" entry should support 0-254 as per profibus standard.
1-1275R3B	Profibus Interface Modules	After Network disconnect & connect all the output channel

PAR	Function	Description
		status went to Bad_NonSpecific.
1-9V9Y7CT	Profibus Interface Modules	PB links, DSB and PBHIOMB are grayed out after enable/Disable sync & Switchover test.
1-3UBSPIL	PGM	PGM On-Process Migration fails if NVS failure exists. Compact NVS prior to On-Process Migration.
1-9FVYEUD	ReferenceBlock-Tools	Change Parent does not work for a standard CM User Defined Tag.
1-B63DFTT	ReferenceBlock-Tools	I/O channel simulation is not working in R510.1.
1-9CGRENF	SCM-Sequential Control Module	LOC Having a controller issue the SCM is not working properly due to peer memory issue.
1-B539NQ9	SCM-Sequential Control Module	An Alias of string parameter in SCM shows communication error.
1-8ZCFEI9	Standard Series C- I/O Module	Low Level Analog Input module channels value goes to NaN during stable run when it connects over FOE.
1-AV9MHEW	Station Operator Touch Panel	Radio buttons on sysdtlflaga_fp and sysdtldevctla_fp faceplates have poor visibility when shown in dark theme.
1-BHAX3OJ	UEA	FM R110.8 is able to flash firmware on Primary UEA ELCN node when status threw an error In Control.

### 7.3.4 Servers and Stations

PAR	Function	Description
1-9SB90E7	Detail Displays	Detail display for NORSOK blocks in station give Stack over flow pop up message.
1-81OJKSL	HMIWeb Station	Alphanumeric with Enable Parameter Format does not work as expected.

PAR	Function	Description
1-9ZEOLSZ	HMIWeb Station	Metafile printing prints visible part of display only.
1-A1LNDJT	HMIWeb Station - Collaboration Station	Collaboration Station windows does not retain the position or size configured in previous session.
1-B6TVZ6D	HMIWeb Station - General	Slow response time on Console Stations after migration to R510.1.
1-B85JIZF	HMIWeb TPN Details	Rapid display invocations of tabbed displays may lead to orphaned/non-closed displays (1-8WQVMLB).
1-BD5BCS1	Honeywell Communications Interface	Tags intermittently dropping comm between TDC Application node to Experion Server via Open Platform Communication Gateway.
1-9AYK3OB	Procedure Explorer	Pinch to Zoom is not implemented for OTP.
1-9S2B9FH	Qualification and Version Control System (QVCS)	Unable to delete UDT's which are in QVCS & gives error as The object is referenced by another object.
1-AEGHOUF	Safeview	When recall for the third time, a minimized window such as alarm summary, the page appears overlapped.
1-AYN94AB	Safeview	Station Command Window not Always-On-Top when configured as such in SafeView.
1-B31LYSX	Safeview	WDL items became case sensitive, thus causes non proper display closing and hence orphaned displays.
1-B3V3UY9	Safeview	AppFind does not work well when using Safeview borderless windows.
1-B7RA1M3	Safeview	SafeView titlebar visibility issues for Microsoft Apps such as MSPaint, Winword, Excel, Word.

PAR	Function	Description
1-BA5YL3Q	Safeview	Safeview classic mode suppresses SaveAs dialog for MS office apps.
1-BIZR9PV	Safeview	SafeView Orion icons may flash when moving mouse.
1-4CINRJ3	Server - Alarm/ event	Console Station re-alarmed when a cleared alarm is unsolved.
1-7Q18HVF	Server - Alarm/ event	Analog Tags go to BAD PV at the same time.
1-7XG5D27	Server - Alarm/ event	The confirm input pin for message type control block in control builder not working.
1-B6VJER3	Server - Alarm/ event	station.Application object is not detecting currentpointID from alarm summary.
1-B9SV97V	Server - Alarm/ event	Alarm Shelving Dialogue does not display the correct shelving reasons causing shelving failure.
1-BE3UUSZ	Server - Alarm/ event	SOR for Events not working on R500.1 HS System.
1-BN6LKU5	Server - Alarm/ event	Alarms may not be transferred to the BCC when the MCC servers are not synchronized.
1-A282BWV	Server - System Status	Station failure alarm for the flex station is not suppressed when system alarms are in suppressed mode.
1-A1LRR37	Server - Batch Unit Timeline	Procedures and Unit Procedures will not appear in Timeline if Operation invokes a Phase in a sub-asset.
1-A1KQ8UV	Server - Batch Unit Timeline	Unit Timeline Past and Future minute configuration for Operators is applied reversed.
1-A27XV7L	Server - Batch Unit Timeline	Reference Batch reports are not available for selection in Unit Timeline if a procedural element in it has a tag name longer than 30 characters.



PAR	Function	Description
1-BJKYWCX	Server - Console Station	The point detail display and associated display command not working from the event summary display.
1-A2CEOCH	Server - SCADA Interfaces	DNP3 communication fails for 15 mins and re-establish on Server failover.
1-9X13M17	Server - SCADA Interfaces	Bristol Babcock Network Scan Task does not function .
1-9ZFGMVD	Server - Electronic Flow Measurement	Configuring Liquid meter run leads in Alarms Event collection failure for Gas meter in Experion DNP3.
1-BCOEE0I	Server - History/trending	On rare occasions, a gap in a trend can occur when a history archive is read at the same time as it.
1-B5Z9YQL	Server - Installation and Migration	R501.2 SP3 Security tab display reverted the functionality of Minimum security level required.
1-8MI5ABH	Server - other or unknown	Appliance nodes are missing FTE status in their composite shape on the dashboard.
1-8NZM0Y9	Server - other or unknown	Command error status is not appearing in the dashboard for UCN nodes .
1-8NZOAQ5	Server - other or unknown	Auxiliary error status is not appearing for UCN nodes in the dashboard .
1-97I45FN	Server - other or unknown	UCN nodes on the dashboard are not displaying the FTE node in the composite menu.
1-B4VKOPB	Server - SCADA Interfaces	Moore APACS channel with more than 1 controller would fail to scan data properly.
1-B4VB5BN	Server - Scanning Subsystem	Algo 10 stops working after point download.

## SPECIAL CONSIDERATIONS

### 8.1 IPSec Memory Leak

When IPSec is used in the UOC it is important to ensure that all intended communication paths to external nodes have corresponding IPSec policies configured in the UOC. This affects all outgoing traffic, but control-related traffic that is initiated by the local module is most susceptible (e.g. parameter connectors). The policy can be an Encrypted or Cleartext policy as appropriate, but a policy must be configured for the expected traffic. If communication is attempted to an external node without a locally configured IPSec policy then progressive memory would leak which can lead to module reboot.

### 8.2 Server Migration

During Experion R511.3 installation, If you observe any delay, press ALT+TAB key for any pop-up window with an error message which seeks an acknowledgement. Acknowledging the error message ensures the installation is resumed.

### 8.3 Microsoft Silverlight

Support for Microsoft Silverlight will end soon. Experion components that use Silverlight are being updated to use newer technologies. The following Experion components were using Silverlight and are temporarily disabled in the Experion R511.3 release.

- Alarm Tracker.
- Alarm Suppression Status Display.
- Alarm Help Pop-up (note that the Alarm Help tab on the alarm summary details pane is still available).
- Experion Operational Application Displays.

### 8.4 Maintenance lock while Upgrade and Migration

Before performing an upgrade or migration to R511.3, ensure that the maintenance lock is removed. Attempting an upgrade or migration with the Maintenance lock On might cause an upgrade/migration failure.

To determine whether the Maintenance lock is applied on your system, perform the following:

1. Launch Configuration Studio on ServerB.
2. Navigate to **Control Strategy > Administer the Control Strategy Database**.
3. On the DbAdmin Window, navigate to **DbAdmin > Server Node > ERDB Active Locks**.
4. If the Maintenance lock is applied, the entry "DB Locked" will be visible on the right pane under Object name .

To remove the maintenance lock, perform the following:

1. Launch Configuration Studio on Server B.
2. Navigate to **Control Strategy > Administer the Control Strategy Database**.
3. On the launched DbAdmin window, navigate to **DbAdmin > Server Node > ERDB Admin Tasks** and exercise the Unlock Database option on the right pane.

## 8.5 IEC61850 Server Migration

If in prior release, Experion server is configured with default path and migrates to R511.3 custom installed path, it shows as “unconfigured” in station for IEC61850 file replication record. After migration IEC61850 file replication record, it does not pick the custom installed path. Delete the record of IEC61850 which shows as “unconfigured” and create new record. It picks the correct Custom installed path.

## 8.6 Quick Builder Migration

After a failover operation to Server A, the Quick Builder migration wizard appears for database migration though it was already migrated when Server B was primary. When the Quick Builder migration wizard appears in Server A, follow on-screen instructions to complete the migration. Upon successful completion, click Finish to use Quick Builder.

Occasionally, when Quick Builder is launched after a server migration or upgrade, Quick Builder fails to migrate with the error "Migration Failed". Quick Builder migration should be performed by a member of Product Administrator group, if not, the Quick Builder migration fails during on-process migration. For further assistance on Quick Builder migration, contact Migration CoE and/or GTAC.

## 8.7 ELCN Database Import Utility

After importing the ENIM database content into ERDB using the ELCN Database Import utility, it is recommended to use the ELCN Import Utility Validator tool to ensure that the imported data is correct. The tool needs to be run before loading the points to EHPM from the Control Builder. Contact GTAC or Migration CoE for getting access to the tool..

It is recommended to use Control Builder for modifications / additions / removal of EHPM points.

## 8.8 EHPM Points Import into ERDB

Starting with Experion R511.3, for Automatic EHPM points to ERDB to work, TPS File Transfer service needs to be running on the ESVTB. Note that the 'Experion PKS EHPM Autoimport Service' also needs to be running on the ESVTB as earlier.

Starting with Experion R511.3, for importing the EHPM points to ERDB manually, use ELCN Database Import Utility. ImportEHPMWizard should no longer be used for the manual EHPM points import.

## 8.9 ELCN Import Utility Validator tool

Beginning with Experion R511.3, the tool 'ELCN Import Utility Validator' is available to compare the values of different parameters between Control Builder and Native Window for the imported points. Run this ELCN Import Utility validator tool to ensure the correctness of data in Control Builder for the EHPM points imported using the ELCN Database Import Utility. After the tool is run, based on its comparison report, manually correct any discrepancy in the values in the Control Builder. It is recommended to run this tool before loading any imported EHPM points to EHPM controller. For more information on this tool and its usage instructions, contact GTAC and/or Migration COE.

## 8.10 Peer connections to NIM-resident parameters are not supported if the associated points exist in Control Builder

In Experion R511.3, writing to NIM-resident parameters of the EHPM Points which are imported to Control Builder, through the CMs and SCMs in CEE nodes, configured newly is not supported. For the list of NIM-resident parameters, see "Residence" field for each parameter in the *HPM Parameter Reference Dictionary*. For example, Alarm Priorities.

This exception does not apply to EHPM TPS-only points which are not imported to Control Builder and are configured using the CDA-SP connections. In Experion R511.4 and later, writes to NIM-resident parameters of the EHPM points which are imported to Control Builder is supported.

## KNOWN ISSUES

This chapter provides the information about the Experion issues and workarounds.

**ATTENTION**

Experion R511.3 Software Change Notice reflects only Product Anomaly Reports (PARs) with priority severity position 2.1 and above.

**NOTE**

Some of the ELCN issues in this section are tagged with *RELCN-  
<unique identifier>/RELCNTN-  
<unique identifier>* indicating that they are tracked in JIRA database as opposed to PARs in Siebel database.

- [Installation and Migration](#)
- [Common components](#)
- [Controllers and Tools](#)
- [Servers and Stations](#)

## 9.1 Installation and Migration

PAR	Function	Description
1-9AA0Q6Z	Control Builder - Fieldbus	<p><b>Error Induction:</b> FF Device import failed during DBMigration showing "No category defined for parameter VERSION".</p> <p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. Import FF DD files from different vendors to database and ensure basic functionality works fine.</li> <li>2. Assign I/O reference blocks for migration.</li> <li>3. Perform R500.2 to R510.1 C1 TP4 server B migration.</li> <li>4. Observation is DBMigration wizard</li> </ol>

PAR	Function	Description
		<p>plugin fails to migrate with " Some blocks failed to import error.</p> <p>IXP error log shows: (IXP_ERDB) CDXDEFXml:</p> <p>:FormParamCategoryMap: No category defined for parameter VERSION (IXP)(DP): bt_ixpcmn.cpp 1373 Error in Reading XML file (IXP)(DP): bt_ixpcmn.cpp 1299 Definition/CriteriaDefinition [0]/DEFXMLUpdateCriteria.</p> <p><b>Recovery:</b> Since the issue is with the TRANSDUCER block, the modified DEF XML which is attached in the Siebel can be replaced with the existing DEF XML in the system.</p> <p>Follow the below steps to replace the DEF XML.</p> <ol style="list-style-type: none"> <li>1. Open Command prompt in Administrator mode.</li> <li>2. Go to C:\temp\EIM-CONTROLS.DCM-FF-D_0101\EIM-CONTROLS.DCM-FF-D_0101.TRANSDUCER_22C0\2. Replace the TRANSDUCER_22C0.DEF.XML with the file attached in Siebel.</li> <li>3. Go to the registry Key HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Honeywell\ProgramData\Engineering Tools\IXPort\BlockTypeImport. Note down the current value and replace it with 1.</li> <li>4. Run ixptool ip "C:\temp\ EIM-CONTROLS.DCM-FF-D_0101\ EIM-CONTROLS.DCM-FF-D_0101.TRANSDUCER_22C0\</li> </ol>

PAR	Function	Description
		<p>TRANSDUCER_22C0.DEF.XML" command. The import will be completed successfully.</p> <p>5. Replace the registry key value with original value.</p> <p><b>Workaround:</b> If there are no instances of the FF template 'EIM-CONTROLS.DCM-FF-D_0101', the template can be deleted from the pre-migrated database before performing the database migration.</p> <p>This will ensure there is no failure during database migration. If there are instances of the FF template, follow the recovery procedure.</p>
1-B8HDST5	Control Builder - Fieldbus	<p><b>Error Induction:</b> GE_SVI_0202 Device Can't able to put CAS Mode.</p> <p><b>Description:</b> Created one close loop (AI+PID +AO). But AO Block Never going to CAS Mode.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> This is device specific issue, do not have any workaround.</p>
1-BT97N8T	Control Builder - Fieldbus	<p><b>Error Induction:</b> Error "Encountered an improper argument" window starts popping up.</p> <p><b>Description:</b> For Fieldbus device ABB_LMT200, in monitoring tree, navigate to "ROOTMENU_LABEL-&gt;Diagnostics-&gt;Waveform" and hover the mouse pointer on graphs, error "Encountered an improper argument" window starts popping up.</p> <p><b>Recovery:</b> This requires to end the contbldr.exe from taskbar.</p> <p><b>Workaround:</b> None.</p>
1-BAUOXVR	Control Builder - Fieldbus	<p><b>Error Indication:</b> "Communication error caused built-in to fail "and Method gets aborted.</p> <p><b>Description:</b> TEMPERATURE_C_8</p>

PAR	Function	Description
		<p><b>Block Methods:</b></p> <ol style="list-style-type: none"> <li>1. Executing following methods Showing "communication error caused builtin to fail "and Method gets aborted. "Set O/S", "Set MAN", "Sensor1 Probe Setup", "Sensor2 Probe Setup", "CJC Type Setup", "Reset Trim" "Sensor 1 Match Setup", "Sensor 2 Match Setup" and "Recover Sensor".</li> <li>2. Executing "Sensor 1 Trim" and "Sensor 2 Trim" methods, throws error "A DDS Error has Occurred" and method gets aborted.</li> </ol> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Execute methods in FDM.</p>
1-CQW3CKB	EBM-Controller	<p><b>Error Induction:</b> Execution of batch fails if batch was created prior to controller migration .</p> <p><b>Description:</b> If there are batches created prior to controller migration and they are in Pre-Execution, then execution of these batches post migration will go to Failed state.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Remove pre-execution batch and create a new a batch after controller migration.</p> <ul style="list-style-type: none"> <li>• Do not perform controller OPM while Batches created from Master Recipe, they are in Pre-Execution stage.</li> <li>• For the Batches created from Master Recipe and if they are kept in Pre-Execution stage before Controller OPM, these Batches cannot be started and executed post Controller OPM.</li> </ul>
1-CFMQKR9	EBM-Tools	<p><b>Description:</b> DB has taken 9 days 13 Hours 16 minutes.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use the import functionality to get the Expression strings re-parsed.</p>



PAR	Function	Description
1-BZHMC1X	ELCN Server/ ELCN Remote Server	<p><b>Error Description:</b> ELCN remote OPC server stopped working. A popup message appears while migrating EST.</p> <p><b>Description:</b> During migration EST, from R432.2 HF8 to R511.3 Rev3, and with OS change. A popup message appears "Experion ELCN Remote OPC Server stopped working" at step "ELCN Node". In this case, migration is not affected.</p> <p><b>Recovery:</b> Press the 'OK' button on the error pop-up.</p> <p><b>Workaround:</b> None.</p>
1-AW9MR7J	GCL	<p><b>Error Description:</b> During migration at restore control strategies step a pop might me shown with title IXPTool.</p> <p><b>Description:</b> While migrating ESVT-B, during restore control strategy step, IXP crash Pop-Up appear, and by clicking on "Close the program" option on that pop-up, it proceeded with rest of the migration.</p> <p><b>Recovery:</b> Close IXPTool pop up as it will not hinder the Migration process and the Migration as expected.</p> <p><b>Workaround:</b> Not applicable as we are able to recover the system in an ongoing process.</p>
1-6FVAF00	Installation ESIS	<p><b>Error Description 1:</b> Some Installation or migration steps fail and the number of steps for installation\migration are very less as compared to the general number of steps.</p> <p><b>Error Description 2:</b> During the migration of FTE systems, the Summary page of DialogManager shows the network as "None" for Supervisory and EPN networks. If this is ignored, the FTE driver does not get installed on the system which might lead to installation and functional issues.</p> <p><b>Description:</b> This issue is observed when the user clicks the "Next" button on the</p>

PAR	Function	Description
		<p>DialogManager screens without waiting for the dialog to load completely which leads to loss in information required for install.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Ensure that the complete dialog is loaded before click on Next on each dialog boxes and start the Installation\Migration.</p>
1-BZU6UUT	INS-Experion Installer	<p><b>Error Description:</b> A message box implying “experionpks_update_manager.exe has stopped working” appears during updates step.</p> <p><b>Description:</b> The experion update manager executable crashes while it is being terminated after the step completion.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Click on “Close the program” and the migration resumes.</p>
1-CEDROND	INS-Experion Installer	<p><b>Error Description 1:</b> Some Installation or migration steps fail and the number of steps for installation\migration are very less as compared to the general number of steps.</p> <p><b>Error Description 2:</b> During the migration of FTE systems, the Summary page of dialogmanager shows the network as "None" for Supervisory and EPN networks. If this is ignored, the FTE driver does not get installed on the system which might lead to installation and functional issues.</p> <p><b>Description:</b> This issue is observed when the user clicks the "Next" button on the DialogManager screens without waiting for the dialog to load completely which leads to loss in information required for install.</p> <p><b>Recovery:</b> None.</p>

PAR	Function	Description
		<p><b>Workaround:</b> The user needs to start the installation\migration again by ensuring that the complete dialog is loaded before they click on "Next" on each dialog.</p>
1-BMICR5V	INS-Experion Installer	<p><b>Error Description:</b> 'System Configuration' step takes more time than what install sequencer shows.</p> <p><b>Description:</b> This is observed in case of migrations on Process Server n7 nodes where the time taken for the step is indicated as 20s but as database operations are being performed as a part of this step it might take 2-5 hours based on the database size. Hence, the user is suggested to wait till the step completes.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-CDVC37N	INS-Experion Installer	<p><b>Error Description:</b> As a rare occurrence, during OPM "Experion wrapper stopped working" is seen at updates step.</p> <p><b>Description:</b> During migration to R511.3, at the Updates step, you may be prompted with an error message "Experion_wrapper.exe has stopped working". If you come across this error, perform the following procedure.</p> <p><b>Recovery:</b></p> <ol style="list-style-type: none"> <li>1. Click <b>Close the program</b>. An error message "experionpks_update_manager.exe has stopped working" appears.</li> <li>2. Click <b>Close the program</b>.</li> <li>3. The Migration Display shows an error "Step task returned a non-zero value", click OK to abort the installation.</li> <li>4. Restart the migration by executing the command "&lt;Software path&gt;\Honeywell\Experion PKS\Install\hwinstallsequencer.exe"</li> </ol>

PAR	Function	Description
		<p>with administrator privileges.</p> <p><b>Workaround:</b> None.</p>
1-B66VU9X	Profit Loop Assistant	<p><b>Error Indication:</b> Issue observed in redundant server node.</p> <p><b>Description:</b> Error appears while migrating from R500.2 to R511.2 during the "Restore ProfitLoop Data".</p> <p><b>Recovery:</b> Acknowledge the error pop-up and proceed. Without acknowledging the error it gets struck in that step during Server migration.</p> <p><b>Workaround:</b> None.</p>
1-CL5MDQR	On-Process Migration Tool	<p><b>Description:</b> Migration fails if Maintenance lock is enabled while Upgrade or Migration. The failure occurs at the Restore Control Strategy step or at the System Configuration step. The upgrade will fail towards the end.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Remove the Maintenance lock before commencing Migration / Upgrade. The steps to check for existence of Maintenance lock and on how to unlock are provided in the Special Consideration section.</p>
1-B660SZF	System Management	<p><b>Error Description:</b> Sometimes the Experion PKS R511.1 Migration without OS change fails during Experion Uninstallation step and halts the installation.</p> <p><b>Description:</b> The migration of ELCN HM and EST failed at Experion Uninstall step, showing "failed from maintenance tool" error.</p> <p><b>Recovery:</b> Perform a Reboot of the node and after reboot restart the Experion PKS installation.</p> <p><b>Workaround:</b> None.</p>

## 9.2 Common Components

PAR	Function	Description
1-4K5UHS7	Experion - TPS Infrastructure	<p><b>Description:</b> Mode is not changing from group display in station for TPS Faceplates in EST for Windows 10 operating system.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-2RSW5C4	Network-Equipment and Support	<p><b>Error Indication:</b> The presence of a Honeywell Read-Only Firewall (51154727-200) in an Experion Network can generate a “Firewall RX Latched Alarm”, if Modbus traffic does not pass through the firewall. If Read-Only Modbus traffic is not present, the alarm will persist.</p> <p><b>Description:</b> Modbus Read-Only Firewall RX Latched alarm is generated until actual Modbus requests are made. If you look at the statistics for the uplink port on the MBTF RO, the RX Octets truly are not updating. Even though there are obviously some reads going on since the statistics data is being collected, this may be caused by the parameter being sent up to WMI which may be the wrong value.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> To eliminate the alarm, be sure Read-Only Modbus traffic is passing through the firewall. If traffic is removed, the alarm will reoccur. If no RO traffic is generated/expected, use the HMTF (read-write firewall) or remove the firewall completely.</p>
1-BL0X317	Network-FTE	<p><b>Error Indication:</b> Read/Write connection failure alarms.</p> <p><b>Description:</b> Yellow Switch Power Recovery may cause momentary failed read/write connections to ESV</p>

PAR	Function	Description
		<p>OPC/TPN/DSA.</p> <p><b>Recovery:</b> Automatically recovers as network comes fully back online.</p> <p><b>Workaround:</b> None.</p>
1-4T1DB5N	Signon Manager	<p><b>Error Indication:</b> Signon Manager does not provide correct access.</p> <p><b>Description:</b> Signon Manager does not provide correct access when the PC Universal Station is used both locally and remotely.</p> <p><b>Recovery:</b> Use the PC Universal Station either locally or remotely, but not in both modes.</p> <p><b>Workaround:</b> If the PC Universal Station is to be used locally, then it is to only be used locally; if the PCUS is to be used remotely, then it is to only be used remotely. Setting up a PCUS to be used both locally and remotely is not currently supported.</p>
1-B1YONAD	Qualification and Version Control System (QVCS)	<p><b>Error Indication:</b> None.</p> <p><b>Description:</b> No error is displayed that non QVCS strategies are getting deleted.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-B37FK6L	QVCS for Display	<p><b>Error Indication:</b> Apply Label operation gives "Object Locked" error when Multi user Control Builder operations are in progress.</p> <p><b>Description:</b> When multiple users are simultaneously using QVCS and performing bulk QVCS operations and one of the user performs a Apply Label operation, the user might hit this issue.</p> <p><b>Recovery:</b> Press cancel to come back to the QVCS query window.</p> <p><b>Workaround:</b> Retry the Apply label operation again.</p>

## 9.3 Controllers and Tools

PAR	Function	Description
1-AS0CK0B	CF- Control Functions	<p><b>Error Indication:</b> The HB block does not obey the ""Force disable transition low"" (FDL) command when in Lathced mode of operation.</p> <p><b>Description:</b> The HB block does not obey the ""Force disable transition low"" (FDL) command when in Lathced mode of operation. Even when FDL is ON, it allows the output (Y) to be changed to OFF. This behavior is observed in both Auto/manual mode.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-BL7UXDV	Control Builder	<p><b>Error Indication:</b> Block type import failed for the IEC61850 Logical node (IELNODE) templates of specific vendor device when instances of the specific IELNODE exists. The Logical nodes affected are FLTMSTA0_E2_33_LIB1 and FLTMSTA0_F_36_LIB1 which belongs to the devices ABB REF615_LD0 and ABB REF620A_LD0 respectively.</p> <p><b>Description:</b> With the existence of above mentioned IELNODE instances in the database, migrating to any newer releases cause Database Migation failure with below error message, "EXPKS_E_ERR_CL_DUPL_ PARAMCODE (4L .101.9051) Not allowed to change Parameter code of the CEE loadable Parameter".</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Export the instances of ABB REF615 and ABB REF620A device instances along with corresponding IELNODEs and delete the configuration from monitoring and project then perform migration. Once migration is successful, the exported strategy instances can be imported back and loaded. The Issue is with the logical node blocks which is device specific custom templates. FLTMSTA0_E2_33_LIB1FLTMSTA0_F_36_LIB1As a workaround you can delete these blocks before installation of R511.2.</p>
1-8R3OZRR	Control Builder	<p><b>Error Indication:</b> During ADC workflow, the Configure Device step fails with the &lt;Error&gt;.</p>

PAR	Function	Description
		<p><b>Description:</b> The above error might be observed when there is simultaneous execution of HART Point Parameter Access functionality on the same Experion cluster where ADC was executed.</p> <p><b>Recovery:</b> The recovery mechanism will be to close all the internal clients (Displays/Trend/History/Open Platform Communication(OPC) Clients) which performs HART Point Parameter Access functionality. Then after considerable wait time of 10 minutes, perform the ADC workflow.</p> <p><b>Workaround:</b> The ADC workflow needs to be performed when there is no HART Point Parameter Access functionality in usage in an Experion cluster.</p>
1-C5VLXHR	Control Builder	<p><b>Error Indication:</b> When attempt to perform Load operations Control Builder crashes. This crash happens when the container CM have custom blocks in it.</p> <p><b>Description:</b> Loading the Custom block strategies to already loaded C300 in Containment view is making Control Builder Not responding and finally Control Builder Crash.</p> <p><b>Recovery:</b> Reopen control builder and remove if any active locks. Reload the strategies Again.</p> <p><b>Workaround:</b> Switch to Assignment view and load the Custom block strategies.</p>
1-B306D7V	Control Builder - Automated Device Commissioning	<p><b>Error Indication:</b> Control Migration fails for controllers having Control Edge PLC point connection.</p> <p><b>Description:</b> During Controller On-Process Migration (OPM) or freeze and switchover of Experion controllers, checkpoint rebuild might fail with "Failed to construct relative path error." due to the presence of Control Edge PLC points in the controller.</p> <p><b>Recovery:</b> Work with TAC before the Server migration starts.</p> <p><b>Workaround:</b> None.</p>
1-4SZ9242	Control Builder- Configuration Form	<p><b>Error Indication:</b> This error is seen upon executing the below mentioned steps.</p> <ol style="list-style-type: none"> <li>1. Configure C300 controller along with UIO1 or</li> </ol>



PAR	Function	Description
		<p>UIO-2 or DO module.</p> <ol style="list-style-type: none"> <li>2. Configure few channels as DO channel from spare channel.</li> <li>3. Configure CM and drag DOREF blocks to it. Refer DO channels to REF block.</li> <li>4. Expose onpulse or offpulse or PWM block pin to DOREF block and keep DO type as a "Status".</li> <li>5. Click OK.</li> </ol> <p><b>Description:</b> No validation error prompted for onpulse, offpulse and PWM when DOTYPE=Status and DOREF blocks used. Also, reproducible with UIO-1 and Series C DO module.</p> <p><b>Recovery:</b> Change the parameter value and try again.</p> <p><b>Workaround:</b> None.</p>
1-4V5Q9HJ	Control Builder-Configuration Form	<p><b>Error Indication:</b></p> <ol style="list-style-type: none"> <li>1. Loaded C300 and loaded the strategies belongs to C300.</li> <li>2. Activated all the strategies in monitoring side. To test RRR set the CEE STATE option in C300 CEE as WARMSTART. Then for all the CMs started setting the CEERESTART option as "followCEE". It was observed that we are able to set it for few CMs (6-8 CMs) but when we set for 9/10th CM CB crashes. This is seen every time when we run this test.</li> </ol> <p><b>Description:</b> Control Builder crashes when CEERESTART is set in the CMs.</p> <p><b>Recovery:</b> Re-launch Control Builder.</p> <p><b>Workaround:</b> None.</p>
1-8HFAR5J	Control Builder-Load	<p><b>Error Indication:</b> No error will be thrown to user but there can be broken connections in the CM either receiving incorrect signals or not receiving signals from the corresponding function block.</p> <p><b>Description:</b> Refer document Broken Connection Issue Scenarios ALL.docx to know the scenarios in which Broken connection issue can happen.</p>

PAR	Function	Description
		<p><b>Recovery:</b> User can recover from the issue by downloading all the referred Control modules (Sequential Control Module (SCMs), Recipe Control Modules (RCMs)) which have connections to the modified control module.</p> <p><b>Workaround:</b> Whenever user performs any of the specified operations as mentioned in document Broken Connection Issue Scenarios ALL.docx, User has to load the modified CM along with all the referred CM /SCM's to avoid broken connection issue. FINDTAGSTOLOAD.exe tool can be used after performing engineering operations like import export, change parent, deletion of blocks etc. in order to know the list of CM's that needs to be loaded in order to avoid broken connection.</p>
1-4KSJ8TD	Control Builder-Load/Upload/Update	<p><b>Error Indication:</b> Control builder tree view shows incorrect CM Name against the channel in Monitoring side even though CM is not loaded.</p> <p><b>Description:</b> When CM and channels are loaded together, if CM load fails due to some reason, then I/O channels which got loaded successfully to monitoring side show the CM name in the tree view and in the form which they were associated to. But since CM's are not loaded successfully it should not display the CMname against the Channels.</p> <p><b>Recovery:</b> Reload the CM which had failed earlier.</p> <p><b>Workaround:</b> None.</p>
1-BS4A99Z	Control Builder-Load/Upload/Update	<p><b>Error Indication:</b> Not Allowed to enable HART on loaded channel.</p> <p><b>Description:</b> Users should be able to Enable HART on a channel (loaded) without deleting from monitoring and without impacting control.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-68IJJAB	Control Builder-Load/Upload/Update	<p><b>Error Indication:</b> Upload and update to project fails with an error "Overwriting loaded blocks is not allowed in systems using Fieldbus" for reference blocks configured with channels.</p> <p><b>Description:</b> Upload and update to project fails with an error "Overwriting loaded blocks is not allowed in</p>

PAR	Function	Description
		<p>systems using Fieldbus” for reference blocks configured with channels. This behavior is seen in AI, AO, DI, DO reference blocks configured with corresponding channels.</p> <p><b>Recovery:</b> Perform UploadUpdate operation on the I/O module itself such that monitoring side changes gets updated to Project side.</p> <p><b>Workaround:</b> To prevent from this situation, use Upload/Update on IOM.</p>
1-BS2BNLZ	Control Builder-Load/Upload/Update	<p><b>Error Indication1:</b> Condition check threw the error and NOCLL attribute not being set. Load is not with lot of CDA SyncWrite errors.</p> <p><b>Error Indication2:</b> Error message is displayed when the controller is in an error state. Value of the parameter that holds the version info would not be fetched.</p> <p><b>Description:</b> Not able to load channels after late binding.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-7XL0LV1	Control Builder-Upload	<p><b>Error Indication:</b> Upload/update to project causes \$Activity to be added in ERDB strategy table as NON_ERDB_POINT_PARAMS.</p> <p><b>Description:</b> After upload/update operation on Recipe Control Module (RCM) or opening the RCM config form on monitoring side cause insertion of \$Activity strategy in startegy table.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Run ECC checker Script# 41 [Ghost Non CEE references ].</p>
1-BQXLZQP	Control Builder-Print	<p><b>Error Indication:</b> When printing a chart from Control Builder Monitoring tab, the printout, in the output file, printer or print preview may include elements from the Project tab instead of the Monitoring tab.</p> <p><b>Description:</b> Some timing issue is believed to be at the root cause of this issue.</p> <p><b>Recovery:</b> No recovery is necessary as no persistent side effect results from printing incorrect or incomplete information.</p>

PAR	Function	Description
		<b>Workaround:</b> One possible workaround, if acceptable, is to make the selection of the parameters on function blocks the same regardless of whether the chart is the Project or Monitoring tab chart.
1-BB53RCH	CF- Control Functions	<p><b>Error Indication:</b> The restart flags can become ON after Load/Re-Load.</p> <p><b>Description:</b> The Restart flags in the block ( CMActiveFICEEColdFICEEWarm FICEESwitchFI ) are not initialized to OFF post-load. Thus they get initialized to a random garbage value. Thus appear ON post load/Re-load. This is a Day-1 issue. Not reproduce on -demand. Probability of the occurrence of the issue is more , when there are multiple blocks loaded in the same CM and there are around many such CM's present in the system.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-AY3G963	Control Functions-Continuous	<p><b>Error Indication:</b> Simatic modules connected to Profibus Interface Module does not update values in CM loaded in C200E/UOC.</p> <p><b>Description:</b> Simatic modules connected to Profibus Interface Module does not update values in CM loaded in C200E/UOC.</p> <p><b>Recovery:</b> Delete the Simatic I/O blocks and use generic I/O channel blocks instead to get process values.</p> <p><b>Workaround:</b> Use Generic I/O channel blocks instead of Simatic channels to get basic process data.</p>
1-B2EABBH	Control Functions-Continuous	<p><b>Error Indication:</b> When the rate of change of the selected inputs is greater than the 'Rate of bumpless rate' (PVRATE) then there is deviation.</p> <p><b>Description:</b> The current functionality limits the rate at which the PV can change. If the newly selected input starts moving quickly while the ramp is active, this movement does not make it to the SIGNALSEL.PV output.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Set PVRATE = Nan.</p>

PAR	Function	Description
1-6SDDS6R	Control Library	<p><b>Error Indication:</b> Database query execution error on saving EtherNet/IP template/phase block/map block.</p> <p><b>Description:</b> The issue is a Database query execution is reported when user try to modify existing parameter and save the template. The occurs due to update query which send the duplicate ParamID for updating the parameter.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-AUHJAWD	Control Builder	<p><b>Error Indication:</b> Control Builder Crashes often during Runtime.</p> <p><b>Description:</b> Control Builder crash issue can be observed sometimes when control builder is left open overnight.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Clear the logs if any strategies are opened in monitoring side then Relaunch it. Please close the Control builder when the Operations are done and then Launch it whenever required."</p>
1-A9LTVF1	Control Builder	<p><b>Error Indication:</b> The User Defined Template of a DEVCTL block cannot be created with modified parameters.</p> <p><b>Description:</b> When the User Defined Template is attempted to be created for a DEVCTL block, the configuration form is displayed. After modifying the parameters if the 'OK' button is clicked the below error is observed.(CB) EXPKS_E_FBNOCOMMITFORMFORDB1 (1L .101.12330) Configuration cannot be saved because of the following:19-May-19 17:46:58.5642 This operation is not valid at this level for a parent-defined element.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-9PMMA5N	Control Builder	<p><b>Error Indication:</b> QVCS Revert Operation of a Block reverts/modifies dependent block but the version number of the dependent block doesn't get changed.</p> <p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. Assign a Channel/IOPOINT to an IOModule</li> </ol>

PAR	Function	Description
		<p>say IOM1 and check in the IOM1 (Version 1) and create one more IOModule IOM2 and check in the IOM2 (Version 1).</p> <ol style="list-style-type: none"> <li>Now checkout both IOMs IOM1 and IOM2 and move the Channel/IOPOINT from IOM1 to IOM2 and check in both the IOM1 (Version 2) and IOM2 (Version 2).</li> <li>Now perform Revert operation on IOM1; Now IOPOINT/Channel moved from IOM2 to IOM1 and the version of IOM1 changed to Version 1. So IOM2 also reverted to Version 1 state but the version number of IOM2 doesn't get changed. It is still in Version 2 which is not correct.</li> </ol> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-9T3EBSR	Control Builder-Automated Device Commissioning	<p><b>Error Indication:</b> Device Rename failed for E+H_Cerabar S.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use handheld device or FDM application to rename the device.</p>
1-50QTM84	Control Builder-Configuration Form	<p><b>Error Indication:</b> There is no specific steps to arrive at this issue.</p> <p><b>Description:</b> Database query execution error dialog box is shown in few scenarios occasionally.</p> <p><b>Recovery:</b> Retry the operation. If the problem still exists, please close control builder and try again.</p> <p><b>Workaround:</b> None.</p>
1-B45A1A0	Control Firewall	<p><b>Error Indication:</b> ""RX Dropped"" parameter for Uplink Port in Statistics Window shows non-zero value.</p> <p><b>Description:</b> The ""RX Dropped"" Parameter indicates the number of packets which are discarded due to Network conditions.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-BYJRBH7	Control Firewall	<p><b>Error Indication:</b> C300 Offnet notification.</p>

PAR	Function	Description
		<p><b>Description:</b> Approximately 2-12 hours after a yellow switch power down, a C300 may go offnet. At this point loss of view to C300 and C300 peer control occurs. C300 local control continues. Offnet condition can last from 5 seconds to 6 minutes.</p> <p><b>Recovery:</b> Automatic, restoring view and control.</p> <p><b>Workaround:</b> Do not leave switch powered off or not repaired for long period of time.</p>
1-CCBUNRL	DDManager	<p><b>Error Indication:</b> The imported HART device name is not listed in HCFGDEV parameter combo box.</p> <p><b>Description:</b> After deleting few existing HART templates from controlbuilder, Importing of HART DDs through DDManager results in failure to show the imported device in HCFGDEV parameter of HART channel.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Delete all the available HART templates and import all back will resolve this issue.</p>
1-C8XN4IN	EBM-Controller	<p><b>Error Indication:</b> Formula parameters on recipe steps that are references mistakenly show as adjustable.</p> <p><b>Description:</b> The Batch Parameters UI (seen in Batch Summary and Procedure Explorer details pane) mistakenly shows formula parameters that are references as adjustable. If the operator tries to write to them an error is returned.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Select the 'display adjustable parameters' option on all recipe steps and reload the recipe.</p>
1-CC0YJ3B	EBM-Controller	<p><b>Error Indication:</b> Exception command does not propagate to child when it becomes active after acquiring equipment.</p> <p><b>Description:</b> When a Batch B waiting for a resource from another Batch A is commanded to Hold, Batch B continues to execute its Main Handler before moving to the Hold handler.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Do not command a Batch to Hold,</p>

PAR	Function	Description
		when it is waiting for resources to be acquired.
1- CPSQBVD	EBM-Controller	<p><b>Error Indication:</b> Event Report of the Batch do not contains the correct Report parameter values.</p> <p><b>Description:</b> Report parameter values of the Recipe used for Batch creation are not updated with the values written from step expressions when Lookahead is enabled and if Procedure Explorer is invoked.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use the Report values from lower level Recipe of the Batch or Execute the Batch without invoking Procedure Explorer.</p>
1- CFA40WN	EBM-Controller	<p><b>Error Indication:</b> Navigation to a child procedural element is disabled. The batch will stuck at run-time when the batch execute the path with the child procedural element on.</p> <p><b>Description:</b> After drill down in Procedure Explore while "Create and Retain Batch Elements" is enabled, a child procedural element is created with pre-exec state. The child procedural element can be navigated from Procedure Explorer at this point. However, the child procedural element will not be recreated when the child procedural element is manually deleted, or child procedural element is deleted due to its execution environment transition from Running to IDLE.</p> <p><b>Recovery:</b> Remove the current batch and create a new batch.</p> <p><b>Workaround:</b> None.</p>
1- C7H42YP	EBM-Controller	<p><b>Error Indication:</b> Batch execution goes with the Function Reference based on the initial Unit selection done during LookAhead.</p> <p><b>Description:</b> Equipment does not get associated as per Function Reference if the Unit Selection is modified in a PreExecution Batch, after performing a LookAhead.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-	EBM-Controller	<p><b>Error Indication:</b> Range exceeded error throwing</p>



PAR	Function	Description
C9MO58F		<p>while loading batch strategy if we modify Enum parameters in CBT.</p> <p><b>Description:</b> Range exceeded error throwing while loading batch strategy if we modify Enum parameters in CBT type. Create any Recipe step add some enumeration sets &amp; assign this recipe to any Sequential Control Module (SCM)/Recipe Control Module (RCM)/Multi Recipe (MR) as Data block .if user modify or add new enumeration parameter in existing enum set then load error is throwing.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-COI8J91	EBM-Controller	<p><b>Error Indication:</b> Batch execution halts with communication error.</p> <p><b>Description:</b> With LookAhead enabled, and if an Activity associated with the lower layer(s) are removed manually using Detail Display, Batch execution halts at that step.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use Single Step to skip the recipe step associated with the removed Activity, to continue with Batch execution.</p>
1-B6YPO47	EBM-Tools	<p><b>Error Indication:</b> No error is reported, just a visual delta flag appears on the Project side tree in Control Builder.</p> <p><b>Description:</b> There is no description for this error. It is only a visual cosmetic anomaly.</p> <p><b>Recovery:</b> The engineering data configuration remains intact, it is only a visible cosmetic anomaly so there is no need for any recovery.</p> <p><b>Workaround:</b> None.</p>
1-C76Q4QF	EBM-Tools	<p><b>Error Indication:</b> Change Parent of Datablock of MRT deletes the datablock of revoked MVR.</p> <p><b>Description:</b> When user performs a change parent of the datablock of a MR UDT, the changes are not expected to propagate to any MR instances that are revoked as part of an MVR set. The changes are expected to propagate only to the Current/Latest</p>

PAR	Function	Description
		<p>MVR. However we are observing that the datablock of the revoked MVR gets deleted.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-C7AT7E7	EBM-Tools	<p><b>Error Indication:</b> Copy and Paste of Step block with expressions in MRT fails if instances exist.</p> <p><b>Description:</b> Inside MR UDT, if user tries to copy and paste a step block having expressions a fatal error is thrown. This occurs only when the MR UDT has instances.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-CK6CGAF	EBM-Tools	<p><b>Error Indication:</b> MRT instantiation fails if BREF expression referring to CMUDT.Basicblock is present.</p> <p><b>Description:</b> If MR UDT is configured with a BREF expressions where the Block type is CMUDT.BasicBlock, the parsing happens without any issues, however when user tries to instantiate the MRT, an error is displayed "Cannot refer to user template."</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Remove the expression and instantiate the MRT. Now add the expression back to the MRT and force a propagation by template defining the SRCEXP of the step output.</p>
RELCNT N-1698	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> In Experion R511.3, there are two issues with respect to Time parameter as follows.</p> <p><b>Description 1:</b> In Control Builder, the duration format is not supported. Hence, the user cannot enter the date and time using duration format in Control Builder. The following are the parameters that support DATE-TIME format in Control Builder while TPN supports both DATE-TIME format and duration format:</p> <p><b>Array Point</b></p> <p>TIME</p> <p>DEVCTL</p>

PAR	Function	Description
		<p>MAINTDAT</p> <p>DIGCOMP</p> <p>MAINTDAT</p> <p>PROCMOD</p> <p>CMPLTIME</p> <p>TIME</p> <p><b>Recovery 1:</b> None.</p> <p><b>Workaround 1:</b> The TPN Base time is 1/1/1979. In Native Window, date and time entered up to 999 days from the TPN Base time will be considered as duration. If the user intends to configure the duration for the applicable point types in Control Builder, he must use the DATE-TIME format and perform the Load operation. After loading the EB file in TPN, Native Window automatically takes it up as duration for the applicable point.</p> <p>For example, if you want to configure 5 days in TPN side, enter 1/5/1979 in Control Builder.</p> <p><b>Description 2:</b> The Time parameter shows blank or incorrect value on Monitoring side of Control Builder.</p> <p><b>Recovery 2:</b> None.</p> <p><b>Workaround 2:</b> To view Time parameter details, check the Experion Station Detail Display or Point Detail Display in Native Window.</p>
RELCN-2810	ELCN	<p><b>Error Indication:</b> Wrong or missing LCN nodes on Remote/DSA ELCN Bridge detail display, Bridge Status tab.</p> <p><b>Description:</b> Invoking a remote ELCN Bridge node detail display, Bridge Status tab, for a remote ELCN over DSA will not show the actual LCN nodes connected to that remote ELCN Bridge. It will only show local LCN nodes. In other words, the ELCN Bridge's Bridge Status tab is only supported from the local system's ELCN Bridge, and not for ELCN Bridge's Bridge Status tab over DSA.</p> <p><b>Recovery:</b> Invoke any other tab on ELCN Bridge detail display and do not use Bridge Status tab for remote/DSA ELCN Bridge(s).</p>

PAR	Function	Description
		<p><b>Workaround:</b> Invoke ELCN Bridge detail display locally, for local ELCN only, to view Bridge Status tab to view nodes connected to that ELCN Bridge (s).</p>
RELCNT N-2830	ELCN System Management	<p><b>Error Indication:</b> No error indication.</p> <p><b>Description:</b> On the Experion System Status display, in the Experion System Status tree area, underneath “Controllers”, for an EHPM, it shows extra “EE” blocks shown underneath the main EHPM Controller Name. They are of the form &lt;EHPM Control Builder Block Name&gt;_EE2, &lt;EHPM Control Builder Block Name&gt;_EE3, and &lt;EHPM Control Builder Block Name&gt;_EE4.</p> <p>Also, if the EHPM database has been imported using the new “ELCN Database Import utility” for Unified Engineering Tools, the &lt;EHPM Control Builder Block Name&gt;_EE4 entry also lists the configured IOPs. As shown below, with the main EHPM controller name of EHPM_N07B05_DI169.</p> <p><b>Recovery:</b> None. A future Hotfix will resolve this extraneous “EE” information on the Experion System Status Tree.</p> <p><b>Workaround:</b> It is safe to ignore to extraneous information shown in these “EE” containers for EHPM Controllers.</p>
RELCN- 2848	ELCN	<p><b>Error Indication:</b> : Configured points of an ELCN ENIM are not listed on various Slot Summary Displays.</p> <p><b>Description:</b> On an ELCN ENIM, deleting points may cause random, but existing points to disappear from Native Window’s IOP Slot Summary Display and also affect the alarming functionality for the points that disappeared from the various Slot Summary Displays. Also, note that this can occur with NIM points and IOP points deletion and there is no relation between the point(s) that is deleted and the point(s) that disappears from the display(s). However, this does not affect control connections and process parameter access.</p> <p><b>Recovery:</b> Shut down both ELCN ENIMs of a redundant pair and re-load them using the checkpoint that was taken prior to entering this state.</p>

PAR	Function	Description
		<b>Workaround:</b> : Honeywell strongly recommends you to avoid performing point delete operation on ELCN ENIMs until a fix is made available in a future release. Also, it is strongly recommended to take a checkpoint before you perform any point deletion operation.
RELCN-2202	ELCN	<p><b>Error Indication:</b> The CEEHPM block state in EHPM platform block shows Error (Red color) on Monitoring side after loading of EHPM platform block.</p> <p><b>Description:</b> The CEEHPM block state in EHPM platform block shows Error (Red color) on Monitoring side after loading of EHPM platform block.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Reload the CEEHPM block from Project side to Monitoring side to get correct CEEHPM block state.</p>
RELCNT N-1495	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> The CEE block of EHPM /EHPM platform block displays PHASE, ORDERINCEE and ORDERINCM.</p> <p><b>Description:</b> The parameters PHASE, ORDERINCEE, and ORDERINCM are displayed for the CEE of EHPM blocks in Experion R511.3. The CEE is a dummy block for EHPM in R511.3. The CEE and the aforementioned parameters will be available in a future Experion release. In Experion R511.3, these parameters do not load to the controller and should be ignored.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
RELCNT N-1810	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> Configuration of EIPCODE with an AM Point in Control Builder returns a block name not found error.</p> <p><b>Description:</b> In Experion R511.3, only EHPM points are imported and available in the ERDB, therefore, configuring EIPCODE with an AM Point in Control Builder will return a block name not found error.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use Native Window for configuring</p>

PAR	Function	Description
		EIPCODE.
RELCNT N-1893	ELCN System Management	<p><b>Error Indication:</b> Error message function is not supported.</p> <p><b>Description:</b> Save/Restore command from dashboard is not working for Network Interface Module and Highway Gateway nodes.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use TPN Native Window to perform Save/Restore Operation.</p>
RELCNT N-1895	ELCN Experion- TPS Nodes	<p><b>Error Indication:</b> None.</p> <p><b>Description:</b> When using the Visual Studio integration, the new, optional "CL Checker" tool is crashing when trying to check specific CL files</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Do not use the optional "CL Checker" tool for such CL files, and instead just use the "CL Compile" tool which sends the CL to be compiled using the Native Window's CL compiler overlay. The existing CL compiler can then be used to further debug the syntax errors of the CL file.</p>
RELCNT N-2017	ELCN Experion- TPS Nodes	<p><b>Error Indication:</b> In Control Builder, on the Monitoring side, the option "Upload/Update To Project" is not available for EHPPM points.</p> <p><b>Description:</b> In Control Builder, on the Monitoring side, the option "Upload/Update To Project" is not available for EHPPM points. It will be available in a future Experion release.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
RELCNT N-1921	ELCN Experion- TPS Nodes	<p><b>Error Indication:</b> Control Builder becomes unresponsive when the "Load Values while Active" option is selected for PMIO channel/EHPPM points from Project side.</p> <p><b>Description:</b> In Control Builder, on the Project side, if any active loadable parameters are changed in the PMIO channel/EHPPM points that is already loaded to the Monitoring side, the "Load Values while Active" option gets enabled. If you select that option, the Control Builder becomes unresponsive.</p>

PAR	Function	Description
		<p>Therefore, it is recommended not to use this functionality in Experion R511.3. This functionality will be supported in a future Experion release.</p> <p><b>Recovery:</b> Use the 'Close' button at the top right corner to close the Control Builder.</p> <p><b>Workaround:</b> None.</p>
RELCNT N-1942	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> The CM Chart view for EHPM points is not supported in Experion R511.3.</p> <p><b>Description:</b> Only newly created EHPM points can be contained in the Control Modules to provide CM chart view, while engineering and testing on VEP systems. The EHPM points that were already present and loaded to monitoring side can not be contained in Control Modules for chart view. (that is, incase of Experion systems that were migrated from prior releases to R511.3, with EHPM points in the ERDB). Few of the EHPM parameters may not present the right pin position (Input/Output) in Block Pins tab, preventing the proper connection between the EHPM points.</p> <p>It is not recommended to use CM Chart View in an on-process system.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
RELCNT N-1881	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> The CL edit option in Process module point does not launch the Visual Studio editor for editing HPM/CL and an exception error related to the access of file/path is displayed as shown below:</p> <ul style="list-style-type: none"> <li>• The CL Edit option from Procmod point is failing with Errors.</li> <li>• The CL Compile and CL Checker Menu Options under Tools Menu are not available in Visual Studio</li> </ul> <p>An exception error related to access to file is displayed as</p>

PAR	Function	Description
		<p>Exception at ReceiveDataFromClient()System.UnauthorizedAccessException: Access to the path is denied.  at System.IO._Error.WinIOError(Int32 errorCode, String maybeFullPath)  at System.IO.Pipes.NamedPipeServerStream.Create(String fullPipeName, PipeDirection direction, Int32 maxNumberOfServerInstances, PipeTransmissionMode transmissionMode, PipeOptions options, Int32 inBufferSize, Int32 outBufferSize, PipeAccessRights rights, SECURITY_ATTRIBUTES secAttrs)  at System.IO.Pipes.NamedPipeServerStream..ctor(String pipeName, PipeDirection direction, Int32 maxNumberOfServerInstances, PipeTransmissionMode transmissionMode, PipeOptions options, Int32 inBufferSize, Int32 outBufferSize, PipeSecurity pipeSecurity, HandleInheritability inheritability, PipeAccessRights additionalAccessRights)  at System.IO.Pipes.NamedPipeServerStream..ctor(String pipeName, PipeDirection direction, Int32 maxNumberOfServerInstances, PipeTransmissionMode transmissionMode)  at tpn_CL_interface_editor.CLNamedPipeServer.ReceiveDataFromClient()</p> <p><b>Description:</b> The CL Visual Studio Extensions/plugins are not getting installed during R511.3 update.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Perform the following steps:</p> <ul style="list-style-type: none"> <li>• Login to the ES-T node using Admin rights.</li> <li>• Browse to the path "C:\Program Files (x86)\Honeywell\TPS\ELCN\" and locate the file "CLExtensionEditor.vsix".</li> <li>• Double click on the file "CLExtensionEditor.vsix" to install the CL Visual Studio Extension.</li> </ul>
RELCNT N-2126	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> Channel loading for PMIO DI-SOE fails when PVNORMAL parameter value is left blank.</p> <p><b>Description:</b> The channel loading for PMIO DI-SOE fails when PVNORMAL parameter value is left blank.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> The PVNORMAL parameter should be given the value "ON" or "OFF".</p>
RELCNT N-2106	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> For EHPM PMIO Channels, inactivating the point from Tree side Context menu will report the 'Access Denied' error. Activating the Channels will sometimes report the 'Access Denied' error when activated from Tree side Context menu for the first time.</p> <p><b>Description:</b> For EHPM PMIO Channels, inactivating the point from the Tree side Context menu will report the 'Access Denied' error. Activating the Channels will work from both Tree side and Configuration form, but sometimes it will</p>



PAR	Function	Description
		<p>show 'Access Denied' error when activated from the Tree side Context menu for the first time.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> To inactivate the channel, select the 'Point Execution State' as 'INACTIVE' from Channel Configuration form.</p> <p>To activate, retry activate from Tree side or alternatively use the Configuration form to activate by selecting 'Point Execution State' as 'ACTIVE'.</p>
RELCNT N-2116	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> When a 'Load Server Points' operation is executed from Control Builder's Monitoring side for any EHPM point, the point's status in Monitoring side goes from Green/Blue to Red after the load completes.</p> <p><b>Description:</b> To reload the point to the Experion Server database, right-click on the point and click 'Load Server Points' in Control Builder's Monitoring side. When this option is executed from Control Builder's Monitoring side for any EHPM point, the point's status in Monitoring side goes from Green/Blue to Red after the load completes.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Press F5 key with Control Builder in focus to refresh the Monitoring side view of Control Builder or close the Control Builder and re-open it.</p>
RELCNT N-2193	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> Occasionally, in Control Builder, upon import of a HPM checkpoint, the Logic Output Destination Connection is lost/empty.</p> <p><b>Description:</b> Occasionally, in Control Builder, upon import of a HPM checkpoint, the Logic Output Destination Connection is lost/empty. It is recommended to compare and verify Native Window and Control Builder configuration of EHPM points. For automated comparison and verification of points, contact GTAC and/or Migration COE.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
RELCNT N-2159	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> If loading Regulatory PV points with slot number greater than 250 from Control Builder, then once loaded, issues occur with</p>

PAR	Function	Description						
		<p>monitoring and peer-to-peer communication.</p> <p><b>Description:</b> It is not recommended to load the Regulatory PV points with slot number higher than 250 from the Control Builder, as they cannot be monitored in Control Builder.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use Native Window's Data Entity Builder (DEB) to load Regulatory PV points with slot numbers greater than 250.</p>						
RELCNT N-2154	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> For some EHPPM points, the SHEDMODE parameter's value cannot be configured as AUTO.</p> <p><b>Description:</b> : For the EHPPM points, PID, PIDERFB, PIDFF, POSPROP and RATIOCTL, the value of SHEDMODE parameter cannot be configured as AUTO in Control Builder.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use Native Window to configure the SHEDMODE parameter's value as AUTO.</p>						
RELCNT N-2138/2146	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> The parameters listed against the point types in the following table may show incorrect value on the Control Builder Monitoring side.</p> <p><b>Description:</b> The following parameters listed against the point types display incorrect values on the Control Builder Monitoring side.</p> <table><tr><th>Point Type</th><th>Parameter Names</th></tr><tr><td>DEVCTL</td><td>PGPLSWTH, SGPLSWTH, HIGHAL, HIGHALPR, MOVEPVTXT, BADPVTXT and LOGICSRC</td></tr><tr><td>DI and DO channels</td><td>S0BOXCLR and S1BOXCLR</td></tr></table> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use Native Window's Point Detail Display to view the correct values.</p>	Point Type	Parameter Names	DEVCTL	PGPLSWTH, SGPLSWTH, HIGHAL, HIGHALPR, MOVEPVTXT, BADPVTXT and LOGICSRC	DI and DO channels	S0BOXCLR and S1BOXCLR
Point Type	Parameter Names							
DEVCTL	PGPLSWTH, SGPLSWTH, HIGHAL, HIGHALPR, MOVEPVTXT, BADPVTXT and LOGICSRC							
DI and DO channels	S0BOXCLR and S1BOXCLR							

PAR	Function	Description
RELCNT N-2135	ELCN Experion- TPS Nodes	<p><b>Error Indication:</b> For all the RegPV points, on Monitoring side when PVSOURCE is selected as AUTO, then the PV value is showing blank.</p> <p><b>Description:</b> For all the RegPV points, on Monitoring side when PVSOURCE is selected as AUTO, then the PV value is showing blank . When PVSOURCE is selected as MANUAL, PV value is reading on Monitoring Side.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> To view the PV value when PVSOURCE is AUTO, use Native Window or Station Detail Display.</p>
RELCNT N-2141	ELCN Experion- TPS Nodes	<p><b>Error Indication:</b> For PMIO DI channels, the PVNORMAL parameter takes values from STATETEXT parameter instead of STATETXT.</p> <p><b>Description:</b> For PMIO DI channels, the PVNORMAL parameter takes values from STATETEXT parameter (that is associated with controllers other than EHPM) instead of taking values from STATETXT parameter (that is associated with EHPM).</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Ensure that values configured for STATETEXT parameter under Configuration tab are same as the values configured for STATETXT parameter under TPN Configuration tab.</p>
RELCNT N-2207	ELCN Experion- TPS Nodes	<p><b>Error Indication:</b> Occasionally, parameter value mismatch occurs for point parameters after importing EHPM point database using the ELCN Database Import Utility.</p> <p><b>Description:</b> Occasionally, in Control Builder, upon import of EHPM point database, parameter value mismatch occurs between the values in Control Builder and Native Window for point parameters imported using the ELCN Database Import Utility. The tool 'ELCN Import Utility Validator' is available to compare the values of different parameters between Control Builder and Native Window for the imported points. This is to ensure the correctness of data in Control Builder for the imported points. For more information on this tool and it's usage</p>

PAR	Function	Description
		<p>instructions, contact GTAC and/or Migration COE.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use the ELCN Import Utility Validator tool to compare the values of different parameters between Control Builder and Native Window for the imported points. After the tool is run, based on its comparison report, manually correct any discrepancy in the values in the Control Builder.</p>
RELCNT N-2201	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> When multiple EHPPM points are deleted from Native Window, the point status in Control Builder's Monitoring side is Blue instead of Red.</p> <p><b>Description:</b> : When multiple EHPPM points are deleted from Native Window, the point status in Control Builder's Monitoring side is Blue instead of Red. Therefore, the 'Force Delete' option is not listed as a context menu item and only 'Delete' option is available. The 'Delete' option is not applicable as the points are not available in TPN.</p> <p>Hence, these points remain in Monitoring side of ERDB.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use Control Builder for deleting points if engineering is done from Control Builder.</p>
RELCNT N-1894	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> The CL Checker application in the Microsoft Visual Studio tool lists errors for some valid PM/CL files that get compiled successfully in Native Window.</p> <p><b>Description:</b> The CL Checker application in the Visual Studio tool lists errors for some valid PM/CL files that get compiled successfully in Native Window. You may notice some inconsistencies with the output of certain PM/CL programs while using CL Checker application used with the Visual Studio plugin.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> You can safely ignore these errors and proceed with CL compilation using the CL Compile option under Tools menu in the Visual Studio tool.</p>

PAR	Function	Description
RELCNT N-2109	ELCN Experion- TPS Nodes	<p><b>Error Indication:</b> For all the REGCTL points, BADOCOPT checkbox is not applicable in the monitoring side.</p> <p><b>Description:</b> For all the REGCTL points, BADOCOPT checkbox is not applicable in the monitoring side.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use Native Window to set the value of BADOCOPT parameter.</p>
RELCNT N-2143	ELCN Experion- TPS Nodes	<p><b>Error Indication:</b> In Experion R511.3, EHPM IOM modules in Control Builder Monitoring side may not work for some parameters.</p> <p><b>Description:</b> In Experion R511.3, EHPM IOM modules in Control Builder Monitoring side may not work for the following parameters:</p> <ul style="list-style-type: none"> <li>For parameters CALIBFTA1STS and CALIBFTA2STS on LLAI or LLMUX IO Modules, error 7523 is displayed.</li> <li>For parameter FTAPRESA and DBVALID, if the FTA is present and DB status is VALID, status will be Green. If the FTA is not present and DB status is INVALID, status will be Grey instead of Red.</li> <li>The following Control Builder command operations from Monitoring side are not supported on the IO Modules. <ul style="list-style-type: none"> <li>SELECTCABELACMD</li> <li>SELECTCABELBCMD</li> <li>RESETERRORSCMD</li> <li>SWAPPRIMARYCMD</li> </ul> </li> </ul> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> To monitor the status of the IO modules and perform these command operations, use ELCN System Management dashboard.</p>
RELCNT N-2058	ELCN Experion- TPS Nodes	<p><b>Error Indication:</b> In Experion R511.3, the REGCTL points have two Monitoring view issues.</p> <p><b>Description:</b> In Experion R511.3, the REGCTL points have the following Monitoring view issues:</p> <ul style="list-style-type: none"> <li>In PID blocks, the value of RATIO is blank when AUTORAT option is selected for RBOPT and the value of BIAS is blank when AUTOBI option is selected for RBOPT.</li> <li>The Output tab does not have SAFEOP parameter for RAMPSOAK.</li> </ul>

PAR	Function	Description
		<p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Use Native Window to check the parameter value in Point Detail Display.</p>
RELCN-1779 and RELCN-1799	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> For a REGPV point type's TOTALIZER block, the \$AUTRTIM (Automatic Reset Time) field is not visible when the configuration form is opened from the Project side for the first time.</p> <p><b>Description:</b> For a REGPV point type's TOTALIZER block, the \$AUTRTIM (Automatic Reset Time) field is not visible when the configuration form is opened from the Project side for the first time.</p> <p>Also, in the \$AUTRTIM field, Day's, Hour's, Minute's entry is not visible to enter a value.</p> <div style="border: 1px solid blue; padding: 10px; margin: 10px 0;"> <p><b>NOTE</b></p> <p>TPN system does not support milliseconds but it is visible and configurable in Control Builder. However, this configuration/change is not included in EB file and load operation will be successful.</p> </div> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Perform the following procedure to configure the Automatic Reset Time option.</p> <ol style="list-style-type: none"> <li>1. From the Control Builder Project side, go to the respective block's Input tab and configure the \$AUTROPT (Automatic Reset Option) to be any value other than NONE.</li> <li>2. Click <b>OK</b> to close the configuration form.</li> <li>3. Re-open the configuration form and go to Input tab. The Automatic Reset Time field will be visible now.</li> <li>4. Place the cursor in the \$AUTRTIM field and click to enter a time value.</li> </ol>
RELCN-1709	ELCN	<p><b>Error Indication:</b> For any real parameter, if more than 7 digits are entered, loading of that point fails and will report the following error in the EF file</p>

PAR	Function	Description
		<p>generated.</p> <p><b>Description:</b> For any real parameter having input of more than 7 digits, the form changes to exponential form. This blocks the loading of the point. The process values remain the same.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-B4ZR4WY	EtherNet/IP Tools	<p><b>Error Indication:</b> While saving the Re-editing EtherNet/IP device template “EPKS_E_SAVE_PARAMIDENT_EXHAUST” error can be seen.</p> <p><b>Description:</b> If we create a EtherNet/IP Template and added huge parameters by copy and paste operation, there is a chance to get the Param code which is not in out of boundary Hence the error.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> As suggested in the Error Message only save the Template with save as Renew Option if user hits this issue.</p>
1-B5093HL	EtherNet/IP Tools	<p><b>Error Indication:</b> Getting error "InvalidEnumOrdinal" while creating EtherNet/IP channel in CM.</p> <p><b>Description:</b> User will get below error error while creating EtherNet/IP channel and save.</p> <p>“EXPKS_E_CL_INVALIDENUMORDINAL (6L .101.10209) parameter 'CM_ServoTest.MAC800_OUT_01.PNTTYPE' has an invalid enumeration ordinal ”This happens only when the template is imported from R500 release to R510/R511 release.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Create the same device in R511/R510 using EDS file and assign it, or ignore the error and proceed with further configurations.</p>
1-AXSKXCZ	EtherNet/IP-CEE Embedded	<p><b>Error Indication:</b> On CheckPoint Restore of EtherNet/IP Output modules, it is going to unpowered state.</p> <p><b>Description:</b> On CheckPoint Restore of EtherNet/IP Output devices in NoDB condition, it is going to unpowered state instead of Fail Safe value.</p>

PAR	Function	Description
		<p><b>Recovery:</b> Recovers automatically on next execution cycle to intended value.</p> <p><b>Workaround:</b> None.</p>
1-B4Q3CM3	EtherNet/IP-COMMUNICATION	<p><b>Error Indication:</b> C300-EtherNet/IP communication drops through EIM when C300 is EXP510.1-37.12 firmware and EIM is EXP511.1-40 firmware.</p> <p><b>Description:</b> If the C300 controller is in a lower version and if the Ethernet Interface Module (EIM) is in a later release, the communication of the C300 to the devices interfaced through the EIM interface will be disrupted on operations like reload of strategy or C300 switchover. This interoperability situation might arise during the Experion system migration.</p> <p><b>Recovery:</b> Flash\Upgrade\Migrate the C300 Controller to the latest firmware version. Reload the strategies that are affected.</p> <p><b>Workaround:</b> Always have the C300 controller in the latest firmware. During a Migration, always plan for migrating the C300 controller first to the target release before migrating the associated EIM.</p>
1-B7LICEN	EtherNet/IP-COMMUNICATION	<p><b>Error Indication:</b> EtherNet/IP Contro LogixTag Read Fails randomly resulting in NaN for 1-2 seconds on C300 Switchover.</p> <p><b>Description:</b> On C300 Switchover in C300 with EIM Topology, Control Logix Tags lose communication for 1-2 seconds during C300 Switchover resulting in NaN values for some of the Tag Reads. This is typically observed when Tags are configured above 50% of the Spec limit documented in EtherNet/IP User Guide.</p> <p><b>Recovery:</b> Automatically recovers after 1-2 seconds.</p> <p><b>Workaround:</b> None.</p>
1-BBBUG9	EtherNet/IP-COMMUNICATION	<p><b>Error Indication:</b> Communication with some EtherNet/IP devices may fail momentarily on disconnecting C300 from one of the FTE networks in C300- EtherNet/IP direct topology.</p> <p><b>Description:</b> Communication with some EtherNet/IP devices may fail momentarily (1 to 2 seconds) on disconnecting C300 from one of the</p>



PAR	Function	Description
		<p>FTE networks in C300- EtherNet/IP direct topology.</p> <p><b>Recovery:</b> The communication gets established automatically after 1 to 2 seconds.</p> <p><b>Workaround:</b> None.</p>
1-A2419U5	EtherNet/IP-COMMUNICATION	<p><b>Error Indication:</b> BL20 input modules get disconnected and generate Communication Failure Alarm momentarily on EIM switchover (when used with EIM topology) or C300 switchover (when used with C300 direct topology).</p> <p><b>Description:</b> BL20 input modules get disconnected and generate Communication Failure Alarm momentarily on IM switchover (when used with EIM topology) or C300 switchover (when used with C300 direct topology). The parameter “Refresh Connections on Switchover” (REFRESHCONNONSWO) has not been implemented on EIM and C300 and does not have any effect when connection to the BL20 Input I/O modules is made with C300 (either directly or through EIM).</p> <p><b>Recovery:</b> The BL20 input modules reconnects automatically after Target to Originator connection timeout and Communication Failure Alarm is returned to normal.</p> <p><b>Workaround:</b> None.</p>
1-7KMG36R	EtherNet/IP-COMMUNICATION	<p><b>Error Indication:</b> ControlLogix Tag read fails in C300 EIM topology on reloading CM containing the tag if the Control Module is the only one that contains ControlLogix tag.</p> <p><b>Description:</b> ControlLogix Tag read fails in C300 EIM topology on reloading CM containing the tag if the Control Module is the only one that contains ControlLogix tag.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-8I8YTYU	EtherNet/IP-Tools	<p><b>Error Indication:</b> During the import of any EDS file, errors may get reported for the enumeration definitions that contain negative ordinals. In some scenarios, the import may succeed. In such cases, the other engineering operations like configuration of</p>

PAR	Function	Description
		<p>instance or load of instance might fail.</p> <p><b>Description:</b> The negative ordinals in an enumeration set are not handled properly in Control Builder. The user may see some inconsistent behavior while working with such enumeration parameters.</p> <p><b>Recovery:</b> None</p> <p><b>Workaround:</b> If possible update the enumeration definition and specify ordinals that are greater than 0.</p>
1-AA9LF65	EtherNet/IP-Tools	<p><b>Error Indication:</b> While configuring EtherNet/IP generic device sometimes it may fail with error "An unexpected error was encountered".</p> <p><b>Description:</b> Create EtherNet/IP generic device without EDS file. Configure EtherNet/IP generic device, input, output and assembly. After configuration save the generic device, while saving we may encounter the "An unexpected error was encountered".</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Close and Reopen the Control builder and then, Configure and save EtherNet/IP generic device, we will not see this error.</p>
1-BWO42U6	EtherNet/IP-Tools	<p><b>Error Indication:</b> HART Port becomes inactive for few EtherNet/IP channels which are configured and loaded after restoring Incomplete checkpoint file.</p> <p><b>Description:</b> If we load any channel checkpoint file will go into incomplete state. If user use this incomplete checkpoint file for restoring those newly loaded channels HART Port becomes inactive.</p> <p><b>Recovery:</b> Reload this channel(s) again from project to monitoring side.</p> <p><b>Workaround:</b> Save the checkpoint and make it complete and use that file to restore.</p>
1-AAQV8SN	EtherNet/IP-Tools	<p><b>Error Indication:</b> The PNTTYPE parameter value is not set for some of the EtherNet/IP drives and IOs when the template is imported.</p> <p><b>Description:</b> During import of specific EtherNet/IP drives and IO an error "Parameter</p>

PAR	Function	Description
		<p>'Cmname.Blockname.PNTTYPE' has an invalid enumeration ordinal" error will be displayed.</p> <p><b>Recovery:</b> The error can be ignored as there is no functional impact.</p> <p><b>Workaround:</b> None.</p>
1-9XLD7Z3	Experion Batch Manager-Tools	<p><b>Error Indication:</b> Error is displayed is "Error parsing the XML file. The XML file is not valid or not as per schema".</p> <p><b>Description:</b> Error is seen while importing the phase block. [EBS] Unable to view an imported phase block config with enum set after import with overwrite option.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b></p> <ol style="list-style-type: none"> <li>1. Export the phase block.</li> <li>2. Rename the Exported .def.xml file with the phase block name(blockname.def.xml file).</li> <li>3. Import with overwrite.</li> </ol>
1-AXDZWLH	Experion Integration-BUILDER	<p><b>Error Indication:</b> Control Migration fails for controllers having Control Edge PLC point connection.</p> <p><b>Description:</b> During Controller OPM or freeze and switchover of Experion controllers, checkpoint rebuild might fail with "Failed to construct relative path error." due to the presence of Control Edge PLC points in the controller.</p> <p><b>Recovery:</b> Work with TAC before the Server migration starts.</p> <p><b>Workaround:</b> None.</p>
1-8NPLXTR	Field Device Service	<p><b>Error Indication:</b> The client request for HART data will fail and the status will be shown corresponding to the application. For example, when HART data Status is BAD, on displays, it will show reverse video, on trends, it will display "?????". History will show some gaps for that period. Open Platform Communication(OPC) clients will show status as BAD with an empty value.</p> <p><b>Description:</b> HART Point Parameter Access is</p>

PAR	Function	Description
		<p>subjected to slower performance when compared to Point parameter access using CDA mechanism. Experion OPC Server has connection timeout defined as 1 minute for its clients for any demand read request. If a read request is not completed within one minute, read request will time-out and fail. OPC Clients would not get data in such cases. This limitation of Experion Server has an impact on clients accessing HART data (using DD parameters) using Demand Reads.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> To avoid any application connection timeout issues, it is strongly recommended for demand read clients to access only 10 hart devices data at a time. For each device users can configure up to 10 parameters for access. Simultaneous access of more number of HART devices using demand read can cause an Application Connection time-out.</p>
1-4668IVX	Fieldbus Interface Module	<p><b>Error Indication:</b> FF device/block load may return "Invalid NMA CRL" error.</p> <p><b>Description:</b> "Invalid NMA CRL", VCR load fail error when attempting to load FF devices or CMs.</p> <p><b>Recovery:</b> FIM switchover or link inactive and active.</p> <p><b>Workaround:</b> None.</p>
1-8W8XR8T	Field Device Server	<p><b>Error Indication:</b> Configure Device step in Auto Device Commission workflow in Project Engineering Plugin in Control Builder will fail.</p> <p><b>Description:</b> "Device Configuration did not complete for &lt;TagName&gt; because Error occurred during device communication" message is show in PET plugin during configure device step. Issue is seen only for CERABAR S device.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-28C3M4F	IXP - Import Export	<p><b>Error Indication:</b> After DD import (FF\wireless) Qualification and Version Control System(QVCS) checked in strategies are Editable.</p> <p><b>Description:</b> Checked in Control modules (having</p>

PAR	Function	Description
		<p>reference to FF blocks) become editable after performing dd import of the same ff device.</p> <p><b>Recovery:</b> Close and reopen Control Builder, which will make the strategies non editable.</p> <p><b>Workaround:</b> Close and reopen Control Builder, which will make the strategies non editable.</p>
1-A1237LO	On-Process Migration- Upgrade Tool	<p><b>Error Indication:</b> On-Process Migration test fail because Primary and secondary server time is not synchronized.</p> <p><b>Description:</b> Upgrade tool reports On-Process Migration test fail because Primary and secondary server time is not synchronized on Experion PKS system with DST time enabled.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Manually check if the Primary and secondary server is synchronized.</p>
1-CKYADWP	Procedure Explorer	<p><b>Error Indication:</b> User may notice that PE shows steps from all main handlers.</p> <p><b>Description:</b> PE doesn't handle multiple main handlers correctly. If more than 1 main handler is present in the configuration, then PE uses the default handler rather than the selected handler and populates all the steps available from all main handlers.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Strategies with multiple main handlers are not supported in Procedure Explorer.</p>
1-CQ572ZJ	Procedure Explorer	<p><b>Error Indication:</b> While navigating ICPP batch, Procedure Explorer performance degrades. Among the many symptoms, the components that show navigation (tree, breadcrumb) are no longer in sync with each other, unexpected infobars appear, components stop responding, etc...</p> <p><b>Description:</b> The defect is due to Procedure Explorer going over the active data subscription limit in Server.</p> <p><b>Recovery:</b> Restarting Station and/or Procedure Explorer may allow full recovery.</p> <p><b>Workaround:</b> Avoid viewing ICPP batches while in</p>

PAR	Function	Description
		lookahead mode (View active only off) until support can be added to Procedure Explorer.
1-9RADCV9	Procedure Explorer	<p><b>Error Indication:</b> Procedural elements in abnormal states (for example, “Holding”) may not show lower level procedures in the Procedure Explorer tree.</p> <p><b>Description:</b> The Procedure Explorer tree shows the procedural elements/equipment associated with active phase blocks in the batch’s topology. Experion abnormal handlers cannot contain phase blocks and so lower level procedural elements will never be shown in the tree below procedural elements in abnormal states. Equipment will still be acquired by those procedural elements, but that equipment will not be visible in the Procedure Explorer tree.</p> <p><b>Recovery:</b></p> <ol style="list-style-type: none"> <li>1. In the Procedure Explorer, switch to the main handler and navigate to the lower level procedural elements from the phase blocks.</li> <li>2. Use the detail display chart tab to navigate to lower level procedural elements.</li> <li>3. Use the detail display table view tab to navigate to lower level procedural elements.</li> </ol> <p><b>Workaround:</b> There is currently no way to prevent this problem. This will happen whenever a procedure enters an abnormal state. You can use equipname to manual navigate to procedural element via detail display.</p>
1-AX415VR	PROFINET Embedded	<p><b>Error Indicator:</b> After switchover, some of the diagnostic alarms are getting returned to normal.</p> <p><b>Description:</b> This happens when too many alarms are reported from the same module. Internal request to get alarm on switchover fails if device is busy honoring another alarm request.</p> <p><b>Recovery:</b> To recover from this error disable and enable ALMENMBSTATE parameter on device block. Alarm will regenerate.</p> <p><b>Workaround:</b> Disable and enable ALMENMBSTATE parameter on device block. Alarm will regenerate.</p>
1-9SI1K4B	Profibus Interface	<p><b>Error Indicator:</b> DPV1 data disconnect (freeze)</p>

PAR	Function	Description
	Module	<p>observed during stable running condition.</p> <p><b>Description:</b> DPV1 data disconnect (freeze) observed during stable running condition.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Delete the HART channel block and PBHIOMB block and reload it.</p>
1-5TLOATN	System Repository	<p><b>Error Indicator:</b> Machine IP and Port number are displayed in the error log.</p> <p><b>Description:</b> Machine IP and Port number are displayed in the error log.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-BJG8UH6	System Repository	<p><b>Error Indicator:</b> SR Sync drops for physical consoles and does not recover.</p> <p><b>Description:</b> When SRDB in multiple physical consoles is deleted and SR service is started, then the SRDB doesn't build completely at times on the physical consoles and SR SYNC drops.</p> <p><b>Recovery:</b></p> <ol style="list-style-type: none"> <li>1. Stop the physical console SR service and rename the SRDB(EPKSOperationalDB.db) present in "C:\ProgramData\Honeywell\Experion PKS\SRDB\".</li> <li>2. Copy the SRDB from the backup Server node and paste it in physical console SRDB location.</li> <li>3. Restart the SR service.</li> </ol> <p><b>Workaround:</b> None.</p>
1-BMJ4UZZ	System Repository	<p><b>Error Indicator:</b> LOV is observed after the system is rebooted, on physical console displays up to 21 minutes.</p> <p><b>Description:</b> When the physical console is rebooted, the System Repository service might take some amount of time based on the size of the SRDB file to populate the SR cache and the operator might see a LOV only during this period on that particular console.</p>

PAR	Function	Description
		<p><b>Recovery:</b> LOV will recover on its own once the SR on the physical console completes the Sync.</p> <p><b>Workaround:</b> None.</p>
1-B8FR609	System Repository	<p><b>Error Indicator:</b> ServerRedundancy shows that back up SR fails to sync with Primary SR.</p> <p><b>Description:</b> CDB block type that has 750 (formula/report) parameter which internally has 12.5K parameters in total, where the size is huge has caused sync drop issue.</p> <p><b>Recovery:</b> The data size of this block type is huge and hence sometimes, sysrep.exe could not allocate the memory during sync which caused sync drop. By looking at the ERDB and both primary/secondary SR, switched over to Server B (SR and ERDB were already in sync for these CDB types), and the issue got resolved.</p> <p><b>Workaround:</b> We should try to reduce the number of parameters in CDB blocks to avoid sync drop issue.</p>
1-BXESCUX	System Repository	<p><b>Error Indication:</b> Dynamic parameter references in Custom Algorithm Block block stop working.</p> <p><b>Description:</b> Dynamic parameter references in Custom Algorithm Block block stop working when On-Process Migration is enabled.</p> <p><b>Recovery:</b> Continue the migration and once Dual primary has been obtained, the issue gets resolved.</p> <p><b>Workaround:</b> None.</p>
RELCNTN-5610	ELCN Experion-TPS Nodes	<p><b>Error Indication:</b> For the PID, PIDERFB, PIDFF, PIDPOSPR point types in EHPM REGCTL point, the KEXT parameter is disabled in Project form for a new point and for an imported point.</p> <p><b>Description:</b> For the PID, PIDERFB, PIDFF, PIDPOSPR point types in EHPM REGCTL point, the KEXT parameter is disabled in Project form for a point newly created using Control Builder or for an imported point.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> To configure the value of KEXT parameter for a newly created point, use the Monitoring form or Station Detail Display after the</p>



PAR	Function	Description
		point is built. For an imported point, use the Monitoring form or Station Detail Display to configure the value of KEXT parameter.

## 9.4 Servers and Stations

PAR	Function	Description
1-CEXJD1J	Configuration Studio	<p><b>Error Indication:</b> Component Manager is allowing to unselect the components which have been added to QB project, downloaded to the server.</p> <p><b>Description:</b> Component Manager is allowing to unselect the components which have been added to QB project, downloaded to the server and already in use. Re-enabling the components doesn't bring back the items into QB project.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> After re-enabling the components, when the items are not visible in the QB, do "Upload" in QB which brings back the items from Server into QB Project.</p>
1-CK7BK97	EBM-Server/Station	<p><b>Error Indication:</b> Parameter details may show blank if not viewed within 7 minutes of opening Batch Summary or Procedure Explorer.</p> <p><b>Description:</b> Parameter details may show blank if not viewed within 7 minutes of opening Batch Summary or Procedure Explorer.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> If blank Parameters are seen for a batch, refresh the Batch Summary or close and re-open Procedure Explorer then attempt to view the details again.</p>
1-CJS5H8R	HMIWeb Station	<b>Error Indication:</b> Parent

PAR	Function	Description
		<p>HSCStationwindow crashes calling faceplate if URL contains {%Null%} and FP name is wrong.</p> <p><b>Description:</b> Parent HSCStationwindow crashes calling faceplate if URL contains {%Null%} and FP name is wrong.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-CG6E2SX	HMIWeb Station - Displays	<p><b>Error Indication:</b> When creating an equipment list, the page continues to show loading and will not update.</p> <p><b>Description:</b> When creating an equipment list, the page continues to show loading and will not update. The user has to refresh the page to see the new List.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Refresh the page to see the new list.</p>
1-CG5O1KX	HMIWeb Station - Displays	<p><b>Error Indication:</b> Refreshing or logging out of equipment in a browser shows a reconnecting UI.</p> <p><b>Description:</b> Refreshing or logging out of equipment in a browser briefly shows a reconnecting alert before it refreshes or shows a signed out page.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> The page will update after the reconnecting alert has been shown.</p>
1-BRNJOO3	HMIWeb Station - Display Elements	<p><b>Description:</b> Alphanumeric configured to display Hexadecimal values may fail to show correct value.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-CC4J1SP	HMIWeb Station - General	<p><b>Description:</b> If a Station window becomes non-responsive it may affect</p>

PAR	Function	Description
		<p>data entry and display call-up of other Station windows.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-CBN0J51	HMIWeb Station - Operator Touch Panel	<p><b>Description:</b> OTP interface appears on the large screen after the monitor is powered off then on with 5070 thin clients.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-CC84F0N	HMIWeb TPN Details	<p><b>Error Indication:</b> When using the new 'extra tab' in the DEVCTL faceplate, selecting the PVNORMAL combobox will result in a script error. After acknowledging this error, not all of the available PVNORMAL options will be presented.</p> <p><b>Description:</b> When viewing a DEVCTL (device control) faceplate, the new 'extra panel' feature on the faceplate allows viewing additional parameters, including PVNORMAL. However, selection of this parameter's combobox on the 'extra pane' will result in a script error from the faceplate. Also, not all of the PVNORMAL choices are provided. The faceplate will continue to operate normally, except for the limited choices on the PVNORMAL combobox.</p> <p><b>Recovery:</b> Continue to use the faceplate, other than using the PVNORMAL combobox.</p> <p><b>Workaround:</b> The Detail display can still be used to view and modify the PVNORMAL parameter value.</p>
1-C8YVT1B	Server - Alarm/event	<p><b>Description:</b> On changing the Unreasonable Value Alarm Priority of a point, the priority of any existing Unreasonable Value Alarm is not</p>

PAR	Function	Description
		<p>changed.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Disable and then re-enable alarming on the point.</p>
1-CPXZH8B	Server - Alarm/event	<p><b>Error Indication:</b> Some batch report parameter events are occasionally hidden on the Event Summary live view.</p> <p><b>Description:</b> Some batch report parameter events are occasionally hidden on the Event Summary live view although they do exist in the Experion Event database and continue to show in reports.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> On the Event Summary, apply a specific Date and Time filter covering the batch of interest. When a time filter is applied, the view switches from the live view to an Experion Event database query, which will reveal all events including some which may have been hidden.</p>
1-CKUGMFL	Server - Displays - General	<p><b>Description:</b> Script error is thrown when navigating to the Dynamic Alarm Suppression status display in Station and the summary of suppressed alarms will not be shown.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-CQ4524N	Server - Displays - General	<p><b>Description:</b> Station Menu bar icons are not consistent in classic theme and with default installation.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Change theme to dark or light and again change to classic. With theme change station menu bar appears to be consistent in all theme.</p>
1-BY2ZUO5	Server - DSA and Point	<p><b>Error Indication:</b> A network disruption</p>

PAR	Function	Description
	Servers	<p>occurring at the exact time of a DSA display call-up could cause bad quality on other connections.</p> <p><b>Description:</b> Rare instance of a network disruption affecting a DSA link can cause brief inverse video on other connections after 2 minutes.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-CG0EWH5	Server - Other or Unknown	<p><b>Error Indication:</b> PDF report inconsistently fails to render/plot trend.</p> <p><b>Description:</b> Trend is not shown in the PDF report output.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> None.</p>
1-CJK60ZJ	Server - SCADA Interfaces	<p><b>Error Indication:</b> Loss of view to data on DNP3 channel may occasionally occur after performing a server failover.</p> <p><b>Description:</b> After performing a failover on a system with more than 50 channels, less than 10 of the channels enter into a failed state.</p> <p>These channels stop communicating with the field devices, and all point values associated with the channels go bad. The connection is not resumed after enabling/disabling the channel.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Re-download the affected channels from Configuration Studio.</p>

## HONEYWELL SOFTWARE COMPONENTS AND VERSIONS

This chapter lists the versions of Honeywell software components.

### 10.1 Common component versions

Component	Version	Version verification (Only one option is listed)
AppTPSCL	051.103.01100	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Launch the <b>Maintenance Tool</b>. The <b>Maintenance Tool</b> window appears.</li> <li>2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b>.</li> </ol>
AppTPSClient	051.103.01100	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Launch the <b>Maintenance Tool</b>. The <b>Maintenance Tool</b> window appears.</li> <li>2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b>.</li> </ol>
Honeywell_CAB_Support	051.103.00900	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Launch the <b>Maintenance Tool</b>. The <b>Maintenance Tool</b> window appears.</li> <li>2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b>.</li> </ol>

Component	Version	Version verification (Only one option is listed)
HSE_Creator_Tool	051.103.00600	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Launch the <b>Maintenance Tool</b>. The <b>Maintenance Tool</b> window appears.</li> <li>2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b>.</li> </ol>
ELCN_node	051.103.01400	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Launch the <b>Maintenance Tool</b>. The <b>Maintenance Tool</b> window appears.</li> <li>2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b>.</li> </ol>
Honeywell FTE MUX Driver	051.103.01400	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Launch the <b>Maintenance Tool</b>. The <b>Maintenance Tool</b> window appears.</li> <li>2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b>.</li> </ol>
Honeywell FTE MUX Win10 Driver	051.103.00900	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Launch the <b>Maintenance Tool</b>. The <b>Maintenance Tool</b> window appears.</li> <li>2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b>.</li> </ol>
Honeywell_GUSDISP_Support	051.103.00900	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Launch the <b>Maintenance Tool</b>. The <b>Maintenance Tool</b> window appears.</li> </ol>

Component	Version	Version verification (Only one option is listed)
		2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b> .
Honeywell_IKB_Service	051.103.00900	Perform the following steps to verify the version.  1. Launch the <b>Maintenance Tool</b> . The <b>Maintenance Tool</b> window appears.  2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b> .
Honeywell_INF_Support	051.103.01400	Perform the following steps to verify the version.  1. Launch the <b>Maintenance Tool</b> . The <b>Maintenance Tool</b> window appears.  2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b> .
Honeywell_TPNFT_Support	051.103.00900	Perform the following steps to verify the version.  1. Launch the <b>Maintenance Tool</b> . The <b>Maintenance Tool</b> window appears.  2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b> .
Experion_TPS_System_Displays	051.103.01400	Perform the following steps to verify the version.  1. Launch the <b>Maintenance Tool</b> . The <b>Maintenance Tool</b> window appears.  2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b> .
Honeywell_TPSINT_Support	051.103.01000	Perform the following steps to verify the version.



Component	Version	Version verification (Only one option is listed)
		<ol style="list-style-type: none"> <li>1. Launch the <b>Maintenance Tool</b>. The <b>Maintenance Tool</b> window appears.</li> <li>2. In the Maintenance Tool window, click <b>View Experion Feature Packages/Uninstall Experion Product</b>.</li> </ol>

## 10.2 Controllers and tools version

Component	Version	Version verification (Only one option is listed)
Control Builder	R511.3	Perform the following steps to verify the version. <ol style="list-style-type: none"> <li>1. Launch the <b>Configuration Studio</b>.</li> <li>2. Choose <b>Configuration Studio &gt; Control Strategy &gt; Configure Process Control Strategies</b>.</li> <li>3. Choose <b>Help &gt; About..</b></li> </ol>
DBADMIN	511.1.42.0	Perform the following steps to verify the version. <ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to C:\Program Files (X86)\Honeywell Experion PKS\Engineering Tools\system\bin\pserdbadmin.dll.</li> <li>2. Click <b>Properties &gt; Details</b> tab.</li> </ol>
Import/Export Tool	EXP511.1-42.0	Perform the following steps to verify the version. <ol style="list-style-type: none"> <li>1. Launch the <b>Import-Export Tool</b>.</li> <li>2. Choose <b>Help&gt;About..</b></li> </ol>
IOTOOL	EXP511.1-42.0	Perform the following steps to verify the version. <ol style="list-style-type: none"> <li>1. Launch the <b>Configuration Studio</b>.</li> <li>2. Choose <b>Control Strategy &gt; Maintain IO Modules</b>.</li> </ol>

Component	Version	Version verification (Only one option is listed)
		3. <b>Choose Help &gt; About..</b>
Network Tools	EXP511.1-42.0	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Launch the <b>Configuration Studio</b>.</li> <li>2. <b>Choose Control Strategy &gt; Maintain Control System Firmware</b>.</li> <li>3. <b>Click Help &gt; About...</b></li> </ol>
Engineering Tools database	EXP511.1-42.0	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Launch the <b>Import-Export Tool</b>.</li> <li>2. Choose <b>Help &gt; About...</b> ERDB version is displayed after Import-Export tool version.</li> </ol>
Application Control Environment (ACE)	511.1-42.0	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to C:\Program Files\Honeywell Experion PKS\Engineering Tools\system\bin\ace.exe.</li> <li>2. Right-click <b>Properties &gt; Details</b> tab.</li> </ol>
Simulation Control Environment (SIM-C200E)	511.1-42.0	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to C:\Program Files\Honeywell Experion PKS\Engineering Tools\system\bin\sce.exe.</li> <li>2. Right-click <b>Properties &gt; Details</b> tab.</li> </ol>
Simulation Control Environment (SIM-C300)	511.1-42.0	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to C:\Program Files\Honeywell Experion PKS\Engineering</li> </ol>

Component	Version	Version verification (Only one option is listed)
		Tools\system\bin\simc300.exe. 2. Right-click <b>Properties &gt; Details</b> tab..
IOLIM Simulation (SIM-IOLIM)	511.1-42.0	Perform the following steps to verify the version.  1. Open Windows Explorer and browse to C:\Program Files\Honeywell Experion PKS\Engineering. Tools\system\bin\simiolim.exe. 2. Right-click <b>Properties &gt; Details</b> tab.
Upgrade Tool	511.1-42.0	Open Configuration Studio.  1. Choose <b>Configuration Studio &gt; Experion PKS Cluster Upgrade&gt; Prepare the Cluster for an Upgrade.</b> This opens the Upgrade Tool.. 2. In Upgrade Tool, choose <b>Help &gt; About...</b>
FTE Driver	511.1-42.0	Perform the following steps to verify the version.  1. Launch the <b>Maintenance Tool</b> . The <b>Maintenance Tool</b> window appears. 2. Select <b>View Experion Feature Packages/Uninstall Honeywell Product Honeywell FTE MUX Driver.</b>

## 10.3 Server and client versions

Component	Version	Version verification (Only one option is listed)
Experion Server	051.101.0450	Perform the following steps to verify the version.  1. Launch the <b>Start-Stop Experion PKS Server</b> . 2. In the <b>Experion PKS Server</b> dialog box, choose <b>File &gt; About...</b>
Experion Console Station	051.101.0450	Perform the following steps to verify the version.  1. Launch the <b>Start-Stop Experion PKS</b>

Component	Version	Version verification (Only one option is listed)
		<b>Console Station.</b> 2. In the <b>Experion PKS Server</b> dialog box, choose <b>File &gt; About..</b>
HMIWeb Station	051.101.376	Perform the following steps to verify the version. 1. Choose <b>Honeywell Experion PKS &gt; Server &gt; Station.</b> 2. Choose <b>Help &gt; About...</b>
HMIWeb Display Builder	051.101.376	Perform the following steps to verify the version. 1. Choose <b>Honeywell Experion PKS &gt; Server &gt; HMIWeb Display Builder.</b> 2. Choose <b>Help &gt; About...</b>
DSP Display Builder	R320.4	Perform the following steps to verify the version. 1. Choose <b>Honeywell Experion PKS &gt; Server &gt; DSP Display Builder.</b> 2. Choose <b>Help &gt; About...</b>
Quick Builder	051.101.062	Perform the following steps to verify the version. 1. In the <b>Experion PKS Server</b> dialog box, choose <b>File &gt; About..</b> 2. Under <b>Provider</b> , look for <b>Honeywell.QB.QBProvider.Provider.</b>
Configuration Studio	051.101.0390	Perform the following steps to verify the version. 1. Launch the <b>Configuration Studio.</b> 2. Under <b>Application</b> , look for <b>Honeywell CDF. ConfigStudio.</b>

## 10.4 TPS Software Component Versions

Component	Version	Version verification (Only one option is listed)
GUS Display Builder	511.3.9.0	1. Choose <b>Honeywell Experion PKS &gt; TPS Applications &gt; GUS Display Builder.</b> 2. Choose <b>Help &gt; About Honeywell GPB.</b>

Component	Version	Version verification (Only one option is listed)
Native Window	511.3.9.0	<ol style="list-style-type: none"> <li>1. Choose <b>Honeywell Experion PKS &gt; TPS Applications &gt; Native Window</b>.</li> <li>2. Click Help &gt; About Native Window.</li> </ol>
TPN Backup Restore	511.1.11.0	<ol style="list-style-type: none"> <li>1. Choose <b>Honeywell Experion PKS &gt; TPS Applications &gt; TPN Backup-Restore</b>.</li> <li>2. Choose Help &gt; About....</li> </ol>
Component Library Editor	511.1.39.0	<ol style="list-style-type: none"> <li>1. Choose <b>Honeywell Experion PKS &gt; TPS Applications &gt; GUS Display Builder Tools &gt; Component Library Editor</b>.</li> <li>2. Choose Help &gt; About Library Editor.</li> </ol>
HOPC Server	511.3.1.0	<ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to C:\Program Files\Honeywell\TPS\GUS\hopcsrvr.exe.</li> <li>2. Right-click Properties &gt; Details tab and verify File Version.</li> </ol>
NWDDDB Server	511.3.5.0	<ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to C:\Program Files\Honeywell\TPS\GUS\nwddb_server.exe.</li> <li>2. Right-click Properties &gt; Details tab and verify File Version.</li> </ol>
LCNP Status Applet	511.3.5.0	<ol style="list-style-type: none"> <li>1. Open Windows Explore and browse to C:\Program Files\Honeywell\TPS\Emulators\emstatus.exe.</li> <li>2. Right-click Properties &gt; Details tab and verify File Version.</li> </ol>
File Transfer	511.1.11.0	<ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to C:\Program Files\Honeywell\TPS\TPSxfer\FTService.exe.</li> <li>2. Right-click Properties &gt; Details tab and verify File Version.</li> </ol>
CL Server	511.3.11.0	<ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to C:\Program Files\Honeywell\TPS\CLAPPServer\clsrvrds.exe.</li> <li>2. Right-click Properties &gt; Details tab and verify File Version.</li> </ol>
TPN Server	511.3.7.0	<ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to C:\Program Files\Honeywell\TPS\TPNServer\tpndss.exe.</li> <li>2. Right-click Properties &gt; Details tab and verify File Version.</li> </ol>

## 10.5 Compatibility with TPN releases

The following table presents the compatibility between the Experion and TPN releases.

Experion Release Series	Minimum TPN System Software	Recommended TPN System Software
R201, R21x, R301.x	TPN R641.2	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 or later R6xx releases in this series.	TPN R535.1 or later R5xx releases in this series. TPN R652.1 or later R6xx releases in this series.
Beginning with Experion R501.2, TPN R5xx series is <b>No Longer Supported or Compatible</b>		
R501.2, R510.2	TPN R687.4 without ELCN/EUCN TPN R687.6 with ELCN/ELCN	TPN R688.4
R501.4, R501.6, R511.1, R511.2	TPN R687.4 without ELCN/EUCN TPN R688.4 with ELCN/EUCN	TPN R688.4
R511.3	TPN R687.4 without ELCN/EUCN TPN R688.4 with ELCN/EUCN	TPN R688.4  <b>NOTE</b> Unified Engineering Tools is required to have TPN R688.4 installed.

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

**For Experion R511.3, the Utilities and Load Module Media (a.k.a. ULM) version is R301.21.**

### NOTE

It is crucial to have the version of the ULM that matches your version of Experion software to ensure proper integration. The current version of:

- EST load module is 68.12
- ESVT load module is 68.04

For full EUCN vs. Experion vs. TPN release compatibility, always refer to the “EUCN” tab in the latest “Experion Update Matrix” spreadsheet, which is available on [honeywellprocess.com](https://honeywellprocess.com) at this [link](#). You must be logged in for the link to be functional.

## HONEYWELL-QUALIFIED THIRD-PARTY SOFTWARE COMPONENT VERSION

- [Honeywell-qualified third-party embedded software component versions](#)
- [Honeywell-qualified third-party software component versions](#)

### 11.1 Honeywell-qualified third-party software component versions

This section identifies third-party, Windows-based software applications that are supported on an Experion client system.

#### ATTENTION

Honeywell is not responsible for issues resulting from the installation or use of any software that have not been tested for Experion compatibility by Honeywell. In case, you must use any of the third-party software, ensure sufficient system resources such as memory, CPU performance, disk space, display space, and so on are available.

Software application and version	Verification mechanism (Only one option is listed)
Microsoft Office	<p>Qualified Microsoft Office products include the following:</p> <ul style="list-style-type: none"> <li>• Microsoft Excel</li> <li>• Microsoft Word</li> <li>• Microsoft PowerPoint</li> <li>• Microsoft Access</li> </ul> <p>Note: Any other MS components not mentioned in the list (Outlook, Communicator, and so on.) are not supported.</p> <p>For latest information about the qualified Microsoft Office packages for the Experion products, refer to the following <a href="#">link</a>.</p>
National Instruments NI-FBUS Communications Manager	<ol style="list-style-type: none"> <li>1. Choose <b>Start &gt; Programs &gt; NI FBUS &gt; Interface Config</b>.</li> <li>2. Click the <b>System</b> menu and select <b>About fbConfig_NT</b>.</li> </ol> <p><b>Limitations/Compatibility</b></p>



Software application and version	Verification mechanism (Only one option is listed)
	Model Number TC-NIFB01 must be used with Model Number 1757-CN2FF Fieldbus Linking device. Only this model number must be purchased and not the general release of the Configurator from NI.
McAfee NT Scan	Qualified McAfee Antivirus package is available on the Honeywell Process Solutions website.
Symantec	Qualified Symantec package is available on the Honeywell Process Solutions website.
Honeywell TotalPlant Batch	Contact Honeywell TAC for more information.
Procedure Analyst	Contact Honeywell TAC for more information.

## 11.2 Honeywell-qualified third-party embedded software component versions

Component	Version	Verification mechanism (Only one option is listed)
Adobe Acrobat Reader (DC)	17.011.30078	<ol style="list-style-type: none"> <li>1. Open Adobe Reader.</li> <li>2. Choose <b>Help &gt; About Adobe Reader</b></li> </ol>
Dell Open Manage Server Administrator	9.1	<ol style="list-style-type: none"> <li>1. Click <b>Start &gt; Windows System &gt; Control Panel &gt; Programs &gt; Programs and Features</b>.</li> <li>2. Check <b>Dell OpenManage System Management Software (64-Bit)</b>.version in the <b>Version</b> column of the page.</li> </ol>
Dell Open Manage Client Instrumentation	9.3	<ol style="list-style-type: none"> <li>1. Click <b>Start &gt; Windows System &gt; Control Panel &gt; Programs &gt; Programs and Features</b>.</li> <li>2. Check <b>Dell OpenManage System Management Software (64-Bit)</b>.version in the <b>Version</b> column of the page.</li> </ol>
HP System Management Homepage	7.6.0.11	<ol style="list-style-type: none"> <li>1. Click <b>Start &gt; Windows System &gt; Control Panel &gt; Programs &gt; Programs and Features</b>.</li> <li>2. Check <b>HP System Management Homepage</b>.version in the <b>Version</b> column of the page.</li> </ol>
Internet Explorer	11.0	<ol style="list-style-type: none"> <li>1. Open Internet Explorer directly.</li> <li>2. Choose <b>Help &gt; About Internet Explorer</b>.</li> </ol>
Microsoft .NET Framework	4.6.2	Ensure the following directory is available: C:\WINDOWS\Microsoft.NET\Framework\v1.1.4322.
MS Visual Basic Run-Time DLLs (Used with Model No. MZ-NTDE04 Application Development Toolkit.)	6.0.98.15	<ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to C:\windows\syswow64\msvbvm60.dll.</li> <li>2. Right-click <b>msvbvm60.dll</b>.</li> <li>3. Right-click <b>Properties</b>. Click <b>Details</b> tab.</li> </ol>
MS Visual C++ Run-Time DLLs	7.0.14393.2457	<ol style="list-style-type: none"> <li>1. Open Windows Explorer and browse to</li> </ol>

Component	Version	Verification mechanism (Only one option is listed)
		<p>C:\windows\syswow64\MSVCRT.dll (Microsoft Run Time Library).</p> <p>2. Right-click <b>MSVCRT.dll</b>.</p> <p>3. Right-click <b>Properties</b>. &gt; Click <b>Details</b> tab</p>
SQL Server 2017 Standard	14.0.1000.169	<p>1. Open SQL Server Management Studio.</p> <p>2. Type "select @@version" and press F5 key.</p>
Objective Grid	13.0.0.0	<p>1. Open Windows Explorer and browse to C:\Program Files (x86)\Honeywell\ExperionPKS\Engineering Tools\System\Bin\og1300asu.dll.</p> <p>2. Right-click <b>og1300asu.dll</b>.</p> <p>3. Click <b>Properties &gt; Details</b> tab.</p>
Embedded Microsoft Windows 10 Enterprise 2016 LTSC (x64)	1607 (OS build 14393.187)	<p>1. Right-click <b>Start &gt; Run</b>.</p> <p>2. On Command prompt, type <b>Winver</b> and press <b>ENTER</b>.</p>
Embedded Microsoft Windows Server 2016 Standard	1607 (OS build 14393.187)	<p>1. Right-click <b>Start &gt; Run</b>.</p> <p>2. On Command prompt, type <b>Winver</b> and press <b>ENTER</b>.</p>
Embedded Microsoft Windows Server 2016 Datacenter OS	1607 (OS build 14393.187)	<p>1. Right-click <b>Start &gt; Run</b>.</p> <p>2. On Command prompt, type <b>Winver</b> and press <b>ENTER</b>.</p>

## SUPPORT FOR OPTIONAL SCADA INTERFACES

### 12.1 Purpose

This section covers the testing and support status of Supervisory Control and Data Acquisition (SCADA) interfaces.

### 12.2 Interface support level

Honeywell provides varying levels of support for each SCADA interface dependent on availability of hardware and the level of support third-party vendors support their software. The following table provides the levels of support.

SCADA Interface Support Level	Description
Supported	SCADA interfaces that are fully supported by Honeywell and third party vendors. If interface relies on third party drivers then these are officially supported and qualified on the platforms required by Experion.
Validated	SCADA interfaces that have been validated by Honeywell or independently by a customer on Experion. However, these SCADA interfaces rely on third-party vendors who have either withdrawn the interface or do not officially support the platforms required by Experion. Honeywell support may be dependent on third-party vendors.
Not Validated	SCADA interfaces that have not been fully validated by Honeywell on Experion. These SCADA interfaces either rely on third-party vendor software that were not supported on the platforms required by Experion during development, or there is limited hardware availability or the hardware is obsolete. Honeywell support may be dependent on third-party vendors.

### 12.3 SCADA Interface Support

The following tables describe the levels of support for each SCADA interface.

#### 12.3.1 Honeywell Devices

SCADA Interface	Support Level				Considerations
	R410x	R43x	R50x	R510	
TDC 3000	Supported	Supported	Supported	Supported	Not applicable

SCADA Interface	Support Level				Considerations
	R410x	R43x	R50x	R510	
S9000 Integration	Supported	Supported	Supported	Supported	Not applicable
620 LCS Serial and Ethernet Interface	Supported	Supported	Supported	Supported	Not applicable
UDC 3000/5000/6300 Integration	Supported	Supported	Supported	Supported	Not applicable
DPR Recorders	Supported	Supported	Supported	Supported	Not applicable
RM7800 Flame Safeguard	Not Validated	Supported	Not Validated	Not Validated	Not applicable
Universal Modbus Interface	Supported	Supported	Supported	Supported	Allows communication with UMC800, HC900 and other compatible devices and controllers. Please refer to the Honeywell Universal Modbus Interface Reference for more details.
MasterLogic	Supported	Supported	Supported	Supported	R5xx BCC: Contact TAC or your Sales Account Manager if you require this interface.
FSC and Safety Manager	Supported	Supported	Supported	Supported	Not applicable
ControlEdge RTU (including RTU2020)	Supported	Supported	Supported	Supported	Enhanced integration introduced in R500
ControlEdge PLC using Open Platform Communication UA protocol	Not Available. Integrate PLC data using Modbus Interface.	Not Available. Integrate PLC data using Modbus Interface.	Supported	Supported	Enhanced integration introduced in R500.2 & R501

## 12.4 Industry Standard Interfaces

SCADA Interface	Support Level				Considerations
	R410x	R43x	R50x	R51x	
Modbus (RTU, Plus, ASCII & TCP) Interface	Supported	Supported	Supported	Supported	<p>R410: Validated with Cyberlogic MBX driver suite 7.0</p> <p>R43x: Modbus Plus Interface has been qualified with Schneider USB Adapter for Windows 2008 version 7.0.0.0 (part number TSXCUSBMBP) and Cyberlogic MBX Driver Suite version 7.0.0.0</p> <p>R5xx: Validated with Cyberlogic MBX driver suite 7.1</p>

SCADA Interface	Support Level				Considerations
	R410x	R43x	R50x	R51x	
					<p>R5xx BCC: Modbus Plus has not been validated for this release.</p> <p>R5xx+: Enron Modbus interface also supports standard Modbus, and may be preferred in cases such as high latency Modbus TCP, or when a single Experion controller is preferred for access to multiple Modbus tables in the same device.</p>
DNP3 Protocol Interface	Supported	Supported	Supported	Supported	Not applicable
Open Platform Communication Interface (OPC SCADA Client)	Supported	Supported	Supported	Supported	It is recommended that MatrikonOPC servers are used for third party integration.
Open Platform Communication UA Client Interface	N/A	N/A	N/A	Supported	
IEC-61850 Protocol Interface	Supported	Supported	Supported	Supported	R5xx BCC: IEC-61850 Protocol Interface is currently not supported by R5xx BCC.
IEC-60870 Protocol Interface	Supported	Supported	Supported	Supported	R5xx BCC: IEC-60870 Protocol Interface is currently not supported by R5xx BCC.

## 12.5 Third Party Devices

The remaining interfaces support third-party controllers. Note that some of the interfaces require communication software manufactured by the third-party.

For third-party devices not listed here, contact Honeywell TAC to discuss options including the use of MatrikonOPC drivers.

Legacy Experion interfaces not listed here may still be supported for upgrades only. For more information, refer to the latest release specific *Experion Software Change Notice*.

SCADA Interface	Support Level				Considerations
	R410x	R43x	R50x	R51x	
ABB Totalflow	N/A	N/A	Supported	Supported	<p>R410: Not available in Experion R410.</p> <p>R43x: Not available in Experion R43x.</p> <p>R5xx: Supported in Experion R5xx. Validated with TCI Toolkit version 3.07, an XRC6990 RTU, and also with the ABB Totalflow emulator.</p>
Allen-Bradley Interface	Supported	Supported	Supported	Supported	<p>It is recommended that RSLinx 4.10.00 is used for Experion R5xx.</p> <p>R51x: Refer to technote 395 for the solution to PAR 1-A3IXP93 (SQL dump files created every 1 hour on the R510</p>

SCADA Interface	Support Level				Considerations
	R410x	R43x	R50x	R51x	
					servers causing the C: drive to eventually fill up).  Per KSM2016-009: The use of the RSLinx Classic Open Platform Communication Server running on an Experion server is not supported. RSLinx Classic is only qualified to run on the Experion server when servicing Allen Bradley SCADA channels or C200s ENET/CNET connected, not running as an Open Platform Communication server.
Allen-Bradley ControlLogix Interface	Supported	Supported	Supported	Supported	Matrikon OPC Server for Allen-Bradley PLC's is recommended for communications with Allen-Bradley ControlLogix PLC's.
Applicom	Not Validated	Not Validated	Not Validated	Not Validated	Honeywell has not validated this interface with Experion R410, R43x, R50x or R51x.. The Applicom Interface has been withdrawn from public general sale in Experion. Consider using DSA to a previous Experion Server release to interface to Applicom devices.
Asea Interface	Not Validated	Not Validated	Not Validated	Not Validated	Honeywell has not fully validated this interface with Experion R410, R43x, or R5xx..  Very low risk as this is a serial interface.  Honeywell plans to work with customers to validate. In the event of any issues found during validation, Honeywell support may be dependent on third party vendors.
Bailey	Not Validated	Not Validated	Not Validated	Not Validated	Honeywell has not fully validated this interface with Experion R410, R43x, or R5xx..  The Bailey Interface has been withdrawn from public general sale in Experion.  Note that the Bailey software (semAPI Release 1.2) does not support the Windows Server 2008 R2 and later 64-bit platform required by Experion Server.  Consider using Honeywell's migration solution for Bailey systems: <a href="https://www.honeywellprocess.com/en-US/explore/products/control-monitoring-and-safety-systems/integrated-control-and-safety-systems/third-party-system-migration/Pages/migration-solution-for-bailey-systems.aspx">https://www.honeywellprocess.com/en-US/explore/products/control-monitoring-and-safety-systems/integrated-control-and-safety-systems/third-party-system-migration/Pages/migration-solution-for-bailey-systems.aspx</a>
Bristol Babcock OpenBSI Interface	Not Validated	Validated*	Validated*	Validated*	R410: Honeywell has not validated this interface with Experion R410. Consider using a MatrikonOPC server or DSA to a previous Experion Server release to interface to Bristol Babcock OpenBSI systems.  R43x: *Available in Experion R43x for approved customers only. Contact TAC if this interface is required.  R5xx: *Available in Experion R5xx for approved customers only. Contact TAC if this interface is required.  R5xx BCC: Expected to work but not yet validated on a BCC topology. Contact TAC if this interface is required.  Reference: <a href="http://www.documentation.emersonprocess.com/groups/public">http://www.documentation.emersonprocess.com/groups/public</a>

SCADA Interface	Support Level				Considerations
	R410x	R43x	R50x	R51x	
					<a href="c:/documents/instruction_manuals/d301414x012.pdf">c:/documents/instruction_manuals/d301414x012.pdf</a>
Bristol Babcock RTU Serial Interface	Not Validated	Not Validated	Not Validated	Not Validated	Honeywell has not fully validated this interface with Experion R410 or Experion R43x or Experion R5xx. R501.2 SP1 will include fix for PAR 1-9X13M17.
Enron Modbus	N/A	Supported	Supported	Supported	R410: Not available in Experion R410. R43X: Supported in Experion R43x. Validated with “NuFlo Cameron Scanner 2000” device. R5xx: Supported in Experion R5xx. Validated with “NuFlo Cameron Scanner 2000” device.
Fisher ROC	N/A	N/A	Supported	Supported	Supports both Fisher ROC and Fisher ROC Plus protocols. R5xx: Validated in R5xx against FloBoss 107 and ROC800L devices. R5xx BCC: Expected to work but not yet validated on a BCC topology.
GE Fanuc Series 90 PLC via Ethernet	Validated	Validated	Validated	Not Validated	GE Fanuc Series 90 Interface has been qualified with GE Fanuc Host Communication Toolkit version 1.02 distributed as part of IC641SWP058B Toolkit for Windows NT C/C++ Applications. GE 9030 and GE Rx7i have been validated. Note that the GE Host Communications Toolkit has been discontinued by GE. Honeywell is not in a position to provide support for the toolkit. However, Honeywell has validated this interface to work with Experion server. The GE 9030 PLC reached end of life in October 2017. Also refer to the Be-Aware for more details on supported models: <a href="https://www.honeywellprocess.com/library/support/notifications/Customer/BW2005-14RevA_Experion-PSc%20GE%20Fanuc.pdf">https://www.honeywellprocess.com/library/support/notifications/Customer/BW2005-14RevA_Experion-PSc%20GE%20Fanuc.pdf</a>
GE Series 6	Not Validated	Not Validated	Not Validated	Not Validated	Honeywell has not validated this interface with Experion R410, R43x, or R5xx. The GE Series 6 Interface has been withdrawn from public general sale in Experion. Consider using DSA to a previous Experion Server release to interface to GE Series 6 devices.
GEC GEM80 PLC Interface	Not Validated	Not Validated	Not Validated	Not Validated	Honeywell has not fully validated this interface with Experion R410, R43x, or R5xx. Honeywell plans to work with customers to validate. In the event of any issues found during validation, Honeywell support may be dependent on third party vendors.
Hitachi Interface	Not Validated	Not Validated	Not Validated	Not Validated	Honeywell has not fully validated this interface with Experion R410, R43x, or R5xx. Honeywell plans to work with customers to validate. In the event of any issues found during validation, Honeywell support may be dependent on third party vendors.
Microma	Not	Not	Not	Not	Honeywell has not fully validated this interface with Experion

SCADA Interface	Support Level				Considerations
	R410x	R43x	R50x	R51x	
x LPU & Video Paperless	Validated	Validated	Validated	Validated	<p>R410, R43x, or R5xx. The L&amp;N Micromax Interface has been withdrawn from public general sale in Experion.</p> <p>Consider using DSA to a previous Experion Server release to interface to Micromax devices.</p>
Moore 351, 352, 353, 383 Interface	Not Validated	Validated	Not Validated	Not Validated	<p>Honeywell has not validated this interface with Experion R410 or Experion R5xx. This interface has been validated independently by a customer on Experion R43x. Requires Experion R430.4 or later.</p> <p>Very low risk as this is a serial interface.</p> <p>Honeywell plans to work with customers to validate. In the event of any issues found during validation, Honeywell support may be dependent on third party vendors.</p>
Moore APACS	Not Validated	Not Validated	Not Validated	Not Validated	<p>Honeywell has not fully validated this interface with Experion R410, R43x, or R5xx..</p> <p>It is recommended that customers consider moving to the Matrikon APACS Open Platform Communication Server:  <a href="https://www.matrikonopc.com/opc-drivers/opc-apacs-direct/base-driver-details.aspx">https://www.matrikonopc.com/opc-drivers/opc-apacs-direct/base-driver-details.aspx</a></p> <p>Related Notes: As of the date of this publication, the latest release of the Siemens software is APACS Runtime API v4.51 distributed as part of SIMATIC PCS 7/APACS+ OS Option Software V8.0 SP1.</p> <p>Consider using a MatrikonOPC server to interface to Moore APACS DCS.</p> <p>Reference:  <a href="http://cache.automation.siemens.com/dnl/Dg/DgxMTIzNQAA_79061961_DL/PCS7_APACS_OS_V80_SP1_ReadMe.pdf">http://cache.automation.siemens.com/dnl/Dg/DgxMTIzNQAA_79061961_DL/PCS7_APACS_OS_V80_SP1_ReadMe.pdf</a></p>
Omni Flow Computer	Not Validated	Not Validated	Not Validated	Not Validated	<p>Honeywell has not fully validated this interface with Experion R410, R43x, or R5xx..</p> <p>An Omni Enhanced interface was added in Experion R500 for customers requiring EFM data from Omni Flow Computers. This has been tested with emulators, but has not been validated against Omni hardware.</p> <p>Consider using a MatrikonOPC server to interface to Omni Flow Computers. This will not be useful for reading EFM data.</p> <p>Honeywell plans to work with customers to validate. In the event of any issues found during validation, Honeywell support may be dependent on third party vendors.</p>
Siemens S5	Not Validated	Not Validated	Not Validated	Not Validated	<p>Honeywell has not validated this interface with Experion R410 or Experion R43x or Experion R5xx..</p> <p>As of the date of this publication, the latest release of the Siemens software is SIMATIC NET PC Software V8.2. This release of the Siemens software does not support the TF communications protocol anymore.</p>



SCADA Interface	Support Level				Considerations
	R410x	R43x	R50x	R51x	
					<p>Consider using DSA to a previous Experion Server release to interface to Siemens S5 devices.</p> <p>Reference:  <a href="https://cache.automation.siemens.com/dnl/jU/jUyNzc0NQA_A_61630923_HB/INH_SIM-NET_76.pdf">https://cache.automation.siemens.com/dnl/jU/jUyNzc0NQA_A_61630923_HB/INH_SIM-NET_76.pdf</a> </p>
Siemens S7	Validated	Validated	Not Validated	Not Validated	<p>As of the date of this publication, the latest release of the Siemens software is distributed as part of SIMATIC NET PC Software V14.</p> <p>Honeywell plans to work with customers to validate this release. In the event of any issues found during validation, Honeywell support may be dependent on third party vendors</p> <p>Honeywell has validated the previous software version S7-1613 V8.1 distributed as part of SIMATIC NET PC Software V8.2.</p> <p>Reference:  <a href="https://support.industry.siemens.com/cs/document/63098071/simatic-net-dvd-v8-2-released-for-delivery?dti=0&amp;lc=en-WW">https://support.industry.siemens.com/cs/document/63098071/simatic-net-dvd-v8-2-released-for-delivery?dti=0&amp;lc=en-WW</a>  <a href="https://support.industry.siemens.com/cs/document/109346876/simatic-net-dvd-v13-released-for-delivery?dti=0&amp;lc=en-WW">https://support.industry.siemens.com/cs/document/109346876/simatic-net-dvd-v13-released-for-delivery?dti=0&amp;lc=en-WW</a> </p>
Spirit IT Flow-X Interface	N/A	Supported	Supported	Supported	<p>R410: Not available in Experion R410.</p> <p>R43x, R5xx: Available in Experion R430.3 and later. Runtime data is polled through Modbus interface, and EFM data queried through HTTP Web Service.</p> <p>R5xx BCC: Expected to work but not yet validated on a BCC topology.</p>
Texas Instruments	Not Validated	Not Validated	Not Validated	Not Validated	<p>Honeywell has not fully validated this interface with Experion R410, R43x, or R5xx..</p> <p>The Texas Instruments Interface has been withdrawn from public general sale in Experion.</p> <p>Consider using DSA to a previous Experion Server release to interface to Texas Instrument devices.</p>
Yamatake MA500 Interface	Supported	Supported	Not Validated	Not Validated	Not applicable

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For the purpose of submission, a security vulnerability is defined as a software defect or weakness that can be exploited to reduce the operational or security capabilities of the software.

Honeywell investigates all reports of security vulnerabilities affecting Honeywell products and services.

To report a potential security vulnerability against any Honeywell product, please follow the instructions at:

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## Support

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