



EXPERION PKS

RELEASE 511.4

Software Change Notice

EPDOC-X166-en-5114H

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Contents	3
Chapter 1 - About this document	8
1.1 Revision history	8
Chapter 2 - Introduction	9
2.1 About this point release	9
2.2 Do I need to upgrade?	10
2.3 Check for updates on Honeywell Process Solutions website	10
2.3.1 To access the Honeywell Process Solutions website	10
2.3.2 To download documents, security updates, or antivirus notifications	11
2.3.3 To download the Knowledge Base Articles	12
2.3.4 Validate latest FTE qualified IOS switch templates	12
2.3.5 To download the latest documentation	12
2.4 Who must read this document?	12
2.5 Change impact	13
2.5.1 Control change impact	13
2.5.2 Operational change impact	13
2.5.3 Infrastructural change impact	14
Chapter 3 - Contents of this release	15
3.1 Experion User Assistance	15
3.1.1 Accessing the User Assistance	16
3.1.2 Contents of Experion PKS R511.4 Documentation	17
3.2 Applicable nodes	18
3.3 Applicable modules	18
3.4 Supported migration and upgrade paths	19
3.4.1 Supported controller migration paths	19
3.4.2 Supported migration and upgrade paths	24
Chapter 4 - Getting Started	26
4.1 About Experion PKS installation and migration documents	26
4.2 Upgrade checklist	27
4.3 Prerequisites	27

4.4	Downloading the point release media	28
4.5	What task do you want to accomplish	30
4.6	Upgrade to this point release	30
4.6.1	Clean installation of R511.4	31
4.6.2	Migrate from previous releases to R511.4	31
4.7	Installation of the point release	34
4.7.1	Installing the point release on a non-redundant server node	34
4.7.2	Installing the point release on a redundant server	37
4.7.3	Installing the point release on Experion Application Server/Console/Flex/T-Nodes/Collaboration Station/Console Extension Station/eServer/Premium Access Clients	46
4.7.4	Installing the point release on ACE/ SCE/ EHG	50
4.7.5	Installation of supported optional features for point releases on a non-Experion node	53
4.7.6	Updating common components packages (optional step)	54
4.7.7	Upgrading Control Firewall firmware	55
4.7.8	Migrating controllers	56
4.8	Uninstallation of the point release	56
4.9	Limitations	57
Chapter 5	- Supported software / hardware / firmware	58
5.1	Platform hardware	58
5.1.1	Physical platforms	58
5.1.2	Virtual platforms	59
5.2	Antivirus software	60
5.3	Microsoft Office compatibility	60
5.4	Microsoft security updates	60
5.5	Experion Support and Maintenance (ESM)	60
5.6	Supported operating system	60
5.7	Experion PKS Backup and Restore	61
5.8	Application Whitelisting	61
5.9	Firmware revisions	62
Chapter 6	- New features and enhancements	65

6.1 Experion Local Control Network (ELCN) Unified Engineering Tools	65
6.2 Profinet on Ethernet Interface Module (EIM)	66
6.3 Telvent OASyS Migration Support	66
6.4 EHPPM HART integration	66
6.5 UOC Retention Restart	67
6.6 C200 to UOC upgrade	67
6.7 Batch Enhancements - Enhance Transition block input conditions	67
6.8 Support for OPC UA Server on a UOC Controller	68
6.9 Revised SCADA Point Faceplates	68
6.10 Selection List enhancement on Export Feature	68
6.11 Import with overwrite support for Custom Block Type	68
6.12 Selection List enhancement on List View	68
6.13 Fault Tolerant Ethernet (FTE) Support for 1 Gbps connection speeds for computer platforms	69
6.14 FTE Cisco IE 3300 switch support	69
6.15 FTE Cisco 9200 and 9300 Router support	69
6.16 FTE Cisco 9300 Top of Rack (ToR) Virtualization support	69

Chapter 7 - Resolved PARs in Experion **70**

7.1 Resolved PARs in Experion R511.4	70
7.1.1 Installation and Migration	71
7.1.2 Common components	72
7.1.3 Controllers and Tools	72
7.1.4 Servers and Stations	81
7.1.5 Documentation	89
7.2 Resolved PARs in Experion R511.3	90
7.2.1 Installation and Migration	90
7.2.2 Common components	90
7.2.3 Controllers and Tools	91
7.2.4 Servers and Stations	94
7.3 Resolved PARs in Experion PKS R511.2	97

7.3.1 Installation and Migration	97
7.3.2 Common components	97
7.3.3 Controllers and Tools	97
7.3.4 Servers and Stations	98
7.3.5 Documentation	100
7.4 Resolved PARs in Experion PKS R511.1	101
7.4.1 Installation and Migration	101
7.4.2 Common components	101
7.4.3 Controllers and Tools	101
7.4.4 Servers and Stations	104
Chapter 8 - Special considerations	107
8.1 Communication failure during EIM switchover	107
8.2 String Formula Parameter Limit	107
8.3 EHPM with HART functionality needs user action after restore	107
8.4 EHPM HART system alarms in Experion Station	107
8.5 Migration from Experion R430.5 or R430.6 with Experion Integrated EHPM fails due to “DGIN” block type (PAR 1-DF9EGYF)	107
8.6 On-Process Migration of systems having peer-to-peer communication between ACE and C200/C200E	108
8.7 Flashing Experion-integrated EHPM firmware using Standalone EPA Tool (PAR 1-D9ZYFZF)	108
8.8 Issues observed in Control Builder Monitoring Tree after upgrading from Experion R511.1 to R511.4 (PAR 1-DFUWKNK3)	108
8.9 Limitations enforced by SafeView (PAR- 1-DOXCP6D)	109
Chapter 9 - Known issues	110
9.1 Installation and Migration	111
9.2 Common Components	117
9.3 Controllers and Tools	118
9.4 Servers and Stations	136
Chapter 10 - Honeywell software components and versions	139

10.1 Common component versions	139
10.2 Controllers and tools version	142
10.3 Server and client versions	144
10.4 TPS Software Component Versions	145
10.5 Compatibility with TPN releases	146
Chapter 11 - Honeywell-qualified third-party software component version	148
11.1 Honeywell-qualified third-party software component versions	148
11.2 Honeywell-qualified third-party embedded software component versions	149
Chapter 12 - Support for optional SCADA interfaces	151
12.1 Purpose	151
12.2 Interface support level	151
12.3 SCADA interface support	151
12.3.1 Honeywell devices	152
12.4 Industry standard interfaces	153
12.5 Third party devices	154

ABOUT THIS DOCUMENT

This Software Change Notice describes the prerequisites, resolved PARs, applicable nodes, and steps to install or 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 available on the Honeywell Process Solutions website (www.honeywellprocess.com/support).

1.1 Revision history

Version	Date	Description
A	December 2020	Initial version.
B	January 2021	Added PARs 1-DIMLNJF/1-DAB1AIN under known issues.
C	January 2021	Added PARs 1-D6OTUGN and 1-DFZ3SB1 under problems resolved.
D	January 2021	Updated Operational change impact section.
E	February 2021	Updated Firmware revisions.
F	February 2021	Added PARs RELCNTN-5588 and RELCNTN-5872.
G	March 2021	Updated Firmware revisions section.
H	May 2021	Added excluded applications in SafeView, updated Application Whitelisting section, Added PARs 1-D4MLCBD and 1-BPIXM3T.

2.1 About this point release

This point release has the following major enhancements:

- Experion Local Control Network (ELCN) Unified Engineering Tools
- Profinet on Ethernet Interface Module (EIM)
- Telvent OASyS Migration Support
- Enhanced High-Performance Process Manager (EHPM) HART integration
- Unit Operations Controller (UOC) Retention Restart
- C200 to Unit Operations Controller (UOC) upgrade
- Batch Enhancements - Enhance Transition block input conditions
- Support for OPC UA Server on a Unit Operations Controller (UOC)
- Revised SCADA Point Faceplates
- Export User Interface (UI) to support selection lists
- Import/Export tool (IXP) support for overwriting Custom Block Type (CBT)
- Selection List enhancement on List View
- Fault Tolerant Ethernet (FTE) Support for 1 Gbps connection speeds for PC platforms
- FTE Cisco IE 3300 switch support

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, see [Supported controller migration paths](#).

2.2 Do I need to upgrade?

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

2.3 Check for updates on Honeywell Process Solutions website

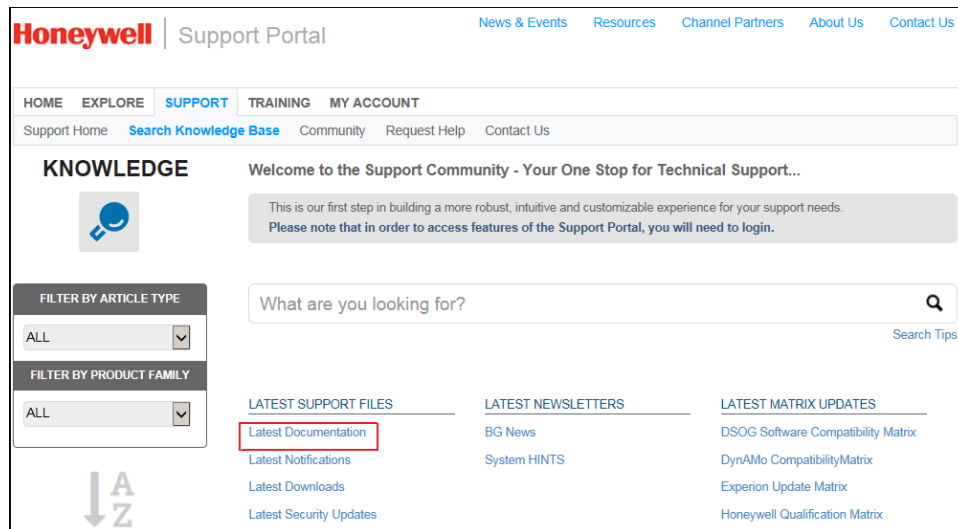
The Honeywell Process Solutions website, <http://www.honeywellprocess.com> contains the most up-to-date software updates, documentation, and recommended anti virus updates. You can find the latest version of this SCN on [Honeywell Process Solutions website](#).

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.

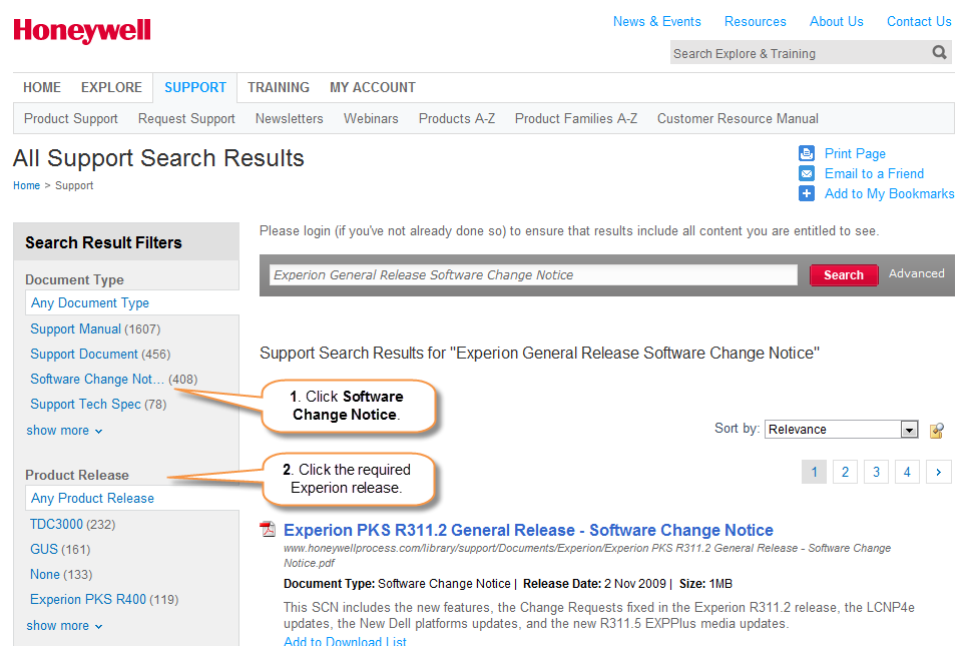
2. In the **Search** box, type the name of the required document, security update, or antivirus notification.

For example, to download an SCN, type **Experion PKS General Release Software Change Notice** or **Experion PKS 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 PKS 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).
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).
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).
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 PKS R511.4 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 PKS R511.4 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

Revised SCADA Point Faceplates

Standard SCADA Faceplates for Analog and status points displays unused parameters though no address is assigned to SP, OP, MODE parameters.

- The new server wide setting Hide unused SCADA parameters will allow users to show or hide the unused parameters in standard Faceplates.
- PV parameter will always be shown
- The unused parameters will be shown by default and the setting can be controlled by a user with manager level access

Instruction parameters shown in Batch messages

Batch instruction parameters (Entry, Target, Current and Monitor) and the 'Instruction Note' are more visible and consistent when the instruction is seen as a batch message in the Message Summary or Notification Pane. Any configured non-writable instruction parameter is now automatically shown at the end of the Instruction part of the message. Writable instruction parameters, including 'Entry' and 'Target' (if 'Allow change' is checked), will still appear prominently near the Confirm button. The 'Instruction Note', if configured, is now consistently appended to the main instruction text. Live value references within the instruction text are unaffected by this change and the maximum number of these remains 5.

Dynamic alarm suppression status display

The Dynamic Alarm Suppression Status display page in Station has been refreshed with an updated Honeywell User Interface and simplified filtering /sorting options for the suppression groups. Instead of filtering being triggered via the "Affecting point" and "with names containing" fields in the group name column header, there is now a simplified search bar. Text entered into the search bar will filter the groups for any group names that match the string or contain point names that match the string. In addition, State filtering has also moved from the column header into a separate filter combo-box, next to the new search bar. In line with this simplified searching mechanism, sorting is no longer available for either group name or state. Information about the suppression configuration (Load User and version) has been moved to a tool tip in an Information icon.

Sign-on manager requirement

Beginning with Experion R511.3, if operator-based security is used, and Sign-on Manager is installed, the option "Allow single sign-on" on the Sign-on Admin display must be checked.

Station.ini file

The patch will take a back-up of existing station.ini file and install a Honeywell copy of station.ini file. If there are any customizations done to station.ini file, then manually merge them with the delivered file after the patch installation.

Duplicate Faceplates across multiple monitors

The resolution for PAR1-D60TUGN requires the following registry setting to be present and set to value 1.

```
[HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Honeywell\Station\Faceplates]
"AllowDuplicatesWhenNotTiedToMonitor" = 1
```

NOTE

Only systems affected by the above PAR should set this key.

Station stability improvements

The resolution for PAR1-CU7ZNAJ (delivered in an earlier patch) requires the following registry key to be set.

```
[HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Honeywell\Station]
"EnableDiscardAckSilKey"=dword:00000001
```

Rapid and continuous press in F4 key over a long period can cause high CPU issues in Station . This will cause the station to discard F4 key taps within a 250ms period.

2.5.3 Infrastructural change impact

Not Applicable.

CONTENTS OF THIS RELEASE

3.1 Experion User Assistance

Prior to Experion PKS R511, 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.

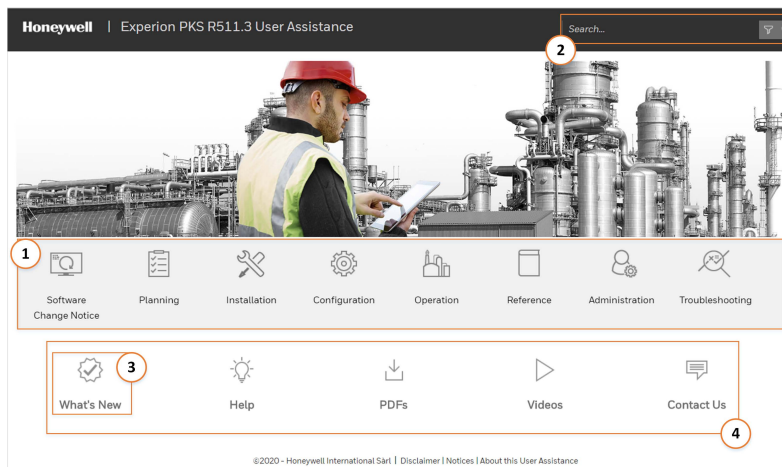
The User Assistance:

- 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 Safe View 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 Filter icon to minimize your search results to one of the available task categories. Click Help 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 PKS R511.4 Documentation

The Experion PKS R511.4 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 PKS user documentation contained in the User Assistance.

Document name	Document ID
Application Control Environment Rapid Restart Solution Guide	EPDOC-X405-en-511B
AM Parameter Family Reference Dictionary (New)	EPDOC-X687-en-511A
C200/C200E to UOC Upgrade Guide	EPDOC-X640-en-511C
Configuration Studio Overview Guide	EPDOC X113 en 511C
Control Builder Component Theory	EPDOC-XX16-en-511B
Control Builder Error Code Reference	EPDOC-XX17-en-511B
Control Builder Parameter Reference	EPDOC-XX18-en-511C
Control Building User's Guide	EPDOC-XX19-en-511D
Control-Builder-Components-Reference	EPDOC-XX15-en-511D
Control-Hardware-Planning-Guide	EPDOC-XX23-en-511B
EtherNet/IP User Guide.	EPDOC-X399-en-511G
Experion LCN (ELCN) Engineering Operations Guide	EPDOC-X639-en-511B
Fault Tolerant Ethernet Installation and Service Guide	EPDOC-XX36-en-511B
Fault Tolerant Ethernet Overview and Implementation Guide	EPDOC-XX37-en-511B
Hardware and Point Build Reference	EPDOC-XX50-en-511B
HART I/O Implementation Guide	EPDOC-XX51-en-511B
Integrated Experion-TPS Nodes User's Guide	EPDOC-XX66-en-511F
Meter Suite User's Guide	MSDOC-X308-en-511B
Migration Planning Guide	EPDOC-XX70-en-511D
Network and Security Planning Guide	EPDOC-XX75-en-511C
Operator's Guide	EPDOC-XX80-en-511D
PM Parameter Family Reference Dictionary	EPDOC-X645-en-511B
PROFINET User Guide	EPDOC-X567-en-511B
Project Engineering Users Guide	EPDOC-X471-en-511B
Quick Builder User's Guide	EPDOC-XX91-en-511D
Sequential-Control-User's-Guide	EPDOC-X122-en-511D
Series A Fieldbus Interface Module User's Guide	EPDOC-X124-en-511A
Series C I/O User's Guide	EPDOC-X126-en-511B
Server and Client Configuration Guide	EPDOC-X127-en-511D

Document name	Document ID
Software Installation User's Guide	EPDOC-X136-en-511E
Startup and Shutdown Guide	EPDOC-X137-en-511N
Switch Configuration Tool User's Guide	EPDOC-X246-en-511B
UOC User's Guide	EPDOC-X512-en-511E
Supplementary Installation Tasks Guide	EPDOC-X138-en-D

3.2 Applicable nodes

This point release is applicable for the following nodes:

SLNo.	Node	Experion R511.4 Applicable?
1	Application Server (EAS)	Yes
2	Application Control Environment (ACE)	Yes
3	Application Control Environment TPN Connected (ACE-T)	Yes
4	Console Station (ES-C)	Yes
5	Console Station TPN Connected (ES-T)	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
13	Simulation Control Environment (SCE)	Yes
14	PHD Point Server	Yes
15	Collaboration Station	Yes
16	ELCN History Module (HM)	Yes
17	PCUS	Yes

3.3 Applicable modules

This point release is applicable for the following modules.

SLNo.	Module	Experion R511.4 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

SLNo.	Module	Experion R511.4 Applicable?
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	Yes
16	ENIM	Yes
17	ELCN Bridge / Universal Embedded Appliance (UEA)	Yes
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

Item No.	Controller path
17	Experion R410.4 (410.1.85.230)
18	Experion R410.4 CPCR1
19	Experion R410.4 CPCR2
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 (410.1.85.360)
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 (410.1.85.433)
47	Experion R410.9 Tools and Controller Hotfix1
48	Experion R410.9 Tools and Controller Hotfix2
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

Item No.	Controller path
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 R410.9 Tools and Controller Hotfix13
60	Experion R430.1 (430.1.92.3)
61	Experion R430.1 CPCR1
62	Experion R430.2 (430.1.92.100)
63	Experion R430.2 CPCR1
64	Experion R430.2 CPCR2
65	Experion R430.3 (430.1.92.120)
66	Experion R430.3 CPCR1
67	Experion R430.3 CPCR2
68	Experion R430.4 (430.1.92.150)
69	Experion R430.4 Tools and Controller Hotfix1
70	Experion R430.4 Tools and Controller Hotfix2
71	Experion R430.4 Tools and Controller Hotfix3
72	Experion R430.4 Tools and Controller Hotfix4
73	Experion R430.4 Tools and Controller Hotfix5
74	Experion R430.5 (430.1.92.183)
75	Experion R430.5 Tools and Controller Hotfix1
76	Experion R430.5 Tools and Controller Hotfix2
77	Experion R430.5 Tools and Controller Hotfix3
78	Experion R430.6
79	Experion R430.6 Tools and Controller Hotfix1
80	Experion R430.6 Tools and Controller Hotfix2
81	Experion R430.6 Tools and Controller Hotfix3
82	Experion R430.6 Tools and Controller Hotfix4
83	Experion R431.1 (431.1.49.1)
84	Experion R431.1 Tools and Controller Hotfix1
85	Experion R431.2 (431.1.49.103)
86	Experion R431.2 Tools and Controller Hotfix1
87	Experion R431.2 Tools and Controller Hotfix2
88	Experion R431.2 Tools and Controller Hotfix3
89	Experion R431.2 Tools and Controller Hotfix4
90	Experion R431.3 (431.1.49.130)
91	Experion R431.3 Tools and Controller Hotfix1
92	Experion R431.3 Tools and Controller Hotfix2

Item No.	Controller path
93	Experion R431.3 Tools and Controller Hotfix3
94	Experion R431.3 Tools and Controller Hotfix4
95	Experion R431.3 Tools and Controller Hotfix5
96	Experion R431.3 Tools and Controller Hotfix6
97	Experion R431.4
98	Experion R431.4 Tools and Controller Hotfix1
99	Experion R431.4 Tools and Controller Hotfix2
100	Experion R431.4 Tools and Controller Hotfix3
101	Experion R431.4 Tools and Controller Hotfix4
102	Experion R431.4 Tools and Controller Hotfix5
103	Experion R431.4 Tools and Controller Hotfix6
104	Experion R431.5
105	Experion R431.5 Tools and Controller Hotfix1
106	Experion R431.5 Tools and Controller Hotfix2
107	Experion R431.5 Tools and Controller Hotfix3
108	Experion R432.1
109	ExperionPKS_R432.1_C200-C300_FTEB-SeriesA_QVCS_Patch
110	Experion R432.1 Tools and Controller Hotfix1
111	Experion R432.1 Tools and Controller Hotfix2
112	Experion R432.1 Tools and Controller Hotfix3
113	Experion R432.1 Tools and Controller Hotfix4
114	Experion R432.1 Tools and Controller Hotfix5
115	Experion R432.1 Tools and Controller Hotfix6
116	Experion R432.2
117	Experion R432.2 EHB Tools and Controller Hotfix 1
118	Experion R432.2 Tools and Controller Hotfix1
119	Experion R432.2 Tools and Controller Hotfix2
120	Experion R432.2 Tools and Controller Hotfix3
121	Experion R432.2 Tools and Controller Hotfix4
122	Experion R432.2 Tools and Controller Hotfix5
123	Experion R432.2 Tools and Controller Hotfix6
124	Experion R432.2 Tools and Controller Hotfix7
125	Experion R432.2 Tools and Controller Hotfix8
126	Experion R432.2 Tools and Controller Hotfix9
127	Experion R432.2 Tools and Controller Hotfix10
133	Experion R500.2
134	Experion R500.2 Tools and Controller Hotfix1
135	Experion R500.2 Tools and Controller Hotfix2

Item No.	Controller path
136	Experion R500.2 Tools and Controller Hotfix3
137	Experion R500.2 Tools and Controller Hotfix4
138	Experion R500.2 Tools and Controller Hotfix5
139	Experion R500.2 Tools and Controller Hotfix6
140	Experion R500.2 Tools and Controller Hotfix7
141	Experion R500.2 Tools and Controller Hotfix8
142	Experion R500.2 Tools and Controller Hotfix9
143	Experion R500.2 Tools and Controller Hotfix10
144	Experion R500.2 Tools and Controller Hotfix11
145	Experion R500.2 Tools and Controller Hotfix12
146	Experion R501.1
147	Experion R501.1 Tools and Controller Hotfix1
148	Experion R501.1 Tools and Controller Hotfix2
149	Experion R501.2
150	Experion R501.2 Tools and Controller Hotfix1
151	Experion R501.2 Tools and Controller Hotfix2
152	Experion R501.2 Tools and Controller Hotfix3
153	Experion R501.2 Tools and Controller Hotfix4
154	Experion R501.2 Tools and Controller Hotfix5
155	Experion R501.2 Tools and Controller Hotfix6
156	Experion R501.2 Tools and Controller Hotfix7
157	Experion R501.4
158	Experion R501.4 Tools and Controller Hotfix1
159	Experion R501.4 Tools and Controller Hotfix2
160	Experion R501.4 Tools and Controller Hotfix3
161	Experion R501.4 Tools and Controller Hotfix4
162	Experion R501.4 Tools and Controller Hotfix5
163	Experion R501.6
164	Experion R501.6 Tools and Controller Hotfix1
165	Experion R501.6 Tools and Controller Hotfix2
166	Experion R501.6 Tools and Controller Hotfix3
167	Experion R510.1
169	Experion R510.1 Tools and Controller Hotfix1
170	Experion R510.1 Tools and Controller Hotfix2
171	Experion R510.1 Tools and Controller Hotfix3
172	Experion R510.1 Tools and Controller Hotfix4
173	Experion R510.1 Tools and Controller Hotfix5
174	Experion R510.2

Item No.	Controller path
175	Experion R510.2 Tools and Controller Hotfix1
176	Experion R510.2 Tools and Controller Hotfix2
177	Experion R510.2 Tools and Controller Hotfix3
178	Experion R510.2 Tools and Controller Hotfix4
179	Experion R510.2 Tools and Controller Hotfix5
180	Experion R510.2 Tools and Controller Hotfix6
181	Experion R510.2 Tools and Controller Hotfix7
182	Experion R510.2 Tools and Controller Hotfix8
183	Experion R510.2 Tools and Controller Hotfix9
184	Experion R511.1
185	Experion R511.2
186	Experion R511.2 Tools and Controller Hotfix1
187	Experion R511.2 Tools and Controller Hotfix2
188	Experion R511.2 Tools and Controller Hotfix3
189	Experion R511.2 Tools and Controller Hotfix4
190	Experion R511.2 Tools and Controller Hotfix5
191	Experion R511.2 Tools and Controller Hotfix6
192	Experion R511.2 Tools and Controller Hotfix7
193	Experion R511.3
194	Experion R511.3 Tools and Controller Hotfix1
195	Experion R511.3 Tools and Controller Hotfix2
196	Experion R511.3 Tools and Controller Hotfix3
197	Experion R511.3 Tools and Controller Hotfix4

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 R511.4 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

Item No.	Direct migration of server and clients supported to R511.4 without installing R511.1
10	Experion R430.1
11	Experion R430.2
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
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 paths are:

- R511.1 to R511.4
- R511.2 to R511.4
- R511.3 to R511.4
- R511.1 Server patches to R511.4
- R511.2 Server patches to R511.4
- R511.3 Server patches to R511.4

NOTE

Upgrade path to R511.4 is only supported from "R511.x" or "R511.x + HF" as per the list in Section [Supported controller migration paths](#).

ATTENTION

The migration path from R510.2 Tools and controller Hotfix10 to R511.4 is not supported.

4.1 About Experion PKS installation and migration documents

The Read Me First-Experion PKS is provided in printed form with the Experion PKS R520.1 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 R520.1 User Assistance. For migrations from R41x.x to R520.1, 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 PKS system.

Name of the document	Document usage
Experion PKS R511.4 Software Change Notice	Before installing or upgrading to Experion PKS R520.1.
Getting Started with Experion PKS Software Guide	To get an overview of the Experion PKS system, and the overall installation or migration task flow.
Software Installation User's Guide	To perform a clean installation of Experion PKS R520.1.
Migration guides	Site-specific migration guides: The Upgrade Tool uses the migration guides available on the Experion PKS 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 to R511.4 migration path.

Name of the document	Document usage
Supplementary Installation Tasks Guide	To complete additional tasks once you have completed installation or upgrade of Experion PKS.
Integrated Experion-TPS User's Guide	If you have Total Plant Solution (TPS) nodes in your system, use this document to perform additional mandatory tasks after the Experion PKS installation is complete.
System Initialization Media Software Change Notice	The SCN provides the latest information about the Experion PKS System Initialization media and the platforms supported through that Initialization media.
Windows Domain and Workgroup Planning Guide	<p>The document provides the planning information for the Windows domain and workgroups.</p> <p>For R520.1, the Experion PKS 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 PKS, see the following documents.</p> <ul style="list-style-type: none">• Windows Domain Implementation Guide for Windows Server 2008 R2• Windows Domain Implementation Guide for Windows Server 2012• Windows Domain Implementation Guide for Windows Server 2012 R2• Windows Domain Implementation Guide for Windows Server 2016

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 any one of the following Experion systems installed:
 - Experion PKS R511.1
 - OR
 - Experion PKS R511.2
 - OR
 - Experion PKS R511.3
- 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 Experion Station - TPS (ES-T) and Console Extension Station (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, see the *Experion Migration Planning Guide* and *Upgrade Tool Users Guide*.
- This point release affects multiple subsystems and some other products that integrate with Experion PKS.
- 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.

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 PKS R511.1 Support Media Install completed on MM/DD/ YYYY HH:MM:SS AM/PM
OR
 - +Experion PKS R511.2 Support Media Install completed on MM/DD/ YYYY HH:MM:SS AM/PM
OR
 - +Experion PKS R511.3 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_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z01
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z02
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z03
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z04
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z05
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z06
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z07
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z08

- CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z09
- CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z10
- CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z11
- CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_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 R511.4](#)
- [Upgrade from R511.1/R511.2/R511.3 to R511.4](#)
- [Migrate from R41x.x/R43x.x/R5xx.x releases to R511.4](#)

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 or contact Migration COE at LSS.Migration.coe@honeywell.com. Registration is not required for point release update in Pure TPS without ELCN/EUCN or SCADA Only systems.

1. Create the Experion PKS Support Software media by downloading the latest point release media content from www.honeywellprocess.com website.
 - Refer [Downloading the point release media](#) for downloading the media.
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. This point release can be installed on any one of the following Experion systems installed:
 - Experion PKS R511.1
 - OR
 - Experion PKS R511.2
 - OR
 - Experion PKS R511.3
 - b. If the following line is present, the node has the appropriate product version to upgrade to this point release.
 - **+Experion PKS R511.1 Support Media Install completed on MM/DD/YYYY HH:MM:SS AM/PM**
 - OR
 - **+Experion PKS R511.2 Support Media Install completed on MM/DD/YYYY HH:MM:SS AM/PM**
 - OR
 - **+Experion PKS R511.3 Support Media Install completed on MM/DD/YYYY HH:MM:SS AM/PM**
4. Start upgrade. See section [Installation of the point release](#).

4.6.1 Clean installation of R511.4

1. Create the Experion PKS Support Software media by downloading the latest point release media content from www.honeywellprocess.com website.
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z01
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z02
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z03
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z04
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z05
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z06
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z07
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z08
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z09
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z10
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z11
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_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. See the *Experion Software Installation User's Guide* for assistance in installation.

4.6.2 Migrate from previous releases to R511.4

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 or contact Migration COE at LSS.Migration.COE@honeywell.com.

For example, you can migrate from Experion PKS R510.1 to Experion PKS 511.4. You need not migrate to R511.1 first and then upgrade to 511.4. For more details, see the *Experion Migration Planning Guide*.

To migrate to R511.4 from previous releases:

1. Create the Experion PKS **Support Software media** by downloading the latest point release media content from www.honeywellprocess.com website.
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z01
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z02
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z03
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z04
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z05
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z06
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z07
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z08

- CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z09
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z10
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_51156630.z11
 - CM_EXP511.4-23.0_Experion_Updates_DVD_R511.4_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 R431.x Install completed on MM/DD/YYYY HH:MM:SS AM/PM
 - ++Experion PKS R432.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. See the list of [Controllers and Tools 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. See the respective installation sections in the document.

Sl.No.	Experion nodes	See the section...
1	Server B	Installing the point release on Server B
2	Non-redundant server	Installing the point release on a non-redundant server node
3	Flex station	Installing the point release on Experion Application Server/Console/Flex/T-Nodes/Collaboration Station/Console Extension Station/eServer/Premium Access Clients
4	Console station	Installing the point release on Experion Application Server/Console/Flex/Console Extension station/eServer/Premium Access clients
5	Server A	Installing the point release on Server A
6	ACE/SCE/EHG	Installing the point release on ACE/ SCE/ EHG
7	E-APP/Experion Application Server/eServer	Installing the point release on Experion Application Server/Console/Flex/Console Extension station/eServer/Premium Access clients

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, see 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

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 PKS 511.4 > 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 PKS 511.4"**).
- 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 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. Enable the “**Experion PKS GCL Name Server**” Service by selecting its “**Startup type**” to “**Automatic**”

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 R511.4 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 PKS R511.4. 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, rebuild/save checkpoint and 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 if it has not been uninstalled
 - 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.
6. Perform the following steps to apply a new file replication entries.
 - a. Type the following command in the command prompt:
“hscconfig/PROFINETGSDMLCATALOGFILEREPI”

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

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 HPS Install 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.

9. Perform the following steps to disable Engineering Repository Database (ERDB) replication.
 - 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 PKS Experion PKS > 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 PKS 511.4"**).
- 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 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 PKS Server System service. To start 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= 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 switchover 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.

8. 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.

9. To uninstall Silverlight if it has not been uninstalled
 - 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 R511.4 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 PKS R511.4. 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, see 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 PKS 511.4 > 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 PKS 511.4"**)
- 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 PKS Server System service. To start 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= 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 R511.4 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 PKS R511.4. 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, Rebuild/save checkpoint and enable all the Checkpoint tasks.

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 PKS > Server > Station** to start the station.
 5. On the **Redundancy** tab, click **Synchronize** to synchronize the servers.
 6. Click **Manual Failover**. The server switchover 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. Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
 10. Perform the following steps to apply a new file replication entries
 - a. Type the following in the command prompt:
"hscconfig/PROFINETGSDMLCATALOGFILERE"

"hscconfig/PROFINETGSDMLCATALOGFILERE"
 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 if it has not been uninstalled
 - 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

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 completed 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 PKS 511.4 > 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 PKS 511.4"**).
- 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 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. Enable the "**Experion PKS GCL Name Server**" Service by selecting its "**Startup type**" to "**Automatic**"

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 R511.4 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 PKS R511.4. 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\fildmp" -restore -file "<%user selected data path%>\Honeywell\Experion PKS\Server\Data\acronym.5114.src"

For example, "c:\program files (x86)\honeywell\Experion PKS\Server\run\fildmp" -restore -file "c:\programdata\honeywell\experion pks\server\data\acronym.5114.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 if it has not been uninstalled
 - 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

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, see 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**.

Preventive steps:

Follow the below steps before starting the R511.4 upgrade process on ACE node:

1. Click **Start > Run**, type **Services.msc** and press **Enter**.
2. Disable the “**Experion PKS GCL Name Server**” Service by selecting its “**Startup type**” to “**Disabled**”

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 PKS 511.4 > 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 PKS 511.4"**).
- 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 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.

- 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**.

- Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.
- Enable the “**Experion PKS GCL Name Server**” Service by selecting its “**Startup type**” to “**Automatic**”

Validating the point release installation

- 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.
- Verify the **ProductVersion.txt** for the following:
+Experion PKS R511.4 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 PKS R511.4. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

Post-installation tasks

- Log on as a member of Windows Administrators and Product Administrators group.
- From Station or Control Builder, enable all the Checkpoint tasks.
- Load ACE node to monitoring side from Control Builder.
- Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
- To uninstall Silverlight if it has not been uninstalled
 - Navigate to Start Menu > Control Panel > Programs > Uninstall a Program.
 - 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 Installation of supported optional features for point releases on a non-Experion node

Installing the point release

1. Browse to the folder containing the installer **Experion PKS 511.4 > 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: "\\199.63.5.151\temp\Experion PKS 511.4"**).
- b. Ensure that the path mapped (for example, \\199.63.5.151\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**.

2. 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.
3. Click **Next** and enter the Password in the Login Credentials panel to perform the auto log on after restart.

4. 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.
- If the installation is being performed from the network, map the network drive and launch the installer again after a 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.

5. 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 R511.4 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 PKS R511.4. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

4.7.6 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 PKS Installation media after installing this point release. To update the installed optional common component package version to Experion PKS R511.1 version, you must reinstall Experion PKS R511.4.

Follow the steps provided in the following respective sections to update the installed optional common component package version to Experion PKS R511.4.

- [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/ SCE/ EHG](#)

4.7.7 Upgrading Control Firewall firmware

You can update the Control Firewall firmware using the Control Firewall Update tool. You can launch the tool from the Configuration Studio or as a standalone tool. See "About the Control Firewall Update tool" topic in the System Definition and Configuration online help for information on launching the tool. See the [Firmware revisions](#) for the latest firmware version and file location details.

ATTENTION

Do not upgrade a CF9 pair together, as it may cause a Loss of View situation, make sure that you have identified each pair during the time of upgrade. Use one instance of the tool at a time.

Perform the following procedure to upgrade Control Firewall firmware.

1. Click **Start** > **Honeywell Experion Tools** > **All Honeywell tools** > **Engineering Tools**.
2. Control Firewall Update window appears.
3. Go to the path "C:\Program Files(x86)\Honeywell\Experion PKS\Engineering Tools\system\Firmware\CF9\" and select the file "CF9_PART1.HEX"
4. Select the Control Firewall firmware file "CF9_PART 1" and click **Start** for the update. PART 1 should be selected first and the micro version of the firmware will be updated.
5. Select the Control Firewall firmware file "CF9_PART 2" and click **Start** for the update, and the FPGA version of the firmware will be updated.

You have now successfully updated the Control Firewall firmware.

4.7.8 Migrating controllers

Updating the firmware

1. Perform the upgrade readiness checks using the Upgrade Tool (UT).
For more information about UT, see 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, see section "Controller Migration" in the respective *Scenario-specific migration guide*.

ATTENTION

It is not recommended to perform On Process Migration (OPM) on any controllers with indications that PAR 1-DE7CBWH might be active. Such indications are:

- Controller uses Master Recipes (MRs) and Control Recipes (CRs), also known as Class Based Recipes (CBR).
- Controller has reported repetitive cycle overrun alarms or controller has cycles for which parameter CPYCYCLEAVG [cycle number] is greater than 60%.

For any controller with such indications, perform an Off Process Migration to migrate to Experion PKS R511.3 Tools and Controller Hotfix6. For controllers where CBR is in use, procedures must be in place to handle Off Process Migration within the plant. This is because CBR design disallows the use of On Process Migration while there are CRs (also known as Activities) running. For further information, contact GTAC.

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
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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, see 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 PKS 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, see *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 PKS releases. The following Windows operating systems (English edition) are supported.

- On client nodes,
 - Microsoft Windows 10 Enterprise 2016 LTSB (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 PKS Backup and Restore

Experion PKS Backup and Restore (EBR) R501.x is qualified with Experion PKS R511.4. For more information, see *Experion PKS Backup and Restore User's Guide*.

5.8 Application Whitelisting

For more information, see R201.1 and later release of Application Whitelisting SCN AWL-*Carbon Black_SCN_WLDOC-X558*.

5.9 Firmware revisions

The following table provides details about the revised firmware versions:

Module	Module number	Firmware version	File
C200E	TC-PRS022	EXP511.1-42.444	cee50e.pcm
	TK-PRS022		cpmboote.pcm
C300	Cx-PCNT01	EXP511.1-42.444	c300.lcf
			c300app2.pcm
			c300app2_20.pcm
			c300app2_ehb.pcm
			c300boot2.pcm
			c300boot2_20.pcm
			c300boot2_ehb.pcm
			c300boot2x.pcm
			c300boot2x_20.pcm
			c300boot2x_ehb.pcm
			c300app3.pcm
			c300app3_20.pcm
			c300boot3.pcm
			c300boot3_20.pcm
			PCNT02.lcf
EHPM		EXP511.1-42.444	ehpm.lcf
			ehpmapp1.pcm
			ehpmboot1.pcm
EHB		EXP511.1-42.430	ehb.lcf
			ehbapp1.pcm
			ehbboot1.pcm
			enim2ehb.lcf
EIM		EXP511.1-42.438	eimeip_eim2_fte_hsrprp_signed_prod.pkg
ELMM		EXP511.1-42.313	elmm.lcf
			elmmapp2.pcm
			elmmboot2.pcm
Classic ENIM/ENIM		EXP511.1-42.444	epni2.lcf
			epni2app1.pcm
			epni2boot1.pcm
ETN		EXP511.1-42.313	etn.lcf
			ETNapp1.pcm
			ETNboot1.pcm

Module	Module number	Firmware version	File
FIM		EXP511.1-42.313	fimboot.nvs fimboot.pcm fimrex.nvs fimrex.pcm
FIM4		EXP511.1-42.313	fim4.lcf fim4app2.pcm 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		EXP511.1-42.440	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

Module	Module number	Firmware version	File
UEA (ELCN Bridge)		EXP511.1-42.444	ueaelcn_brg_uea2_fte_signed_prod.pkg
UEA (ELCN Node)		EXP511.1-42.444	ueaelcn_node_uea2_fte_rdn_dL_signed_prod.pkg
UOC		EXP511.1-42.444	uocprocess_cpm_fte_hsrprp_tracker_signed_prod.pkg
CF9	Cx-PCF901 (Hardware Revision – D)	TT	51121439_MFG.HEX 51121439_MFG.Checksum.txt 51121440_mfg.hex 51121440_mfg_Checksum.txt CF9_PART1.HEX CF9_PART2.BIN

6.1 Experion Local Control Network (ELCN) Unified Engineering Tools

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

Beginning with Experion R511.4, the Experion Engineering tools facilitate Application Module (AM) point configuration and support all of the operations mentioned in this section as applicable to AM.

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 LCN/UCN 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.

NOTE

The minimum required TPN release is R688.5.

- Provides a consistent user experience for all configuration tasks.
- Ease of migration of database from LCN 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.

6.2 Profinet on Ethernet Interface Module (EIM)

The PROFINET on EIM Platform Block presents parameters which describe key characteristics of PROFINET and allows a subset of those parameters to be configured. The PROFINET Block is configured within Experion Control Builder along with all other elements of PROFINET configuration.

Profinet on EIM supports the following starting from R511.4:

- Profinet RT Class B
- Profinet Cyclic Data, Acyclic Data, Diagnostics and alarms
- MRP
- Profinet S2 system redundancy

6.3 Telvent OASyS Migration Support

The following enhancements have been made to SCADA points. These changes will also assist customers migrating from Telvent to Experion.

- Configure status points that can have 3-bit output states
- The decimal places applicable to the raw PV of accumulator points can be configured
- Three new PV Algos that can be enabled using the Component Manager in Quick Builder:
 - PV Algo 25 – Advanced Production. This algo can be attached to an accumulator point or an analog point with a PV that represents an accumulation. It totals hour, shift, day, week, month, and year production volumes by using a PV that represents an accumulation. The projected volume and the average production rate for each period, and the current production rate are also calculated.
 - PV Algo 26 – Advanced Integration. This algo can be attached to an analog point with a PV that represents the current production rate. It performs integration of the production rate to obtain hour, shift, day, week, month, and year production volume totals. Projected volumes and the average production rate for each period are also calculated.
 - PV Algo 27 – Advanced Run Hours. This algo can be attached to a status point or an analog point with a PV that represents the enumeration of a state. It totals the number of hours that a point has been in the run state during the current hour, shift, day, week, month, year, and since the last reset of the indefinite period total.

6.4 EHPPM HART integration

Experion R511.4 and TPN R688.5 introduces EHPPM with HART IOP support (HART AO_16, and HART HLAI IOP's and FTAs). This involves optional off-process upgrading of existing EHPPM Conventional I/O to HART I/O for HLAI and HART AO_16 modules, thus providing the capability to control and monitor HART field devices using an EHPPM controller. The HART channels can be configured and enabled in Control Builder by adding a HART HLAI and HART AO16 IOP from the existing PMIO Library using the new Unified Engineering Tools capability.

NOTE

This upgrade applies only to Experion-integrated EHPPMs and does not apply to PM/APM/HPM.

NOTE

The EHPM HART support requires the EHPM Connection License, and the access to HART data is only available to Experion customers.

Experion R511.4 and Field Device Manager (FDM) R511.4 introduces FDM integration with EHPM HART. With this integration, FDM can be used for configuring, commissioning, and maintaining of smart field devices based on HART protocols connected to EHPM HART IO modules. FDM is a complete instrument asset management system that can range from a single self-contained server/client node to a large distributed architecture, such as the Experion system.

6.5 UOC Retention Restart

The UOC's retention restart operation has been enhanced to remove the UOC retention data 48 hour expiration threshold. The Retention Data Expired, Time Sync Not Configured, and Time Sync Timeout retention restart veto reasons are no longer applicable as the UOC retention data no longer expires due to time-of-life.

6.6 C200 to 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 R511.4, 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. In R511.4, the following additional Series A IOMs are supported on UOC:

Series A chassis-based IOMs:

- TC/TK-OAH061 (and its Rockwell replacement of 1756-OF6CI and 1756-OF8I): Analog Output, 6-point, 4-20 mA
- TC-MDP081: Pulse Input Module, 8-point, 5-24 Vdc

Series A Rail IOMs:

- TC-FIAH81 (and its Rockwell replacement of 1794-IE8): Analog Input, 8 pt (4-20 ma and 10v) non-isolated
- TC-FOA041 (and its Rockwell replacement of 1794-OE4): Analog Output, 4 pt (4-20 ma and 10v) non-isolated
- TC-FID161 (and its Rockwell replacement of 1794-IB16): Digital Input, 24V dc in, 16 pt
- TC-FOD161 (and its Rockwell replacement of 1794-OB16P): Digital Output, 24V dc out, 16 pt

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 (COE) will be involved.

6.7 Batch Enhancements – Enhance Transition block input conditions

For SCM/RCM/MRs configuration, the number of conditions supported per transition block is increased from 10 to 16.

6.8 Support for OPC UA Server on a UOC Controller

The OPC UA Server can be configured on a UOC controller and provide read and write data access to an OPC UA Client. The following project configurations are enabled in this release:

- Creation of OPC UA in UOC
- Configure OPC parameter in OPC UA configuration
- Enable and Disable OPC UA Server in UOC
- Configure OPC UA Server and related address space parameters
- Export and import of UOC with OPC UA Server configuration
- QVCS of UOC with OPC UA Server configuration

NOTE

The download of OPC UA Server is not supported in R511.4.

6.9 Revised SCADA Point Faceplates

Standard SCADA Faceplates for Analog and status points displays unused parameters though no address is assigned to SP, OP, MODE parameters.

- The new server wide setting "Hide unused SCADA parameters" will allow users to show or hide the unused parameters in standard Faceplates
- PV parameter will always be shown
- The unused parameters will be shown by default and the setting can be controlled by a user with manager level access

6.10 Selection List enhancement on Export Feature

Beginning with R511.4, the Export feature supports selection list file (.SL). You can use the selection list file to export the required strategies /user defined types /templates in the export dialog.

6.11 Import with overwrite support for Custom Block Type

Import feature supports overwrite of custom block types. A new check-box option is provided that you can select to import the custom block types to overwrite an existing type. Not selecting the check-box will result in existing default behavior of the types getting imported with a new system provided name.

6.12 Selection List enhancement on List View

1. When user searches for tag name in tree view, tag will be selected. Chart will not be opened as part of the selection activity.
2. Project side/Monitoring side List View will support Selection List file and can be used to filter the items.

6.13 Fault Tolerant Ethernet (FTE) Support for 1 Gbps connection speeds for computer platforms

FTE can now be configured to support one Gigabit per second connection speeds for computer node types. New switch configuration files and updated documentation allows the computer node types such as, Experion PKS Servers and Stations to connect at 1 Gbps connection speeds, that are connected to Cisco or HP switches, Cisco 2960X, HPE Aruba 2930F and Cisco IE3300. Virtual machines can also be configured for 1 Gbps speeds.

6.14 FTE Cisco IE 3300 switch support

Introducing the latest Cisco Industrial switch the IE3300 (SI-3300I2). This switch is a replacement for the Cisco IE3000 (NE-SW504S and NE-SW508S) switch, which has gone End of Life. The IE3300 supports up to 1 Gbps connections, expansion modules to add 16 or 8 additional ports.

6.15 FTE Cisco 9200 and 9300 Router support

Introducing the latest Cisco qualified routers for use in Virtual L2.5 network and other Level 3 applications, the Cisco Catalyst C9200-24T-A (SI-9200R4) and C9300-24T-A (SI-930UN4) running with IOS XE 16.12.4. These routers are replacements for the Cisco Catalyst 3850-24T-E (SI-3850R4), which has gone end of life. These routers support 1 gigabit connections with the ability to install expansion modules with up to eight 10 gigabit connections. Both routers support redundant power supplies.

6.16 FTE Cisco 9300 Top of Rack (ToR) Virtualization support

Introducing the latest Cisco qualified switch for use in Virtualization Premium Platform ToR configuration, the Cisco Catalyst C9300-24UX-E (SI-930UN4) running IOS XE 16.12.4. This switch is the replacement for the Cisco Catalyst 3850-24XU-L (SI-385XN4), which has gone end of life. The SI-930UN4 supports the 10 GB/S connections for connecting the Dell Premium Virtual platform in ToR applications, with the ability to install expansion modules with up to eight additional 10 gigabit connections. The SI-930UN4 also supports redundant power supplies for maximum reliability.

7.1 Resolved PARs in Experion R511.4

[Installation and Migration](#)

[Common components](#)

[Controllers and Tools](#)

[Servers and Stations](#)

[Documentation](#)

7.1.1 Installation and Migration

PAR	Function	Description
1-D5N87MD	IXP-Import Export	Block type import failure during Migration from R432.2 HF8 to R511.4, at restore control strategies.
1-CTSLJJX	OPM-Controller Migration	FIM8 OPM is failing with the "LCF open file error". Also, mismatch in FIM8 folder and ver_rev observed.
1-CPJEG3R	OPM-Controller Migration	Include R511.4 support for migration from R410.9 HF13 (UIO FW) and R432.2 hf10 (UIO2 FW).
1-D8TEJG4	ELCN Experion- TPS Nodes	After ESVT is migrated from Experion R501.4 to R511.3 EHPM reports SOFTFAIL due to IOL errors.
1-B6YPO47	EBM-Tools	During Dual Primary State, delta flag appears on Project and Monitoring strategies after Server migration.
1-CKUCSWR	AddIns	Quick builder opens migration wizard again, in server A after migration is completed.
1-BZU6UUT	INS-Experion Installer	Experion update manager stopped working while migrating server and ES-T to R511.3 and R511.4.
1-6L3M1PS	Control Builder- Load/Upload/Update	Upload Failing for SCM with JumpZones on C5 TP9.0 build 97 and controllers on R410.9.
1-8G2HW29	OPM-Controller Migration	on-Process migration failed from C300v3E to C300v3E.
1-AX3AF12	Software Configuration Management - Phoenix	R501.2 EIM and UEA firmware folders are not present in R510.2 Rev 3.
1-AXNH3DH	Control Builder	Server migration failed in restore control strategies step, due to duplicate entry in DB.
1-B0RU5SZ	OPM-Upgrade Tool	UT Tool shows application error in R511 C2TP4 when C200E loaded.
1-BMICR5V	INS-Experion Installer	"System Configuration" Step taking more time than what is showing in install sequencer.
1-BMZ21SH	OPM-Migration Readiness Tool	LOC on UOC OPM in presence of DLR ring network fault.
1-CP3SUR1	QVCS For Displays	QVCS state change is not working after server migration.
1-D7B3GY7	INS-Experion Installer	During ELCN HM OPM, wizard halts at ESM client step with an error message.

7.1.2 Common components

PAR	Function	Description
1-CY9GXAR	CM-Configuration Management	C300 controller firmware flash fails with error "LCF file open Error".
1-CGEKUJE	INS-Experion Installer	Experion_wrapper stops working at Experion_TPS_System_Displays step.
1-D3WJPXL	QVCS	QVCS Qualification state configuration is not working as expected.
1-CQWWN4H	INS-Experion Installer	Group policies were reverted to the original state though user changes the policy to a different value.
1-CQ7VYGP	Security Model	Blank passwords are not recommended as this will cause RDP connection failure.
1-CRS5POZ	Server - Reports	Report is not printed from printer.
1-D4L6HAF	SafeView	SafeView buttons are not aligned and have small blank space after Infrastructure hotfix install.
1-ATON8KB	I/O-Series C	Series C Pulse Input Module configuration and usage info is missing in documentation.
1-D2NTZW7	Network-FTE	ARP broadcast storm generated during file transfer resulted in loss of view.
1-5X96F9U	Signon Manager	New ACS Card Readers do not function with MFA or Signon Manager.
1-968GWXU	Network-FTE	FTE Status Display Tool failed to detect migrated Server B as a node in dual primary state.
1-9W77YI9	CEUOC-Platform-Virtual	First-time switchover after enabling FT results temporary LOC with CE900 IO.
1-A1P6NR9	Network-Equipment and Support	IGMP General Message sent with 0.0.0.0 IP address as source by add route function.
1-A29JSOI	EBM-Controller	Elements can be missing from Unit Timeline and PE after console station or non-redundant server reboot.
1-AWWYG9T	ELCN Experion-TPS Nodes	ELCN Nodes go to ISOLATED state when there is a dual clock master in LCN.
1-BLOX317	Network-FTE	Yellow Switch Power Recovery may cause momentary failed read/write connections to ESV OPC/TPN/DSA.

7.1.3 Controllers and Tools

PAR	Function	Description
1-D38N6JJ	Control Builder	C300 Checkpoint rebuild failed with P2P strategies of C300-EHPM.
1-DEQB1H9	Control Builder	Clear all Locks causes bulk update of the SRDB.
1-DOR1UNH	Control Builder-Bulk Build	Create Bulk Edit does not expose Trans Block para OP[x].SRCEXP or C[x].EXPR in Recipe.
1-D9O6N83	Control Builder-Load/Upload/Update	Connection between the block for the CM is lost and all the blocks have error 7005 after a reload operation.

PAR	Function	Description
1-CLNH8R3	Control Functions - Continuous	Application error on C300 dual due to Ethernet/IP unassigned blocks.
1-COI8J91	EBM-Controller	Cancellation does not occur for Recipe Block element, when Activity is removed after JUMP.
1-D3US6KV	EBM-Tools	Server Migration database from R510.1 to R511.4 failed.
1-DAMHAVD	Ethernet/IP-COMMUNICATION	Ethernet/IP devices drops connection momentarily on UOC switchover.
1-D89EOWV	Network-Equipment and Support	ACLs in Level1 and Split switch configurations cause no CDA Common with Controllers.
1-D3UAU53	PROFINET Embedded	During EIM switchover S2 device message floods the network.
1-CYSE4V2	PROFINET Embedded	EIM-PNET_LINK Profinet statistics does not work, returns 7011 error.
1-DOB0X6W	PROFINET Embedded	Output intreq is not generated when output module is pulled out.
1-D2OYKYJ	PROFINET Embedded	Profinet device load throws error while loading and not recovering.
1-D24BYWF	PROFINET Embedded	Primary EIM rebooted and secondary shows undesirable behavior on switchover operation.
1-CXZDZGJ	PROFINET Embedded	EIM Profinet Statistic shows Err7011.
1-D39YHD8	PROFINET Embedded	DCP scan does not work in B22.
1-AY4OGA2	PROFINET Embedded	After Checkpoint restore and UOC cold start, diagnostic alarms are not getting reported for bl20.
1-CZ3KSYT	PROFINET Tools	ET200S GSDXML parsing is taking more time for Profinet configuration tool.
1-D1W4QUF	PROFINET Tools	Profinet configuration tool fails to create new Profinet device in EIM.
1-D1W4QUM	PROFINET Tools	Profinet configuration tool does not retain Profinet devices configuration.
1-CV1ENUJ	PROFINET Tools	CM fails to load with AI\AO Channel IOPOINT_PARAM with PID block.
1-CUVPIT1	PROFINET Tools	Edit submod from tool creates multiple entries under same slot container. Fails to delete.
1-D6KJW51	PROFINET Tools	EIM Peer connection with C300 still remains on hold after deleting Control Module with Output reference notes.
1-D2XHJJX	PROFINET Tools	IMPORT of sub module fails for EIM with UDS IO point.
1-CUYMNE1	PROFINET Tools	Not able to delete wrong sub module from PN configuration tool.
1-D8VAH89	System Repository	SRSB SQL Migration Plug-In stops ER Server service during Data Collection using EMDA.
1-D191309	Control Builder-Load/Upload/Update	License limit 600 of template AI exceeded error, but only have 366 of 600 used.
1-CXEI5GA	Ethernet/IP-COMMUNICATION	Virtual UOC. Write operation to aggregate Ethernet/IP-UDT is not working. Unreliable write

PAR	Function	Description
		operation.
1-D541SLJ	Control Builder-Search	Online Data Search (ODS) does not terminate automatically if called via command line command.
1-CTKPX0H	EBM-Controller	When Master recipe is aborted, events are not generated in the event summary for the report parameter.
1-CPSQBVD	EBM-Controller	Parameter values are not getting written to the Proc datablock via step when look ahead enabled.
1-BU1ZAFB	Control Builder-Fieldbus	Fieldbus Device Instantiable Block upload/update.
1-AILT9K1	I/O-Series C	CC-TAID01 HART possibilities.
1-BBMTAPX	Control Builder	IXP drops impossible connections during import but indicates success.
1-CPSNCX2	Control Builder	Not allow to configure even number device index / IP of Remote field bus Interface.
1-D3GY01D	Control Builder-Configuration Form	Default CDP values not updated accurately in Cab block. Differs from given value in Parameter Def E.
1-CWOMLGT	I/O-Series C	UIO-1 Hard Fail and causes loss of control affecting the entire IOlink bus.
1-CNYJ4D1	Control Builder	Creation of Diagnostic Templates from DD fails in PET if DD has conditional exp in cmd48 string.
1-CXERXXT	EHPM_Tools	EHPM Display overload warning is reported for 4 seconds and cleared when RESETSTAT is turned ON.
1-CXFOZ1W	EHPM_Tools	EHPM Display overload. Alarms came up without any additions to the system.
1-CXT3OW1	Control Builder-Assign	You can reassign CMs in Project while its loaded to Monitoring.
1-D40GWMT	HDB Display Report Addin	HMIWeb Display Builder should display a warning message when a display exceeds performance criteria.
1-CR01F1P	Property Sheets	As a system engineer user should be able to configure output states for status points using three bits in Quick Builder.
1-CL6V0NY	SQL Database	Quick builder migration failed with error 'Unable to overwrite QBDB database' at dual primary state during server On-Process Migration.
1-AX415VR	PROFINET Embedded	UOC fails to report alarm for Profinet devices BL20 and TBEN after switchover.
1-C5VLXHR	Control Builder	Control Builder shows application error while Container CM is loaded.
1-CFA40WN	EBM-Controller	Child activity recreation does not happen in Peer UOC after it is set Inactive and then Active.
RELCNTN-5340	ELCN_UNIFIED_TOOL	ELCN DB Import tool is not able to handle naming convention of IOMs properly when two IOMs have the same name.
1-A9LTVF1	Control Builder	Not able create and save UDT of DEVCTL block.
1-CCBUNRL	DDManager	After deleting a template, import DD using

PAR	Function	Description
		HARTDDManager fails to list template name in HCFGDEV drop-down.
1-CUM1GLJ	Control Builder-Automated Device Commissioning	ADC Loop check support for certain Rose mount, VEGA, E and H field devices, no support for HART command 40.
1-AX415VR	PROFINET Embedded	UOC fails to report alarm for Profinet devices BL20 and TBEN after switchover.
1-CFA40WN	EBM-Controller	Child activity recreation does not happen in Peer UOC after it is set Inactive and then Active.
RELCNTN-2143	ELCN Experion-TPS Nodes	In Experion R511.4, EHPPM IOM modules in Control Builder Monitoring side may not work for some parameters.
REUCN-1244	EHPPM HART	All HART\Non-HART AO channels displaying 'Initialize Request' alarms although the channel is in good state in Native window when they are in FULL mode.
REUCN- 1262	EHPPM HART	The alarm tab data in system alarms is not consistent with C300-PMIO setup.

1-8L59F03	621 IO-LIOM	After copying the CUIFLAG.inc.xml file when trying to open the LIOM CM it gives error 1L.101.1211.
1-BFQ5UKT	CDA-Server	Server CDA data disconnects are observed multiple times during R511.1 stable run of 30days.
1-AEQYO3	CEP-Network-FTE	P2P Fetch and Push failed with vUOC and UOC upon ESXi FTE-Y cable fault.
1-B7UBS7R	CEP-Network-FTE	vUOC P2P initialized with S300 during Yellow/Green switches Power Off.
1-B8N2QM9	CEP-Network-FTE	Y-uplinkremoval/Poweroff TPLY cause P2P failures between UOC to other Peer nodes in diff switch.
1-BJ69RDD	CEP-Network-FTE	ICPP communication fails permanently on performing uplink cable fault between TL L2 and L2.5 Y.
1-BOC24TN	CEUOC-Platform	UOC drops sync during stable run after 15 days 7 hours, resync automatically.
1-B7NFNFR	CEUOC-Platform	UOC retention save can take >15 sec resulting in LOV and loss of peer-to-peer communication.
1-BN2HL4D	CEUOC-Platform	ELCN AM switched over automatically during stability after 15 days of module run-time.
1-BN2HLCI	CEUOC-Platform	ELCN BRDG, ENIM drops sync during stable run after 15 days 7 hours, resynchronization automatically.
1-B1PXYOI	CEUOC-Platform-Virtual	CEE Cycle Overruns were observed on VM ware FT-vUOC 50ms Controller during stable run.
1-B7H9A61	CEUOC-Platform-Virtual	RRR functionality in R511.1 SM3 is not working for VUOC.
1-BN80B5R	CF-Control Function	Missing description in alarm summary for UOC CEE due to Interlock Block.
1-CA49D49	Control Builder	SQL takes 80% to 90% of CPU in Server B on performing Control Builder Operations.
1-6CQRXN9	Control Builder-Automated Device Commissioning	During Assign and Load of cabinet ADC extra channel has been created in one of the UIO2 Module.
1-BOY4TZD	Control Builder-Automated Device Commissioning	Control Builder shows undesirable behavior while executing loop check on multiple analog input devices with Excel 2016.
1-5TYZT9F	Control Builder-Configuration Form	SIOMIOM Exported strategy if imported channels are failing to list in block property window.
1-66ORN4B	Control Builder-Configuration Form	Unexpected error appears while enabling server point build in IO template.
1-6ZO4YSZ	Control Builder-Fieldbus	FIM2 Device Replacement Fails.
1-69Q1RV1	Control Builder-Load/Upload/Update	DO channel (PWM) Period parameter is getting updated during reload of the channel when REDTAG.
1-BU46T8X	Control Builder-Load/Upload/Update	When we do an upload/update from UOC then control conformation is automatically checked in CMs.
1-6CELAV7	Control Functions - Continuous	FIM AO channel is not working when connected to YI parameter of OA block.
1-6NZYI55	Control Functions - Continuous	CS block, If PSO= ON and in MAN mode, Step open and step close commands are not working.
1-68R3QT7	CTools	C300 CPUFREEAVG dip and recover by ~5-7 % when

		we open and close Ctools.
1-9BWUDZ1	EBM-Controller	Dynamic Fetch configured SCM does not show the transition status properly during zooming operation.
1-B36QTP7	EHPM_Tools	Multiple error dumps are created during the Migration.
1-C6H7MED	EIM - Platform	EIM loaded with EtherNet/IP image unexpectedly shows undesirable behavior during normal operations.
1-96E4ICX	Ethernet/IP-CEE-EMBEDDED	Experion R500.2 C300 OPM Failure when using (Ethernet/IP Driver)) PF755 Channel in CM.
1-AZI99W3	Ethernet/IP-CEE-EMBEDDED	Ethernet/IP PF755 not able to write the output parameters.
1-CHWUGO5	Ethernet/IP-CEE-EMBEDDED	Ethernet/IP device reload fails with error "IO Add Conn Failed" After Migration/Freeze and SW.
1-6CROGAL	Ethernet/IP-COMMUNICATION	Simultaneous switchover of EIM and C300 results in Ethernet/IP devices drop and CLX strategies.
1-8X60QDF	Ethernet/IP-COMMUNICATION	Experion R500 cannot read more than 32 bits with the Ethernet/IP module.
1-6WOK7XT	Ethernet/IP-Tools	Ethernet/IP devices are communicating through EIM without valid license.
1-6WUEV3D	Ethernet/IP-Tools	C300 is allowing to load Ethernet/IP protocol without valid license.
1-8QJNVJ5	Ethernet/IP-Tools	Description of the Scaling parameter is not consistent with the corresponding input/output parameter.
1-8V4J2SJ	Ethernet/IP-Tools	Ethernet/IP type definition SaveAs function causes ERDB corruption. Showstopper.
1-B7HB31L	Ethernet/IP-Tools	BW-36944 Cannot download a Generic Ethernet/IP device when the generic device is checked in.
1-BE8UXD9	Ethernet/IP-Tools	PV value is not getting scaled for custom Ethernet/IP templates, it shows zero always.
1-BKZ34HV	Ethernet/IP-Tools	Turck IO hart enabled templates does not allow to disable hart support in library.
1-B6PNJ13	ELCN-Bridge	PCDI modulo 7 error in FPGA.
1-MOS5K3	I/O-PMIO	LLMUX2 TC "IOP" Firmware Fix for Response to a Hung FTA.
1-B5R3JI3	IEC61850_Tools	IEC61850 SEL710 device template cannot be assign to the IED block in Control builder error 6L.1019399.
1-GYZR4R	Missing/incorrect information	Operations affecting Link schedule may cause Mode Shed, primarily only with mixed macrocycles.
1-D07GTDD	ModBus TCP Infrastructure	C300 primary and secondary failed with error 03A9 resulting in loss of control
1-DCTM5YL	ModBus TCP Infrastructure	C300/UOCprimary and secondary failed with code 00D1.
1-9L7N7TP	Network-FTE	PCDI communicating with SM report conn. Failure and data loss frequently with UOC.
1-9IVERK7	PGM Hilscher Sycon .NET	Need to remove "ProcessImageMonitor" tab from secondary diagnosticUI in latest sycon.net version.
1-7L4QUY9	Profibus Interface Modules	GENPA/GENPAGW DSB fails to interpret digital value

		as defined in Profibus PA profile.
1-BS3DPUV	Profibus Interface Modules	Primary PGM failed with 03A9 and switched over to the redundant partner during runtime.
1-D89LON5	PROFINET Embedded	Profinet S2 Prim connection toggles during MRP fault near EIM ETH3.
1-9VJGDZX	ReferenceBlock-Tools	IOPOINT BLOCK configuration is moving from existing to new one after import with rename.
1-AYFDKQ8	ReferenceBlock-Tools	AO reference blocks is accepting OP from more than one PID.
1-BLSR725	ReferenceBlock-Tools	MAJOR ERROR: Block Type Migration Fail IXPtool.exe:bt_ixpcmn.cpp:1017: (IXP_ERDB) IOREFERENCES:AIREF.
1-B3510F1	Scenario-Based EMUG Missing/Incorrect Information	Consolidated EMUG review comments of R511 - C2 TP5.0.
1-6FU86T0	System Management	TPNServer is not getting stopped in EAPP node.
1-AWCO8MX	System Management	Cisco Switch Index reports either "NULL / ????" in system alarm summary.
1-B36FTWP	System Management	Multiple error dumps are created during the migration.
1-DFZ3SB1	Network-FTE Bridge	FTEB runtime improvement. ICP Resources error.

PAR	Subsystem	Description
1-C8PRYLO	Control Builder-Listview	<p>The following enhancements are made to the List View Selection List.</p> <ul style="list-style-type: none"> Tag will be selected, when user searches for the tag name in tree view. Chart will not be opened as part of the selection activity. Project side/Monitoring side List View supports Selection List file and can used to filter the items.
1-C8TGEF6	Control Builder-Bulk Build/Edit	Create bulk edit does not read/write the SCM/RCM parameter OP[1].SRCEXP.
1-AU7FMDT	EBM-Tools	When master recipe is loaded, a newly added map block to an associated unit class cannot be deleted.
1-CAULHA1	IXP-Import Export	Provide IXP Support for overwriting CBT.
1-CBMQUUF	CEUOC-Platform	Unexpected UOC failure due to DLR ring fault causing low CPU free.
1-C9LOT2X	Control Builder-Batch	Validate master recipe derived user defined template change parent to system template.
1-B1YONAD	QVCS	ERDB corruption after break in relationship with parent.
1-CXDKZBR	Control Functions - Batch	vUOC shows application error as a result of multiple nested transactions.
1-D0DKVMH	Ethernet/IP-CEE-EMBEDDED	Ethernet/IP I/O connection leak causes UOC-Ethernet/IP communication errors after controller on Process Migration (OPM).
1-CVXCFE0	CEUOC-Platform	Memory leak in UOC limits runtime to approximately 800 days.
1-D9A08I3	EBM-Tools	When importing a unit instance the NUMPARAMREF, NUMFNCREF and NUMBLKREF parameters should be ignored.
1-CP9S3JP	CCL	FREEZE function block INITOPT not working as intended.
1-D2BLGMY	Control Functions - Batch	CEE phase overloaded with modules when phase is configured with -1.
1-D57QCK3	Control Functions - Batch	JUMP functionality from Procedure Explorer is not working if Lookahead feature not enabled in CEE.
1-CVXZBY8	Control Builder-Change Parent	After change parent of a versioned strategy, revert to previous versions is blocked.
1-CONFQL5	Ethernet/IP-COMMUNICATION	Duplicate entry is created for IO modules on reload after switchover.

PAR	Subsystem	Description
RELCNTN-5491	ELCN	EHPM Timer Point and Totalizer values are not displayed correctly on Control Builder Monitoring Side and Experion Station Display.
RELCNTN-2077	ELCN	Self-Defining enumerations type are not supported for FLAG Device Control and Digital Composite points.
RELCN-2760	ELCN	EHPM Authentication Issue.
RELCN-2848	ELCN	When points are deleted randomly in the ENIM,

PAR	Subsystem	Description
		unrelated points disappear from EHPM Slot Summary display
RELCNTN-5076	ELCN- EHPM	PV Source for EHPM AI Channels shows always SUB in Experion Detail Displays and HMI Web Displays.
RELCNTN-5305	ELCN	AO channel (EHPM template) has issue in monitoring side.
RELCNTN-5336	ELCN	While configuring Slot number more than 27 error is displaying and not accepting the number for LLMUX channels if EUCN template was used.
1-DBI8BK5	ELCN Experion- TPS Nodes	Some HLAI IOPs reports IOL Error when its form is opened in UET Monitoring View.
1-C8DFBPU	Control Builder-Listview	Values not displayed for various parameters in the Listview when CPM is checked into QVCS.
RELCNTN-5505 RELCNTN-5506 RELCNTN-5529 RELCNTN-5546 RELCNTN-5541	ELCN	PV, OP and STATETXT parameters are not displaying appropriate values for Device Control and Digital Composite points on Experion Station Detail Display Faceplate.
1-D8UVDVP	Control Builder	In R511.3, Substitute Connections with few EUCN Block types do not work as expected.
1-DFIRBR5	EHPM_Control	Custom graphics with EHPM-CDA points randomly display false indications for REDTAG, IO, I1, SI.
1-DFIRBRF	EHPM_Control	EHPM resources may deplete over a period of time when used with CDA integrated systems.
1-DBG1WI5	C300 Controller	Enhance Redundancy Manager diagnostics.
1-DELOHA7	ModBus TCP Blocks	Assigning multiple blocks to the same PCDI channel causes controller failure.
1-D1G79VJ	ModBus TCP Blocks	PCDI is unable to establish communication with devices. Socket error 36 is observed.
1-DDO6IMB	OPM-Upgrade Tool	When running the 'Upgrade Tool - Prepare ACE nodes for cutover' tool, it is unable to complete the upgrade.
1-BLQW371	EBM-Controller	Error occurs while loading the recipe step type having 100 parameters. Only 50 parameters are enabled.
1-D2BCKPD	IXP-Import Export	When importing the Master Recipe, X-UNITNAMEREF and TARGETREF lose their template defining attribute.
1-DEQB1HI	System Repository	System repository process fails on the primary server when the process private bytes reaches the 32GB process size limits.
1-DBGI3KZ	Ethernet/IP-Tools	During switchover, UOC event shows HART notag notification but no HART device is found in the database.
1-DE6GIZZ	Ethernet/IP-COMMUNICATION	Ethernet/IP Scale memory, Auxiliary memory allocation does not have Confirm Memory on the Ram Retention Restart (RRR).
1-DGKV5EK	Ethernet/IP-CEE-	Improve Ethernet/IP Custom parameter validations

PAR	Subsystem	Description
	EMBEDDED	with respect to out-of-bounds array accesses.
1-DEI7HBL	EBM-Controller	Confirm memory is missing for custom range Auxiliary memory.
1-DEO4FX8	PROFINET Embedded	User Defined Symbols (UDS), Auxiliary memory handling needs to be done as mentioned in PAR 1-DE6GIZZ.
1-DFABAVL	EBM-Controller	References to the Master Recipe data must be cleared after the initial Control Recipe creation.
1-DFOYQDA	EBM-Controller	Experion Batch defects from static code analysis.
1-DFZ0BDJ	Control Functions - Batch	Master Recipe-Control Recipe chains could be corrupted if certain checks return error.
1-DFOEX6L	CEUOC-Platform	Add Instrumentation in UOC to log more information and generate complete core dump during reboot.
1-DDA4XWB	Control Functions - Batch	Dynamic Peer to Peer fetch is not working with flying transitions configured in the Master recipes.
1-BXK1A29	Ethernet/IP-COMMUNICATION	Device specific HART notification alarms do not show correct alarm descriptions.
1-DG1U59R	CDA-Embedded	The redundant UOC fails frequently in the stable run.
1-DFO40H3	CDA-Embedded	CDA req/resp access of 255-character strings (maximum CEE supports) returns error 7023.
1-DGO6IYP	CK-Control Kernal	CEE memory in UOC must run out before memory descriptors.
1-DE7CBWH	Control Functions - Batch	Potential Dual UOC controllers fails leading to a loss of control.
1-DHEV8JO	EBM-Controller	User is unable to remove a CR that is stuck due to low clone resource with "Lookahead disabled".
1-DHVCD1T	CEUOC-Platform	UOC should keep forwarding the DLR packets even when it is in ALIVE/RDY/FAIL state.
1-DI21CQ9	PROFINET Embedded	Secondary UOC losses rapid memory.
1-DI6US2J	EBM-Controller	vUOC failure is observed while performing batch operations.

7.1.4 Servers and Stations

PAR	Function	Description
1-D58XOSZ	SafeView	Station stopped working when launched with SafeView multi-window.
1-C1JK73T	Experion Station-Gus Display	While entering the OP in GUS face plate for a second time, the OP number is getting smaller size.
1-CRNR14R	Upload/Import	History configurations for Auxiliary parameters (A1-A4) on Analog Points is lost after upload/import in Quick Builder.
1-D8QU3H9	Algorithms	If action algo 77 is invoked, it may display "Display file page://0 not found" message on the station instead of calling up the display.

PAR	Function	Description
1-D9KGN4B	Algorithms	When a point configured for algo 26 is put in manual PV, it continues to integrate using the Input value rather than the PV value.
1-C6GVBM D	Batch Manager	In rare cases an application error is observed in server Activity Manager causing the Activity Summary to become unresponsive.
1-DOW2NOH	Batch Manager	Batch Data UI General tab does not show the most relevant fields and consistently fills them with data for child activities/phases and SCMs have no data.
1-D1UCUM D	Batch Manager	Resource use in Activity Manager may increase if Station unexpectedly terminates with Batch Timeline or Parameters UI open.
1-CK7BK97	Batch Manager	Parameter details may show blank if not viewed within 7 minutes of opening Batch Summary or Procedure Explorer.
1-DCKCULD	Batch Manager	In rare scenarios Batch Summary will temporarily show questionable status when Units are downloaded from Control Builder
1-DBG2J2D	Batch Manager - API	If an Experion batch system has a large number of recipes an MES may receive an error when trying to retrieve a filtered set of recipes.
1-DCITVSP	Batch Manager - API	In rare cases, if GetActivityList is called with a tagname filter, the Experion BatchAPI will not return the expected number of activities.
1-D91RGZF	Batch Unit Timeline	Unit Timeline bar names can go off-screen and not be visible to operators without panning.
1-DA4P5LX	Batch Unit Timeline	Enhancement to Unit Timeline to remove or retain predicted messages if they occur late or early respectively
1-CY7SFXR	Displays - General	If virtualization is not licensed, the tabs on the redundant server displays may not work.
1-A6Q048R	Displays - Point/Group and Faceplates	Unconfigured parameters are shown on SCADA faceplates.
1-CJK60ZJ	DNP3 - Interface	Loss of view to data on DNP3 channel may occasionally occur after performing a server switchover.
1-CL9KB5D	DNP3 - Interface	Bad or stale values are occasionally displayed for parameters on DNP3 level 3 controllers or ABB controllers.
1-CR024V5	DSPLY Subsystem	Invoking a display with numbers only in the name using request task may fail.
1-D9DQCD5	Displays - General	Script error prevents setting of DSA Advance security password.
1-DACCGNP	Displays - SCADA Controllers	The SCADA Controllers display may fail to load if controllers have descriptions with non-English characters.
1-DCLQYWD	Displays - SCADA Controllers	SCADA Controller display will not load on a Console Station unless the first Console Station is running and will always use the scope of responsibility of the first

PAR	Function	Description
		Console Station.
1-C270NNT	DSPLY Subsystem	Message zone shows incorrect value for a timer point-parameter.
1-DCJI333	DSPLY Subsystem	After migrating from Experion R431x to R501.x you may not be able to add points to the history assignment display being prompted that a higher security level is required despite having the required security level.
1-DD3G01Z	DSPLY Subsystem	After a server switcher, ENIM, AM, and EHPM items in Control Builder monitoring tree may show in red and errors may be shown on the detail dialogs for these items.
1-DDZ6HR5	DSPLY Subsystem	ENIM, AM, and EHPMs and their points may show as gray color in the monitoring tree in Control Builder which indicates that Control Builder was unable to show their status.
1-D87XWJT	Electronic Flow Measurement	Electronic Flow Measurement collections can prevent an overloaded channel from recovering from the overload condition.
1-D88IBU3	Electronic Flow Measurement	Electronic Flow Measurement will repeatedly collect all records laid down after migration to R511.3 after an EFM manager restart, increasing system load.
1-CW11S11	Eng - Server DB Config Utility	Databld import fails if trend range is greater than 1000000.
1-CBIW107	Event Archiving	In rare circumstances, server synchronization may fail during event synchronization on systems that have logged a very large number of events.
1-CPXZH8B	GDA - DSA Events	Some batch report parameter events are occasionally hidden on the Event Summary live view.
1-CQX8ATD	GDA - Notifications	Console station notification redirection will fail if the console station is synching to the Server for the first time and there are greater than 5000 activities in the System.
1-8R62ONF	GDA - Points	DSA Status page does not show correct "current primary server" when the publisher is in Dual Primary.
1-BY2ZU05	GDA - Points	Rare instance of a network disruption affecting a DSA link can cause brief inverse video on other connections after 2 minutes.
1-CWIQ7GP	GDA - Points	If history is requested from a disabled DSA server, Console stations connected to the subscribing server may disconnect
1-DCITVT2	GDA - Points	In rare cases when an activity is created points may go inverse video temporarily
1-DDYO3Y3	GDA - Points	Temporary inverse video on displays may be seen in systems with console stations if system points are being removed
1-6WM9PV1	IEC 61850 Interface	IEC61850 SCADA state descriptor shows wrong symbols in alarm summary when in Russian language.
1-8QLLB3	IEC 61850 Interface	Export dialog does not show configured IEDs.
1-CDWUN83	IEC 61850 Interface	Reports are toggling between enable and disable for

PAR	Function	Description
		IEC81850 integrated GE DI SOE Module.
1-CKUIFSX	IEC 870 Interface	IEC870 synchronization Utility fails to synchronize the IEC870PSDB database.
1-DB17ZD1	License Management	New license option to be introduced for EIM-Profinet.
1-B2JP1OV	Notification Management	On a system with no Console Stations, when a CDA confirmable message is confirmed using the Message Summary, the message will return to the message summary as confirmed but unacknowledged.
1-DDIWUZ3	Notification Management	Alarm Help popup may not show non-English characters correctly when used in ACM or Limit help text
1-9HINTZF	Notification Presentation	Alarm summary does not include a space between the value and units columns, making alarm data difficult to read.
1-CYDW00Z	Notification Presentation	If the Summary Displays font size is set to medium or large, underscores in tagnames are only visible if the individual item is selected.
1-D3ZEOS9	Notification Presentation	Alarm Help in Alarm Summary is not presented correctly and scroll bar hidden
1-AC8ZDL7	Notification Presentation	On Finnish translated systems, Single alarm selection and acknowledge does not work in sysAlarmSummary and sysSystemSummary display.
1-BCCK2WR	Notification Presentation	If an Alarm Table on custom display contains the Live Value field, the server log file may generate an excessive number of events when the display is open.
1-COBLIH7	Notification Presentation	The Alarm Summary Display cannot be called up pre-filtered by Asset.
1-C2WFAMN	Notification Presentation	If quick shelving is disabled, when an alarm is selected on the alarm summary CPU usage for the Station window process may increase leading to an unresponsive alarm summary.
1-CKUGMFL	Notification Presentation	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.
1-D17B3XN	Notification Presentation	No alarm help is shown when the Alarm Help faceplate is called up for a point.
1-CDU98F9	Notification Presentation Alm Tracker	Alarm Tracker disabled in Experion R511.3.
1-CZU5YHN	Notification Presentation Alm Tracker	On the alarm tracker when an alarm moves from the real time panel to the historical panel, the tag name of the alarm may be hidden for a short time.
1-CZURWFZ	Notification Presentation Alm Tracker	The alarm tracker can be incorrectly configured to have both the real time and historical period set to 5 mins which means there will be no historical area shown on the alarm tracker.
1-CZXHEVJ	Notification Presentation Alm Tracker	Attempting to acknowledge alarms in the alarm tracker as view only access level may not show an error message indicating why the acknowledgement was not applied.

PAR	Function	Description
1-CZS827T	Notification Presentation Alm Tracker	The "Most important alarm state out of view" tooltip on the alarm tracker may have missing alarm information text.
1-CK30JNF	ODBC Data Exchange	Application error occurs randomly while exporting Experion tags through ODBC data exchange.
1-D4723Y3	ODBC Driver	Journal Only bit is not fetched properly for SCADA points, as ODBC Driver returns Integer parameter as Float with rounding.
1-CQ77KSB	OPC Data Client (Flexible)	After changing the description of an OPC Advance point, the new description may not be updated on console stations or other servers connected via DSA.
1-DBSQ2BN	OPC Alarm/Event Server	DynAMo may be unable to collect alarms or events from Experion due to invalid characters in the subcondition field of the alarm or event
1-D6J29FH	OPC Data Client (Flexible)	When the Experion OPC scan task is connected to an OPC Server that sends raw data values and uses the IEEEPLB data format to translate the raw data, Experion shows an incorrect value for the parameter.
1-CHE00BR	OPC Data Client (Scan Task)	If an OPC connection using a redundant OPC channel fails due to a call that did not return from the OPC Server, the OPC channel may be restarted instead of failing over to the other link.
1-D1UKH7D	OPC Data Server	An OPC client connected to the Experion OPC Server is unable to browse parameters for a remote point where the item name and the tag name of the point are different.
1-CPZUKDB	Operational Applications	Unable to automatically trigger pipeline batch creation.
1-CO23RG7	Operator Security	Slow authentication against the domain controller for one user can slow down authentication for other users.
1-D5QGRN1	Operator Security	Some operator security functionality can get application error or become unresponsive due to bad input.
1-CBLMBHH	Reports	The OPC DA Server Usage report may fail if there are a large number of OPC items being read from the Experion OPC Server.
1-CUCUZ4D	Reports	The ODBC Server process memory usage can grow over time if many Experion Reports are run.
1-C8YVT1B	Scanning Subsystem	On changing the Unreasonable Value Alarm Priority of a point, the priority of any existing Unreasonable Value Alarm is not changed.
1-D9Y6UMH	Scanning Subsystem	If you combine alarm delays with non-consecutive bits then alarming does not work.
1-CIJHUXH	Scanning Subsystem	Support for 3 output (OP) bits in the SCADA Status Point.
1-CST2ANH	Scanning Subsystem	Rate of Change Alarms are occasionally not raised on SCADA points as expected.
1-CVVRXW9	Scanning Subsystem	If the A3 and A4 parameters for an analog point are set to the alarm limit parameters and are read from a

PAR	Function	Description
		different point parameter, an excessive number of events may be seen in the Event Summary.
1-BLQS0FH	Scanning Subsystem	ControlEdge RTU channels that are unconfigured are displayed as being in error.
1-BXPEOZJ	Server Scripting	In the Periodic Server Script editor, the script engine assigned to a script is shown as the script engine number instead of the script engine name.
1-D372ZAB	Server Scripting	In rare scenarios, Server scripting events may not fire after a server switchover.
1-DCIKUBJ	Service Framework	Quick Builder database does not get replicated thus changes done on previous primary server are lost in new primary server after server switchover.
1-D9IYBJH	System Libraries	Deviation High /Low Alarm Behavior is incorrect when Point SP changes.
1-CR024WR	Timer Exec. (wdt, timer)	If an Experion system has 20+ disconnected OPC channels unwanted switchovers can occur.
1-D8QNURJ	TPS Interface	Loading EHPM points from Control Builder may fail if the TPS system interface on the ESVT has lost connection to the TPN Server.
1-D8PZ72V	TPS Interface	Loading a new EHPM point from Control Builder with the option "Change state to Post-Load State after load" checked may fail with "SDA Unknown error".
1-CQIO6XR	TPS Interface	Occasionally after starting Control Builder, the monitoring view may show the EHPM controller and its points in red and the module properties dialog for these items may show all values in error.
1-DCLRNZP	TPS Interface	Errors may be seen on the chart view of EHPM AI channels from the monitoring tree in Control Builder.
1-D3AX03J	TPS Interface	PHD may show blank or incorrect engineering units for TPS points.
1-DERF273	TPS Interface	When loading an ELCN point in Control Builder and the inactivate/activate option is selected, the load of the point may fail if the ELCN point has not previously had the monitoring form opened in Control Builder.
1-DER4VFH	TPS Interface	Unable to load PMIO IOMs from Control Builder if the number of CDA points has reached its licensed limit.
1-DF896HX	TPS Interface	Importing TPS points into Control Builder using either Automatic Point Import or ELCN Database Import Utility and downloading to Experion may remove the history configuration for the TPS points.
1-BRNJ003	Station Application Framework	Alphanumeric configured to display Hexadecimal values may fail to show correct value.
1-CA8K4AH	Station Application Framework	Station resource usage may increase if an issue occurs with display scripting, which may eventually cause the application to stop responding.
1-CC4J1SP	Station Application Framework	If a Station window becomes unresponsive it may affect data entry and display call-up of other Station windows.
1-CI89M8T	Station Application Framework	Station may become temporarily unresponsive when OEP/IKB LED status changes during periods of high

PAR	Function	Description
		alarm activity.
1-DB9EOUF	Station Connection Dialog	Connect dialog will not let you enter a 3-digit station number.
1-CB557Z1	Station switchover	Faceplates get loaded in different placeholders after a switchover.
1-BZYJYAN	Station Keyboard Support	Setting to expose font size in relegendable keys needs to be added to on-screen OEP keyboard.
1-CP2NJO1	Station Pop-ups/Faceplates	Auto-select may occasionally fail for the faceplate on Operator Touch Panel.
1-D6DEY3D	Station Printing	Custom Print Preview window is being caught by SafeView.
1-DOQ5FTN	Station Scripting	On Page Complete event may not fire if there are large tables, or many table objects in the display.
1-CO6PJQJ	Station Selection	Occasionally faceplate may not select the most appropriate parameter during repeated call-ups.
1-CU7ZNAJ	Station Keyboard Support	Prolonged rapid F4 key taps may cause Station to become unresponsive when tap/raise lower is enabled.
1-AQAKSWF	Station Notification Presentation	Process graphics that contain an activity table may show an error when the page is reloaded.
1-CTNKKXJ	Station Popups/Faceplates	Performing a copy paste into an equipment trend or a trend in a popup window causes the name to be pasted twice.
1-CQJZNH9	Station Selection	Script Errors and other events can cause station windows to be disabled and become unresponsive to user input.
1-4M64OMT	SafeView	Global focus attribute errors with the SafeView Graphical editor
1-8HNFKD5	SafeView	SafeView Text Editor program will not open when called from SafeView Graphical Editor.
1-9QLENXJ	SafeView	SafeView graphical editor removes 'closable = yes;' line from .WDL file when Closable box is checked.
1-ACEXSQN	SafeView	SafeView Graphical Editor - Window Specification Dialog group box is misaligned.
1-AEGHOUF	SafeView	When recalled for the third time, a minimized window such as the alarm summary page, appears overlapped.
1-AYN94AB	SafeView	Station Command Window not Always-On-Top when it is configured as such in SafeView.
1-AYQ3ZC1	SafeView	Station displays may invoke to the wrong screen when rapidly changing focus after invocation.
1-B3V3UY9	SafeView	App Find does not work well when using SafeView borderless windows.
1-B7O72FZ	SafeView	SafeView Classic option causes issues with Excel, Adobe, such as save/open dialog.
1-BURYB99	SafeView	SafeView may get application error on Prior Display invocation, when command line is large.

PAR	Function	Description
1-BYPPU0B	SafeView	Rapid invocations across screens/areas in focus-based workspace may go to incorrect window.
1-CBG7AHD	SafeView	On switchover, not all existing displays are properly positioned - faceplates are lost.
1-9AYTVVR	SafeView	SafeView fails on Prior Display invocation (with extremely long command line strings).
1-9FF4GZV	SafeView	Post a network disruption, the Experion OPC server requires a restart for existing clients to reconnect.
1-CURAMZP	SafeView	Experion System Management using multicast address and port can be used to cause a denial of service.
1-71UW1YB	SafeView	SafeView's wsmcli exception causing Station failures.
1-BXQZ94X	SafeView	SafeView may cause Station to become unresponsive.
1-D6I9YKV	SafeView	SafeView workspace syntax should flag duplicate window names .
1-6HAR9VP	SafeView	When closing displays, there is a brief white window flashing just after window is closed.
1-CVEGQKR	SafeView	SafeView faceplate placeholder is resized to take up most of the screen.
1-CLXQA7R	SafeView	Windows 10 'Start' button at left of taskbar may become unresponsive in SafeView.
1-AD6CNHF	SafeView	RDP is not managed correctly by SafeView.
1-CL9SZ7T	SafeView	Alarm Shelving Dialog box is hidden behind always-on-top (e.g. mini-trend) pop-up in SafeView.
1-COGCWJV	SafeView	Display windows do not show X (Close) buttons on top right.
1-DBSHUJD	Point Control Scheduler	Page Reload Error appears whenever we try to change parameters on point control schedule, holiday and shift schedule pages.
1-DBRO7SB	Point Control Scheduler	Contract Hours 1 to 4 on shift schedule page do not auto adjust time into equal shift duration/length of the shift unlike system definitions.
1-CT3EOV3	Reports	When there is a large number of items subscribed from OPC clients, the Performance Statistics Report may remain in generating state and fail after an indeterminate time.
1-DCQZFSA	Reports	SOE reports report no entries whenever a point is entered in the POINT ID field.
1-D6OTUGN	HMIWeb Station	Unable to open duplicate Faceplates across multiple monitors when opened using Request Task via script.
1-D4MLCBD	HMIWeb TPN Details	AM tags CDS block data Intermittently not populated in detail display CDS tab.

7.1.5 Documentation

PAR	Function	Description
1-C2MC14N	Experion Batch	Operator's Guide is updated to include details of change in the way parameters that displayed in Batch messages.
1-B31SQVL	Asset permissions	Server and Client Configuration Guide is updated to provide more detail about assigning assets to an Operator or Station enable access.
1-BX5SOX5	Network-Equipment and Support	Error in Network Best Practices documentation ACL definition.

7.2 Resolved PARs in Experion R511.3

[Installation and Migration resolved PARs](#)

[Common Components resolved PARs](#)

[Controllers and Tools resolved PARs](#)

[Servers and Stations resolved PARs](#)

7.2.1 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 shows undesirable behavior 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.
1-BORQ6WJ	On-Process Migration-Upgrade Tool	Truncated display of Auto proceed 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 Auto proceed window in UT tool.

7.2.2 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-	QVCS	QVCS property for states to disallow check outs.

PAR	Function	Description
C8PP7P9		
1-BQ2X0KJ	QVCS For Displays	Fail to restore display repository database.

7.2.3 Controllers and Tools

PAR	Function	Description
1-BJANE4F	CAB-Runtime	ACE node shows undesirable behavior if CAB exception is thrown with null message.
1-C43KOK3	CCL	UGM Blocks does not generate alarm for the active inputs and timer does not start.
1-BZVJ7OV	CCL	NORSOK blocks do not get restored by snapshot in simulation mode.
1-BVZ5TIR	CDA-Server	pscdasrv shows undesirable behavior 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 undesirable behavior during ACE Cut-over 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 shows application error 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 Enable Tree Monitoring option is not working.
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	Automatic DST causes logon failure on Server B every 15 minutes.
1-BXDUESJ	Control Builder	Control Builder shows application error a number of

PAR	Function	Description
		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-B4Ethernet/IPDB	Control Builder-Bulk Build	Bulk Configuration Tools - Bulk Edit Parameters does not work with Entity Name or Item Name.
1-C8TGEF6	Control Builder-Bulk Build /Edit	Create Bulk Edit does not read /write the SCM/RCM parameter OP[1].SRCEXP.
1-B9UA5K2	Control Builder-Chart	R510-Control Builder will get application error when doing general Control Builder operation in chart.
1-BT281CD	Control Builder-Chart	R510-Control Builder gets application error when doing general Control Builder 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 inherent correct name.
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 an 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	System Repository slowness in LRPC calls resulted CDA DATA disconnects and LOV.
1-AGMOZFX	Control Builder-Tree	Control Builder shows application error every time when closing after installing latest R500.2 SP4 and QB2.
1-CBMQUUQ	ControlEdge UOC-Platform	Application error on UOC 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.

PAR	Function	Description
1-BB3MJ1T	EHB_Translator	TD not applied to Z input on emulated 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-CHWUG05*	EtherNet/IP-CEE-EMBEDDED	EtherNet/IP device reload fails with error "IO Add Conn Failed" After Migration/Freeze and SW.
1-BOM08KH	EtherNet/IP-CEE-EMBEDDED	Unit Operations Controller shows application error 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-BBBUGM*	EtherNet/IP-COMMUNICATION	After freeze and switch over, 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 does not allow to disable hart support in library.
1-BD67FLD	EtherNet/IP-Tools	EIM Download Error.
1-C6H7MED*	EIM-Platform	EIM loaded with EtherNet/IP image unexpectedly shows undesirable behavior during normal operations.
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 Control Builder.
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 run time.
1-BXVDKLH	Software	Primary EAM in a redundant configuration 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.		

7.2.4 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-C14LOI5	HMIWeb Display Builder	Bulk upgrade of embedded shape fails when huge number of displays are selected at one shot.
1-AW5UKJ	HMIWeb Solution Pack	Issue with two context menus pulled up on top of each other on pop-up using 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 switchover.
1-B43UJYZ	HMIWeb Station	Control buttons on the Touch Panel remain enabled when Native window is selected.
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-BLOS6B	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 Experion Station Detail display issue for TPS point.
1-BYB3FMZ	Procedure Explorer	Procedure Explorer not able to draw a certain sequence structure.
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-CDA790L	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.

PAR	Function	Description
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 get application error 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.
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-BUOPORJ	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-BCOEEOI	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 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.

PAR	Function	Description
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 Experion 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 R501.1 ES-T node, the LCNP Status Applet shows card type as "K4LCN_8MW" for a LCNP4e2 type board.
1-BPIXM3T	Server - other or unknown	On a SCADA channel that uses a serial connect via a terminal server, if it has a B link, then that link stops when A link is placed out of service.

7.3 Resolved PARs in Experion PKS R511.2

[Installation and Migration resolved PARs](#)

[Common Components resolved PARs](#)

[Controllers and Tools resolved PARs](#)

[Servers and Stations resolved PARs](#)

[Documentation](#)

7.3.1 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.

7.3.2 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.

7.3.3 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 Entity Name or Item Name.
1-B0S6TON	Control Builder-Chart	Control Builder will get application error when printing the Control Modules to PDF.
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.

PAR	Function	Description
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.
1-5OJOH9R	PGM	Input Data Base Cycle Changed alarm reported for PGM.
1-B3Q3EOT	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 SCADA points which may prevent building of SCADA points.

7.3.4 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 (that is, 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 synchronization 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 switchover in BCC System incorrect.

PAR	Function	Description
1-B88UU4P	Server - Display Subsystem	DSPLY exe shows application error 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 do not appear if ICPP used to invoke batch Phases.
1-B22ORW7	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. UCNNW parameter returns '0'
1-B5549NT	Server - TPS Interface	Error encountered when downloading EHPM 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.
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 behavior.
1-AV9MHEW	Station Operator Touch Panel	Radio buttons on sysdtlflaga_fp and sysdtldevctla_fp faceplates have poor visibility when shown in dark theme.

7.3.5 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.

7.4 Resolved PARs in Experion PKS R511.1

[Installation and Migration resolved PARs](#)

[Common Components resolved PARs](#)

[Controllers and Tools resolved PARs](#)

[Servers and Stations resolved PARs](#)

7.4.1 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 message appeared during cleanR431.2 R3 installation.
1-AAIXS1L	On-Process Migration Tool	Honeywell engineering Tools installation fails due to impossibility to connect to ERDB.

7.4.2 Common components

PAR	Function	Description
1-43HBRXV	Experion TPS Infrastructure	[PCUS] After upgrading PCUS to R431.2, LCN addresses become 0.
1-5HLSYOB	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 and Safe Step Button not available while using Table view .

7.4.3 Controllers and Tools

PAR	Function	Description
1-B54ANSF	CEUOC-Platform	[UOC] HSR/PRP LAN ID Error Soft Failure must clear automatically when they stop.
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 I/O executing in UOC freeze for 6 Seconds during UOC switchover.
1-LH4MXJ	Control Builder	Phase Block with empty library name is getting created and 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-	Control Builder	Changing the position of CM1 within the containing CM (CM2)

PAR	Function	Description
AY7BUVN		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 is taking more than 1 hr open the chart.
1-B9UA5K2	Control Builder-Chart	R510-Control Builder will get application error when doing general Control Builder operation in chart.
1-BA5YL3H	Control Builder-Chart	Display with procops shapes causes freezes when sequence is in HOLD state.
1-6ASKHK5	Control Builder-Configuration Form	[SFT] Control Builder/Station becomes non-responsive 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 Control Builder 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 and PE after console station or non-redundant server reboot
1-PK1QJ5	EBM-Controller	CR stays in "Acquiring Resource" after issuing START to it after Circular OPM of C300.
1-BOVNNVR	EHPM_Control	LOC EHPM COMM shows undesirable behavior 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	Cannot download a Generic EtherNet/IP device when the generic device is checked in.

PAR	Function	Description
1-B83ACR3	EtherNet/IP-Tools	C300 EIM ControlLogix User Defined Tag do not accept -32768 as input for a 16-bit integer.
1-BB8U4XC	EtherNet/IP-Tools	R510.1 C300 EIM ControlLogix User Defined Tag do not accept -32768 as input SCALAR User Defined Tag.
1-BD67FLD	EtherNet/IP-Tools	EIM Download Error.
RELCNTN-1347	ELCN	Ethernet Input buffer loss in a Possibility 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 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 shows application error during stable run.
RELCNTN-489	ELCN T-Node	LCNP status shows 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	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) do not autoload when rebooting machine and LCNP stuck in OO-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 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 shows application error.
1-A29OLAP	IEC870 Interface	"IEC60870 Point Server" Service does not start automatically.

PAR	Function	Description
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.
1-5S2EVP M	I/O-Series C	Series C AI module state changes from Run to Idle on its own.
1-9MCOB71	Modbus TCP Infrastructure	C300 PC DI 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 and connect all the output channel status went to Bad_NonSpecific.
1-9V9Y7CT	Profibus Interface Modules	PB links, DSB and PBHIOMB are grayed out after enable/Disable sync and 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.
1-9CGREN F	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.

7.4.4 Servers and Stations

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

PAR	Function	Description
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 and gives the 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.
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-arming 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

PAR	Function	Description
		Timeline if a procedural element in it has a tag name longer than 30 characters.
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 switchover.
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-BCOEEOI	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.

8.1 Communication failure during EIM switchover

If you are using S1 devices during a EIM switchover, there will be a momentary loss of communication.

8.2 String Formula Parameter Limit

While configuring the formula or report parameters for phase block type using Parameter Definition Editor, it is recommended to configure the value of data type string, NOT more than 24 characters. Experion event journal and reports support and display a maximum of 24 characters for the parameter values.

8.3 EHPM with HART functionality needs user action after restore

EHPM with HART : A Restore of HART IOP Module or a Reload from ALIVE state of an EHPM will result in loss of HART functionality.

User Action : After restoring a HART IOP checkpoint (after reloading the EHPM or restoring a HART IOP Module), it is necessary to reload HART-enabled channels using Control Builder from the Project side to the Monitoring side.

8.4 EHPM HART system alarms in Experion Station

Active alarms do not disable in the system alarm summary when the 'Enable option' parameter is disable in the HART alarm option in the form configuration of IO channel. Experion server event processing cannot treat the same point name as emitter of both process and system events. For this reason, all HART system events are not reported against channel /point name but against the HART IOP. If so, the enable /disable HART events on a channel are reported as "text" events to Experion so as not to cause affect all possible events from other HART channels on the same IOP in the Experion system alarm summary.

8.5 Migration from Experion R430.5 or R430.6 with Experion Integrated EHPM fails due to “DGIN” block type (PAR 1-DF9EGYF)

To avoid this issue, you must run the ERDB Consistency Checker (ECC) V16 (or later) prior to starting the migration and ensure the check “List of EHPM-DIGIN PVCHGDLY parameter having incorrect Param code.” does not report any issues. See the following links for the ECC Tool and the associated software change notice, and work with the Migration COE as you prepare for your migration.

- ECC Tool - <https://www.honeywellprocess.com/library/support/software-downloads/Experion/check-erdb-sql.zip>
- ECC SCN - <https://www.honeywellprocess.com/library/support/Documents/Experion/ERDB-Consistency-Checker-Tool-Software-Change-Notice.pdf>

8.6 On-Process Migration of systems having peer-to-peer communication between ACE and C200/C200E

If the On-Process migrating system has Peer-to-Peer communication between ACE and C200/C200E, the following is the node migration sequence that must be followed during migration.

For On-Process Migration of systems having peer-to-peer communication between ACE and C200/C200E, perform the following procedure.

1. Migrate Server B.
2. Attain Dual Primary state.
3. Perform an off-process migration of ACE node by using the following procedure.
 - a. Before starting ACE migration, rebuild checkpoint of ACE from Control Builder Monitoring Side and take a checkpoint of ACE from migrated Server B.
 - b. Migrate ACE. The ACE appears in yellow color in Control Builder.
 - c. Restore checkpoint of ACE, ACE and CEE appears in blue color after checkpoint restore.
 - d. Perform a cold start of CEE and the ACE appears in green color.
 - e. Perform a checkpoint rebuild of ACE. A new checkpoint file will be generated.
 - f. Restore the checkpoint.

The ACE migration is complete.

4. Migrate Console Station.
5. Migrate Flex Station.
6. Migrate Server A.

8.7 Flashing Experion-integrated EHPM firmware using Standalone EPA Tool (PAR 1-D9ZYFZF)

DO NOT use CTools or Controller Migration Wizard (CMW) to upgrade Experion-integrated EHPM firmware, instead use the Standalone EPA tool distributed with TPN release “Utilities and Load Modules” (ULM) R301.22 or later media.

To upgrade Experion-integrated EHPM firmware using the Standalone EPA tool, see section “Migration from Experion-integrated (BOOT and APP) firmware to newer Experion releases” in the Customer Release Guide R688 or later.

8.8 Issues observed in Control Builder Monitoring Tree after upgrading from Experion R511.1 to R511.4 (PAR 1-DFUWNK3)

The AM Flag and AM Numeric points may appear in Red color in Control Builder Monitoring Tree after performing import operation using the ELCN Database Import Utility. However, this does not have any functional impact and all the Read/Write values on Control Builder Monitoring Form for AM Flag and AM Numeric points will work as expected.

8.9 Limitations enforced by SafeView (PAR- 1-DOXCP6D)

- SafeView workspaces should not contain a group with only one element, such as a round robin group with a single window in the group. Similarly, a group should not have its content as another single group. This was permitted in SafeView releases prior to R511.4.
- SafeView workspaces should not contain two items with identical names. A group or window should not contain identical name as any other group or window. This was permitted in SafeView releases prior to R511.4.

Following are the list of excluded applications in SafeView beginning with R511.4.

- Adobe Acrobat Reader
- LCNP Status window
- McAfee antivirus

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

ATTENTION

Experion R511.4 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-BT97N8T	Control Builder-Fieldbus	<p>Error Indication: Error "Encountered an improper argument" window appears.</p> <p>Description: For Fieldbus device ABB_LMT200, in monitoring tree, navigate to "ROOTMENU_LABEL->Diagnostics->Waveform" and hover the mouse pointer on graphs, error "Encountered an improper argument" window starts popping up.</p> <p>Recovery: This requires ending the contbldr.exe from taskbar.</p> <p>Workaround: None</p>
1-AW9MR7J	GCL	<p>Error Indication: During migration at restore control strategies step, a pop-up might be shown with title IXPTool.</p> <p>Description: While migrating ESVT-B, during restore control strategy step, IXP application error Pop-up appears, and by clicking on "Close the program" option on that pop-up, it will resume the migration.</p> <p>Recovery: Close IXP Tool pop-up as it will not hinder the migration process and the migration as expected.</p> <p>Workaround: Not applicable, system is able to recover in an ongoing process.</p>

PAR	Function	Description
1-BL7UXDV	IEC61850_Tools	<p>Error Indication: Block type import failed for the IEC 61850 Logical node (IELNODE) templates of specific vendor device when instances of the specific IELNODE exist. The Logical nodes affected are FLTMSTAO_E2_33_LIB1 and FLTMSTAO_F_36_LIB1 which belong to the devices ABB REF615_LDO and ABB REF620A_LDO respectively.</p> <p>Description: With the existence of above mentioned IELNODE instances in the database, migrating to any newer releases causes database migration failure with the following error message, "EXPKS_E_ERR_CL_DUPL_PARAMCODE (4L .101.9051) Not allowed to change Parameter code of the Control execution environment. loadable Parameter".</p> <p>Recovery: None.</p> <p>Workaround: 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.</p>
1-BMICR5V	INS-Experion Installer	<p>Error Indication: 'System Configuration Step is taking more time than what is showing in install sequencer.</p> <p>Description: This is observed in case of migrations in Process Server nodes, where the time taken for the step is indicated as 20s. Database operations are being performed as a part of migration step, it might take 2-5 hours based on the database size. Hence, the user is recommended to wait till the step completes.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-DI103W	INS-Experion Installer	<p>Error Indication: During migration to R511.x, following error is encountered during step 1 of migration.</p> <p>Step name in Status Display: Visual studio runtime 2017,</p> <p>Error in Status Display: Step task returns a non-zero value (1638),</p> <p>Description: This issue is noticed only on a virtual machine where ESXi version is above 6.5.0 Update3 and migrating to R511.x release. In these VMs, higher version of VC Runtime is already installed by VMware tools.</p> <p>Recovery: None.</p> <p>Workaround: Click OK on the Status Display and proceed with the migration.</p>
1-B306D7V	Missing/incorrect information	<p>Error Indication: Control Migration fails for controllers having Control Edge PLC point connection.</p> <p>Description: 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>Recovery: Contact TAC before you start the Server migration.</p> <p>Workaround: None.</p>

PAR	Function	Description
1-CXIBX8L	IEC61850_Tools	<p>Error Indication: Sometimes during OPM, the IEC61850 database restore operation fails.</p> <p>Description: IEC61850 database restore fails sometimes during OPM, as one of the files to be restored is blocked by another process.</p> <p>Recovery: None.</p> <p>Workaround: Restart the sequencer, once restarted the sequencer will be started from the same step of restoring the IEC data, thus completing the restore operation successfully.</p>
1-BZHMC1X	ELCN Experion-TPS Nodes	<p>Error Indication: ELCN OPC server stopped working and pop up error appears while migrating EST. This pop-up message is displayed during the Experion Migration /Installation in progress.</p> <p>Description: None.</p> <p>Recovery: Ignore the messages and proceed with installation. No actions are required.</p> <p>Workaround: None.</p>
1-D1BYAR5	Installation-Common Components	<p>Error Indication: In rare conditions, the Experion R511.x upgrade or installation through the Experion media may take longer duration (approximately 8-10 hours) than expected.</p> <p>Description: In rare conditions, the Experion R511.x upgrade or installation through the Experion media may take longer duration (approximately 8-10 hours) than expected. However, the upgrade/installation will complete successfully without any errors or functional impact.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-D1R69DH	CDA-Control Data Access	<p>Error Indication: ACE to C200/C200E peer-to-peer communication drops in interoperability scenario.</p> <p>Description: ACE to C200/C200E peer-to-peer communication drops in interoperability scenario, when the server is on the latest release and ACE is on base release and the ACE gets re-started.</p> <p>Recovery: None.</p> <p>Workaround: Refer Section-8.6:"On-Process Migration of systems having peer-to-peer communication between ACE and C200/C200E".</p>
1-B66VU9X	Profit Loop Assistant	<p>Error Indication: Issue observed in redundant server node.</p> <p>Description: Error appears while migrating from R500.2 to R511.4 during the "Restore ProfitLoop Data".</p> <p>Recovery: The error will not occur in 'With OS' migrations. So, proceed with "with OS" migration.</p> <p>Workaround: Safely acknowledge the error by clicking OK button on the error pop-up and proceed further with the migration.</p>
1-DGKK8QE	IXP-Import Export	<p>Error Indication: An error message "PatchDB failed to execute"</p>

PAR	Function	Description
		<p>will be displayed in the installation wizard while connecting to Database.</p> <p>Description: IXPTTool.exe fails to start due to fail in logonserver through Control Session. This failure causes a PatchDB error which will result in Migration Failure.</p> <p>Recovery: Rerun the Patch DB as indicated in the installation wizard. See "Trouble shooting section" in Server B migration user guide or NonRed Server migration user guide for further references.</p> <p>Workaround: None.</p>
1-DGX6RU5	EHPM_Tools	<p>Error Indication: "OWNINGENIM" parameter value on the EHPM platform block is "0" when the EHPM is migrated from R430.5 release.</p> <p>Description: If the EHPM Platform Block is migrated from R430.5 or below to newer releases of Experion PKS, the parameters within the "Owning ENIM" subgroup on the EUCN tab, remain 0 in both Project and Monitoring forms. Parameters showing 0 are UCN Network Number, Device Index and ENIM IP Address.</p> <p>Recovery: None.</p> <p>Workaround: If you are migrating from R430.5 to R511.4 then you must manually fill the OWNINGENIM parameters (Owning ENIM's Device Index, UCN Network Number and ENIM IP Address) in the Control Builder's EUCN tab for the EHPM you have migrated.</p> <p>If the newer release is R511.3 and above, apply caution while loading the platform block with respect to Point Mix and IO configurations.</p>
1-DBJ8BP9	CF-Control Function	<p>Error Indication: A store instantly fails when the controller pushes push block data and it is subjected to a Freeze & Switchover and Controller on-process migration.</p> <p>Description: A store instantly fails when the controller pushes push block data and it is subjected to a Freeze & Switchover and Controller on-process migration.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-DEGSVNV	Server - Installation and Migration	<p>Error Indication: GSDML Catalogue file replication is not available in R511.4 migrated servers.</p> <p>Description: The entry of GSDML file replication is not seen in migrated servers after configuring Profinet modules under UOC and EIM (imported gsdml catalog files) after server migration to R511.4.</p> <p>Recovery: None.</p> <p>Workaround: Follow step 10 in section Post-installation tasks (Installing the point release on a redundant server) and step 6 in section Post-installation tasks (Installing the point release on a non-redundant server node) for customers migrating from previous release to R511.4.</p>
1-DDZGT5F	CDA-Control Data Access	<p>Error Indication: CEE SCADA points stops working in dual primary state.</p>

PAR	Function	Description
		<p>Description: The non-CEE peer-to-peer subsystem has not been designed to be OPM aware in a dual primary (DP) state. The reason is that in dual primary state, a specific server may not have the complete data set available as Experion Servers would be in different server productions. Post upgradation of both Experion Servers to new production and SCADA points will start working like it was working in pre-migration condition.</p> <p>Recovery: Restart the peer responder service (CDA-SP) in DP state.</p> <p>Workaround: Restarting CDA-SP service on server B (new production release) in DP state will resolve the issue.</p>
1-D7B3GY7	INS-Experion Installer	<p>Error Indication: ELCN-HM node migration without OS-reinstall fails with an error "A later version is already installed on the system. Please uninstall the newer package prior to installing an older one" at ESM client installation step.</p> <p>Recovery: None.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Acknowledge the error to abort the installation. 2. Uninstall the packages "Honeywell Diagnostic Tools Infrastructure", "Honeywell ESM Support", "Honeywell Installation Builder" and "Honeywell Installation Tools Infrastructure" from Add-Remove programs and reboot the system. 3. Login with HPSInstall and run "<Software Path>\Honeywell\Experion PKS\Install\hwininstallsequencer.exe" (Run-as administrator).
1-DIMLNJF	CDA-Control Data Access	<p>Error Indication: ACE peer responder connections are not getting established after ACE strategies are loaded from Control Builder Project Side to Monitoring Side.</p> <p>Description: ACE responder connections with other controllers will be lost after upgrading to ACE Node to R511.4 and restoring the ACE checkpoint.</p> <p>Recovery: Same as workaround.</p> <p>Workaround: Perform switchover on the initiator controllers (C300, UOC). After this ACE responder connection will be established.</p> <p>If the above workaround does not resolve the issue or if the initiator controller is non-red, then follow the below workaround:</p> <ol style="list-style-type: none"> 1. Reload both peer-to-peer initiator strategy (loaded on the initiator controller) and responder strategy (loaded in ACE) 2. After reload ensure that the peer communication is established for all peer-to-peer strategies between that controller and ACE. 3. Repeat steps 1 & 2 for all other initiator controllers (Ex:C300,UOC and so on.) <p>Preventive steps:</p>

PAR	Function	Description
		<p>Before starting the R511.4 upgrade process on ACE node, follow the below steps :</p> <ol style="list-style-type: none"> 1. Go to services control panel. 2. Stop and disable Experion PKS GCL Name Service. <p>Perform R511.4 upgrade process on ACE node.</p> <p>Enable Experion PKS GCL Name service.</p>
1-DAB1AIN	CDA-Control Data Access	<p>Error Indication: After migration to R511.x, CEE-SCADA may loose its peer responder connection post OPM of Experion Servers</p> <p>Description: After migration to R511.x, CEE-SCADA may loose its peer responder connection post OPM of Experion Servers</p> <p>Recovery: Same as workaround.</p> <p>Workaround: Perform switchover on the initiator controllers (C300, UOC). After this CEE- SCADA connection will be established.</p> <p>If the above workaround doesn't resolve the issue or if the initiator controller is non-red, then follow the below workaround:</p> <ol style="list-style-type: none"> 1. Reload anyone P2P strategy loaded on the initiator controller for which the peer communication with CEE SCADA is not working. 2. After reload ensure that the peer communication is established for all P2P strategies between that controller and CEE SCADA 3. Repeat steps 1 & 2 for all other initiator controllers (Ex:C300,UOC and so on.)
1-CFMQKR9	EBM-Tools	<p>Error Indication: Database migration takes longer when migrating from any release prior to R511 to R511 or greater for the first time.</p> <p>Description: Database migration takes longer when migrating from release prior to R511 to R511 or greater for the first time.</p> <p>Once the system comes to R511 or later, and then migrating to further releases will not have any impact.</p> <p>Which customers/systems will see this impact.</p> <ol style="list-style-type: none"> 1. Customers who have large number of <ol style="list-style-type: none"> a. Step Blocks (with Output conditions) b. Transition conditions c. OPM time also increases when these Step and Transition block changes have to be pushed to SR. <p>This is a onetime change only.</p> <p>Recovery: None.</p> <p>Workaround: Multiple Workarounds depends on the needs</p> <ol style="list-style-type: none"> 1. Export the entire configuration from the old system and perform on a clean install on the new Server. Then do the load.

9.2 Common Components

PAR	Function	Description
1-BX8603B	Common Embedded Platform-Network-FTE	<p>Error Indication: The error will not be visible normally. Control strategies will not shed or report alarms. Delivery of IO HIVE input and output data will stop, and control strategies will execute with old data until recovery from the fault condition is accomplished.</p> <p>Description: A single network cable fault of a CF9 uplink or a Fault Tolerant ethernet switch failure, results in a 1-2 second interruption of IO HIVE control strategies, where IO HIVE control strategies have the control blocks running in a C300 and the IO Channels referenced belonging to a CN100.</p> <p>Recovery: After the fault, the FTE network automatically establishes alternate communication paths and the control strategy resumes executing with fresh data.</p> <p>Workaround: Run control strategies that cannot tolerate this interruption as local control in C300 or CN100.</p>
1-BLOX317	Network-FTE	<p>Error Indication: No Connection.</p> <p>Description: C series devices report connection failures on uplink fault.</p> <p>Recovery: Restore uplink.</p> <p>Workaround: None.</p>
1-B37FK6L	Qualification and Version Control System for Displays	<p>Error Indication: Apply Label operation gives "Object Locked" error when multiuser Control Builder operations are in progress.</p> <p>Description: When multiple users are simultaneously using Qualification and Version Control System and performing bulk Qualification and Version Control System operations and one of the user performs a Apply Label operation, the user might hit this issue.</p> <p>Recovery: Press cancel to come back to the Qualification and Version Control System query window.</p> <p>Workaround: Retry the Apply label operation again.</p>
1-4T1DB5N	Signon Manager	<p>Error Indication: Signon Manager does not provide correct access</p> <p>Description: Signon Manager does not provide correct access when the PC Universal Station is used both locally and remotely.</p> <p>Recovery: Use the PC Universal Station either locally or remotely, but not in both modes.</p> <p>Workaround: If the PC Universal Station is to be used locally, then use only locally; if the PCUS is to be used remotely, then use only remotely. Setting up a PCUS to be used both locally and remotely is not currently supported.</p>
1-BQ18KJM	Standard Series C IO Modules	<p>Error Indication: User will observe IOLINK channel A and channel B errors.</p> <p>Description: Secondary AOH module generates InvAlert IO link error which disables periodic swap in long run.</p> <p>Recovery: Configure the AOH module as Non-redundant configuration or Power off the secondary AOH.</p>

PAR	Function	Description
		Workaround: Configure the AOH module as Non-redundant configuration.

9.3 Controllers and Tools

PAR	Function	Description
REUCN- 1263	EHPM HART	<p>Error Indication: The HART parameter system alarms are not reported in IO channel form configuration.</p> <p>Description: The HART parameter system alarms are not reported in form configuration of IO channel, in the HART Device Status tab, in Control Builder.</p> <p>Recovery: None.</p> <p>Workaround: Check for HART system alarms in the System alarms page in Experion Station.</p>
REUCN-1602	EHPM HART	<p>Error Indication: Error observed while loading HART enabled channels when non-default values are selected for HART Alarm Enable state and HPVCHAR Parameters.</p> <p>Description: For a newly created HART AI channel if we select the HPVCHAR option as non-default that is, if you select 'System range' or 'System range and SQRT', then the channel gives an error for the HPVCHAR parameter after the load in the EF file, also the channels does not get activated or gets loaded in the Native window. This behavior is seen only for newly created channels which were not loaded earlier.</p> <p>Recovery: None.</p> <p>Workaround: Load the HART AI channel with the default option for HPVCHAR parameter that is, 'Device range' so that the channel load will be successful, later you can reconstitute the HPVCHAR parameter by configuring 'System range' or 'System range with SQRT' option.</p>

PAR	Function	Description
RELCNTN-5199	ELCN Experion-TPS Nodes	<p>Error Indication: When the CEE block of EHPM or ELCN AM Node is loaded from the Control Builder Project Tree, load to Server is successful and can be viewed in Station.</p> <p>Description: CEE is a container block for EHPM and ELCN AM. CEE block must not be loaded independently from Control Builder to Experion Server, since these blocks do not execute in EHPM or ELCN AM. When the CEE block of EHPM or ELCN AM Node is loaded in Control Builder Project Tree, it will be displayed in the Station System Tree giving invalid indications to the user.</p> <p>Recovery: None.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Do not load EHPM or ELCN AM node's CEE block from Control Builder, even though the Load menu is enabled on this block. 2. While loading Platform block for EHPM or ELCN AM node, if the Load with Contents option is selected, then ensure that the CEE block is not selected in the Load dialog box.
RELCNTN-5211	ELCN Experion- TPS Nodes	<p>Error Indication: Connector wire is not removed if Input/output connection is deleted from the form of the function block.</p> <p>Description: In CM under EHPM block if an Input/output connection is deleted from the form of the function block, the connecting wire, if it exists, will not be removed.</p> <p>Recovery: None.</p> <p>Workaround: The Control Module must be saved and re-opened for the wire to be removed.</p>
RELCNTN-2140	ELCN Experion- TPS Nodes	<p>Error Indication: In R511.4, when you update the STATETXT parameter for EHPM points DEVCTL, DIGCOMP, DI and Flag from Control Builder Monitoring Tree, the STATETXT parameter value will not get synchronized between Control Builder and Native Window.</p> <p>Description: For EHPM points DEVCTL, DIGCOMP, DI, and Flag, do not update the STATETXT parameter from Control Builder's Monitoring Tree.</p> <p>Recovery: None.</p> <p>Workaround: To update the STATETXT parameter for DEVCTL, DIGCOMP, DI, and Flag points in EHPM, use the Control Builder's Project Tree and then perform Load.</p>
RELCNTN-1894	ELCN Experion- TPS Nodes	<p>Error Indication: The CL Checker application in the Microsoft Visual Studio tool lists errors for some valid PM/CL and AM/CL files that get compiled successfully in Native Window.</p> <p>Description: The CL Checker application in the Visual Studio tool lists errors for some valid PM/CL and AM/CL files that get compiled successfully in Native Window. You may notice some inconsistencies with the output of certain PM/CL and AM/CL programs while using CL Checker</p>

PAR	Function	Description
		<p>application used with the Visual Studio plugin.</p> <p>Recovery: None.</p> <p>Workaround: 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>
RELCNTN-5215	ELCN Experion- TPS Nodes	<p>Error Indication: Some parameters are not supported for Upload/Update functionality in the Experion R511.4 release.</p> <p>Description: The parameters PRIMMOD, and \$AUXUNIT are not supported for Upload/Update functionality in the Experion R511.4 release.</p> <p>Recovery: None.</p> <p>Workaround: Import the checkpoints using the ELCN Database Import Utility or use the Auto Import functionality in case of EHPM only.</p> <p>Note: Auto import functionality is not supported for ELCN in R511.4.</p>
RELCNTN-5272	ELCN Experion- TPS Nodes	<p>Error Indication: The Non-ERDB points cannot be connected using Param Connector in Control Modules assigned to EHPM.</p> <p>Description: On connecting the Non-ERDB points (the points from ELMM, TCMI and EHPM/xPM which are not present in ERDB), the error "Cannot connect two parameter of different types" is displayed when the data type of the point is either 'Boolean' or 'Real'.</p> <p>Recovery: None.</p> <p>Workaround:</p> <p>In the EHPM Control Module, perform the following steps:</p> <ol style="list-style-type: none"> 1. Create a Control Module and assign it to EHPM. 2. Add the Non-ERDB point using Param Connector. 3. The error "Cannot connect two parameter of different types" is displayed. Click OK. 4. Open the Configuration Form of the particular algorithm point in the Control Module block. 5. Enter the Non-ERDB point in the Input tab.
1-D7D4D4R	HPS EUCN	<p>Error Indication: None.</p> <p>Description: For the first release of Experion R511.4 there is no support to obtain auxiliary values (HDYNVAL, HDYNEU, HDYNDVC, HSLOTDVC, HSLOTVAL, HSLOTEU) from a Multi-variable HART device.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
RELCNTN-1810	ELCN Experion-TPS Nodes	<p>Error Indication: Configuration of Ethernet/IP CODE with an AM Point in Control Builder returns a block name not found error.</p>

PAR	Function	Description
		<p>Description: In Experion R511.4, only HPM and EHPM points are imported and available in the ERDB, therefore, configuring Ethernet/IP CODE with an AM Point in Control Builder will return a block name not found error.</p> <p>Recovery: None.</p> <p>Workaround: Use Native Window for configuring Ethernet/IP CODE.</p>
1-9PMMA5N	Control Builder	<p>Error Indication: Qualification and Version Control System Revert Operation of a Block reverts/modifies dependent block, but the version number of the dependent block does not get changed.</p> <p>Description:</p> <ol style="list-style-type: none"> 1. Assign a Channel/IO POINT to an IO Module say Input/output module1 and check in the Input/output module1 (Version 1) and create one more Input/output module/output module2 and check in the Input/output module2 (Version 1) 2. Now checkout both Input/output modules Input/output module1 and Input/output module2 and move the Channel/IOPOINT from Input/output module1 to Input/output module2 and check in both the Input/output module1 (Version 2) and Input/output module2 (Version 2) 3. Now perform Revert operation on Input/output module1; Now IOPOINT/Channel moved from Input/output module2 to Input/output module1 and the version of Input/output module1 changed to Version 1. So, Input/output module2 also reverted to Version 1 state but the version number of Input/output module2 does not get changed. It is still in Version 2 which is not correct. <p>Recovery: None.</p> <p>Workaround: None.</p>
1-AUHJAWD	Control Builder	<p>Error Indication: Application error in Control Builder during Runtime</p> <p>Description: Application error in Control Builder issue can be observed sometimes when Control Builder is left open overnight.</p> <p>Recovery: None.</p> <p>Workaround: 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-CA49D49	Control Builder	<p>Error Indication: Central processing unit consumption of SQL server goes to 80- 90% when server B is primary for both database and rest of the application.</p> <p>Description: Some timing issue is believed to be at the root cause of this issue</p> <p>Recovery: No recovery is necessary as no persistent side effect results from printing incorrect or incomplete</p>

PAR	Function	Description
		information. Workaround: One possible workaround, if acceptable, user must perform database intensive Control Builder operation when server A is primary.
1-8R3OZRR	Control Builder-Automated Device Commissioning	<p>Error Indication: During Automated Device Commissioning workflow, for AO Devices (like Metso) if the assign and load step is performed, the Configure Device step might fail with the following error: "Device Not Found".</p> <p>Description: The above error might be observed when there is simultaneous execution of HART Point Parameter Access functionality on the same Experion cluster where Automated Device Commissioning was executed.</p> <p>Recovery: The recovery mechanism will be to close all the internal clients(Displays/Trend/History/Open Platform Communication Clients) which performs HART Point Parameter Access functionality. Then after considerable wait time of 10 minutes, perform the Automated Device Commissioning workflow.</p> <p>Workaround: Once the Assign and Load step is performed, the user has to wait up to 1 minute after detection of the AO Device under HART Identification tab for the specific AO channel in Control Builder before performing the Configure Device step in the Automated Device Commissioning workflow.</p>
1-9T3EBSR	Control Builder-Automated Device Commissioning	<p>Error Indication: The EandH_Cerabar S device name cannot be renamed during the Automated Device Commissioning workflow.</p> <p>Description: The Device Rename feature in the Automated Device Commissioning workflow cannot be done for the EandH_Cerabar S device due to the duplicate LongTag parameters present in the DD file.</p> <p>Recovery: None.</p> <p>Workaround: The HART handheld device or Field Device Manager can be used to rename the EandH_Cerabar S device.</p>
1-84A6M3P	Control Builder-CHART	<p>Error Indication: Following error is presented when clicking on Step Output expression hyperlink: Entry does not exist [EXPKS_E_CL_ENTNOEXIST (6L.101.10020)]</p> <p>Description: Depending on the length and position of the parameter references in Step Output expressions, it is possible for the corresponding hyperlinks to be shown with ellipses (...) and stop working as expected. The Transition Condition expressions were fixed but not the Step Output expressions.</p> <p>Recovery: No recovery necessary as issue is only in presentation layer.</p> <p>Workaround: Resizing the cell containing the expression may fix the issue under certain conditions not 100% of the time.</p>
1-4SZ9242	Control Builder-Configuration Form	Error Indication: This error is seen upon executing the below mentioned steps.

PAR	Function	Description
		<ol style="list-style-type: none"> 1. Configure C300 controller along with UIO1 or UIO-2 or DO module 2. Configure few channels as DO channel from spare channel 3. Configure CM and drag DOREF blocks to it. Refer DO channels to REF block 4. Expose on pulse or off pulse or PWM block pin to DOREF block and keep DO type as a “Status” 5. Click OK. <p>Description: No validation error prompted for on pulse, off pulse and PWM when DOTYPE=Status and DOREF blocks used. Also Reproducible with UIO-1 and Series C DO module.</p> <p>Recovery: Change the parameter value and try again.</p> <p>Workaround: None.</p>
1-4V5Q9HJ	Control Builder-Configuration Form	<p>Error Indication:</p> <ol style="list-style-type: none"> 1. Loaded C300ME and the strategies belongs to C300ME. 2. Activated all the strategies in monitoring side to test RRR set the CEE STATE option in C300ME 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 Control Builder shows undesirable behavior. This is seen everytime when we run this test. <p>Description: Control Builder shows undesirable behavior when CEERESTART is set in the CMs.</p> <p>Recovery: Close Control Builder and reopen again.</p> <p>Workaround: None.</p>
1-A7Q5HJ7	Control Builder-Copy Paste	<p>Error Indication: Ehi Internal Error is shown during Copy operation of container module.</p> <p>Description: Copy of a container module having huge number of embedded objects (Control Module, Sequential control module, Recipe Control Module) fails in Control Builder. Recovery: Not applicable Workaround: None</p> <p>Recovery: None.</p> <p>Workaround: None</p>
1-8HFAR5J	Control Builder-Load	<p>Error Indication: No error is encountered but there can be broken connections in the CM either while receiving incorrect signals or not receiving signals from the corresponding function block.</p> <p>Description: See the document Broken Connection Issue Scenarios ALL.docx to know the scenarios in which Broken connections occur.</p> <p>Recovery: You can recover from the issue by downloading all the referred Control modules (SCMs, RCMs) which have connections to the modified control module.</p>

PAR	Function	Description
		<p>Workaround: Whenever you perform any of the specified operations as mentioned in the document Broken Connection Issue Scenarios ALL.docx, you must load the modified CM along with all the referred CM /SCMs to avoid broken connections. The FINDTAGSTOLOAD.exe tool can be used after performing engineering operations like import export, change parent, deletion of blocks and so on in order to know the list of CMs that needs to be loaded to avoid broken connections.</p>
1-4KSJ8TD	Control Builder-Load/Upload/Update	<p>Error Indication: Control Builder tree view shows incorrect control module Name against the channel in Monitoring side even though control module is not loaded.</p> <p>Description: When control module and channels are loaded together, If control module load fails due to some reasons, Then IO channels which got loaded successfully to monitoring side show the control module name in the tree view and in the form which they were associated to. But Since control modules are not loaded successfully it should not display the control module name against the Channels.</p> <p>Recovery: Reload the control module which had failed earlier.</p> <p>Workaround: None.</p>
1-68IJJAB	Control Builder-Load/Upload/Update	<p>Error Indication: 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>Description: 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. This behavior is seen in Analog input (A), Analog output (AO), Digital input (DI), Digital output (DO) reference blocks configured with corresponding channels.</p> <p>Recovery: Perform upload/update operation on the input/output module itself such that monitoring side changes gets updated to Project side.</p> <p>Workaround: To prevent from this situation, Use upload/update on input/output module.</p>
1-BS4A99Z	Control Builder-Load/Upload/Update	<p>Error Indication: Not Allowed to enable HART on loaded channel.</p> <p>Description: Users should be able to Enable HART on a channel (loaded) without deleting from monitoring and without impacting control.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-BQXLZQP	Control Builder-Print	<p>Error Indication: 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>Description: Timing issue might be the root cause of this issue.</p> <p>Recovery: No recovery is necessary as no persistent side</p>

PAR	Function	Description
		<p>effect results from printing incorrect or incomplete information.</p> <p>Workaround: One possible workaround, if a Common Embedded Platform table, 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.</p>
1-C8WLKP3	Control Builder-Change Parent	<p>Error Indication: After doing change parent to different UDT, an export of the instance and the UDT followed by delete from control builder, then doing an import of the instance and its UDT will show errors that the Base User Defined Template for this block is not found and may need to delete it and re import along with the UDT.</p> <p>Description: After doing change parent to different UDT, an export of the instance and the UDT followed by delete from control builder, then doing an import of the instance and its UDT will show errors that the Base User Defined Template for this block is not found and may need to delete it and re import along with the UDT</p> <p>Recovery: Delete the imported instance and its UDT. Close and reopen control builder. Import the instance and the UDT. Before importing UDT (after deleting from control builder library), close and reopen the control builder.</p> <p>Workaround: Close and reopen the control builder after the delete step. The issue is reproducible only if import was done immediately after the deletion of the UDT.</p>
1-BYJRBH7	Control Firewall 9Port	<p>Error Indication: C300 Offnet notification.</p> <p>Description: Approximately 2-12 hours after a yellow switch power down, a C300 may go offnet. At this point, loss of view to C300, C300 peer control, and C300-CN100 IO HIVE control occurs. C300 local control continues. Offnet condition can last from 5 secs to 6 minutes.</p> <p>Recovery: Automatic, restoring view and control.</p> <p>Workaround: Do not leave switch powered off or not repaired for long period of time.</p>
1-ASOCKOB	Control Functions - Continuous	<p>Error Indication: The HB block does not obey the "Force disable transition low" (FDL) command when in Latched mode of operation.</p> <p>Description: The HB block does not obey the "Force disable transition low" (FDL) command when in Latched 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>Recovery: None.</p> <p>Workaround: None</p>
1-AY3G963	Control Functions - Continuous	<p>Error Indication: Simatic modules connected to Profibus Interface Module does not update values in control module loaded in C200E/Unit Operations Controller</p> <p>Description: Simatic modules connected to Profibus Interface Module does not update values in control module loaded in C200E/Unit Operations Controller</p>

PAR	Function	Description
		<p>Recovery: Delete the Simatic IO blocks and use generic IO channel blocks instead to get process values.</p> <p>Workaround: Use Generic IO channel blocks instead of Simatic channels to get basic process data.</p>
1-B2EABBH	Control Functions - Continuous	<p>Error Indication: When the rate of change of the selected inputs is greater than the 'Rate of bumpless rate' (PVRATE) then there is deviation.</p> <p>Description: 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>Recovery: None.</p> <p>Workaround: Set PVRATE = Nan.</p>
1-C7H42YP	EBM-Controller	<p>Error Indication: Batch execution goes with the Function Reference based on the initial Unit selection done during LookAhead.</p> <p>Description: 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>Recovery: None.</p> <p>Workaround: None.</p>
1-CCOYJ3B	EBM-Controller	<p>Error Indication: A batch commanded to Hold while waiting for its resource, remains in Holding state even after the resource becomes available for Acquisition.</p> <p>Description: When a Batch B waiting for a resource from another Batch A, is commanded to Hold, Batch B remains in Holding even after the resource is released by the other Batch A.</p> <p>Recovery: None.</p> <p>Workaround: Do not command a Batch to Hold, when it is waiting for resources to be acquired.</p>
1-9XLD7Z3	EBM-Tools	<p>Error Indication: Error displayed is "Error parsing the XML file. The XML file is not valid or not as per schema".</p> <p>Description: Error is seen while importing the phase block.</p> <p>Recovery: None.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Export the phase block. 2. Rename the Exported .def.xml file with the phase block name(blockname.def.xml file). 3. Import with overwrite.
1-C7AT7E7	EBM-Tools	<p>Error Indication: A fatal error occurred is shown in the dialog.</p> <p>Description: 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>Recovery: None.</p>

PAR	Function	Description
		Workaround: Enter the expressions manually after creating a new block via drag and drop.
1-8EGALST	EBM-Platform	<p>Error Indication: UOC reports increasing IP checksum errors on the FTE network.</p> <p>Description: The UOC FTE subsystem may report infrequent but increasing IP checksum errors on the FTE network. The IP checksum errors do not impact normal operation.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-A2419U5	EtherNet/IP-COMMUNICATION	<p>Error Indication: BL20 input modules get disconnected and generate Communication Failure Alarm momentarily on Ethernet interface module switchover (when used with Ethernet interface module topology) or C300 switchover (when used with C300 direct topology).</p> <p>Description: 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 IO modules is made with C300 (either directly or through EIM).</p> <p>Recovery: The BL20 input modules reconnects automatically after Target to Originator connection timeout and Communication Failure Alarm is returned to normal.</p> <p>Workaround: None.</p>
1-B4Q3CM3	EtherNet/IP-COMMUNICATION	<p>Error Indication: C300-EtherNet/IP communication drops through Ethernet interface module when C300 is EXP510.1-37.12 firmware and Ethernet interface module is EXP511.1-40 firmware.</p> <p>Description: If the C300 controller is in a lower version and if the EtherNet/IP Interface Module (Ethernet interface module) is in a later release, the communication of the C300 to the devices interfaced through the Ethernet interface module interface will be disrupted on operations like re-load of strategy or C300 switchover. This interoperability situation might arise during the Experion system migration.</p> <p>Recovery: Flash\Upgrade\Migrate the C300 Controller to the latest firmware version. Reload the strategies that are affected.</p> <p>Workaround: 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 Ethernet interface module.</p>
1-B7LICEN	EtherNet/IP-COMMUNICATION	<p>Error Indication: EtherNet/IP Contro LogixTag Read Fails randomly resulting in NaN for 1-2 seconds on C300 Switchover</p> <p>Description: On C300 Switchover in C300 with Ethernet</p>

PAR	Function	Description
		<p>interface module Topology, Control Logix Tags loose 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>Recovery: Automatically recovers in 1-2 seconds.</p> <p>Workaround: None.</p>
1-6SDDS6R	EtherNet/IP-Tools	<p>Error Indication: Database query execution error on saving EtherNet/IP template/phase block/map block.</p> <p>Description: The issue is a Database query execution is reported when user try to modify existing parameter and save the template. This occurs due to update query which send the duplicate ParamID for updating the parameter.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-8I8YTYU	EtherNet/IP-Tools	<p>Error Indication: During the import of any Experion Desktop Server 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 instance or load of instance might fail.</p> <p>Description: 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>Recovery: None.</p> <p>Workaround: If possible, update the enumeration definition and specify ordinals that are greater than 0.</p>
1-AAQV8SN	EtherNet/IP-Tools	<p>Error Indication: The PNTTYPE parameter value is not set for some of the EtherNet/IP drives and I/O when the template is imported.</p> <p>Description: During import of specific EtherNet/IP drives and IO an error "Parameter 'Cmname.Blockname.PNTTYPE' has an invalid enumeration ordinal" error will be displayed.</p> <p>Recovery: The error can be ignored as there is no functional impact.</p> <p>Workaround: None.</p>
1-B4ZR4WY	EtherNet/IP-Tools	<p>Error Indication: While saving the Re-editing EtherNet/IP device template "EPKS_E_SAVE_PARAMIDENT_EXHAUST" error can be seen.</p> <p>Description: If an EtherNet/IP Template is created and huge parameters are added by a 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>Recovery: None.</p> <p>Workaround: As suggested in the Error Message only save the Template with save as Renew Option if user hits this issue.</p>

PAR	Function	Description
1-B5093HL	EtherNet/IP-Tools	<p>Error Indication: Getting error InvalidEnumOrdinal while creating EtherNet/IP channel in control module.</p> <p>Description: User will get below error while creating EtherNet/IP channel and save. "EXPKS_E_CL_INVALIDENUMORDINAL (6L .101.10209) parameter 'control module _ServoTest.MAC800_OUT_01.PNTTYPE' has an invalid enumeration ordinal" This happens only when the template imported from R500 release to R510/R511 release.</p> <p>Recovery: Reload this channel(s) again from project to monitoring side.</p> <p>Workaround: Save the checkpoint and make it complete and use that file to restore.</p>
1-BW042U6	EtherNet/IP-Tools	<p>Error Indication: HART Port becomes inactive for few EtherNet/IP channels which are configured and loaded after restoring Incomplete checkpoint file.</p> <p>Description: 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>Recovery: Reload this channel(s) again from project to monitoring side.</p> <p>Workaround: Save the checkpoint and make it complete and use that file to restore.</p>
1-8NPLXTR	FDS – Field Device Service	<p>Error Indication: The Client request for HART data will fail and the status will be represented corresponding to the application. For example, When HART data Status is BAD</p> <ol style="list-style-type: none"> 1. On displays, it will show inverse video. 2. On trends, it will display "?????". 3. History will show some gaps for that period. 4. Open Platform Communication clients will show status as BAD with empty value. <p>Description: HART Point Parameter Access is subjected to slower performance than compared to Point parameter access using CDA mechanism. Experion Open Platform Communication Server has connection timeout defined as 1 minute for its clients for any demand read request. If read request is not completed within 1 minute read request will time-out and fail. Open Platform Communication 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>Recovery: None.</p> <p>Workaround: In order 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.</p>
1-8W8XR8T	FDS – Field Device Service	<p>Error Indication: Failure of Configure Device step in Auto Device Commission workflow in Project Engineering Plugin</p>

PAR	Function	Description
		<p>in Control Builder.</p> <p>Description: Error message "Device Configuration did not complete for <TagName> because Error occurred during device communication" is show in PET plugin during configure device step. Issue is seen only for CERABAR S device.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-28C3M4F	IXP-Import Export	<p>Error Indication: QVCS checked in strategies became editable after import of Foundation Fieldbus OR Wireless DD file in Control Builder.</p> <p>Description: Checked in Control modules (having reference to FF blocks) become editable after performing import of the corresponding Foundation Fieldbus OR Wireless DD.</p> <p>Recovery: Close and reopen Control Builder, which will make the strategies non editable.</p> <p>Workaround: Close and reopen Control Builder, which will make the strategies non editable.</p>
1-A1237LO	OPM-Upgrade Tool	<p>Error Indication: OPM test fail because Primary and secondary server time is not synchronized.</p> <p>Description: Upgrade tool reports OPM test fail because Primary and secondary server time is not synchronized on Experion system with DST time enabled.</p> <p>Recovery: None.</p> <p>Workaround: Manually check if the Primary and Secondary servers are synchronized.</p>
1-BJG8UH6	System Repository	<p>Error Indication: System Repository (SR) Sync drops for physical consoles and does not recover.</p> <p>Description: When SRDB in multiple physical consoles is deleted and SR service is started, then the SRDB does not build completely at times on the physical consoles and SR SYNC drops.</p> <p>Recovery:</p> <ol style="list-style-type: none"> Stop the physical console SR service and rename the SRDB(EPKSOperationalDB.db) present in "C:\ProgramData\Honeywell\Experion PKS\SRDB\". Copy the SRDB from the backup Server node and paste it in physical console SRDB location. Restart the SR service. <p>Workaround: None.</p>
1-BMJ4UZZ	System Repository	<p>Error Indication: Loss of view is observed after the system is rebooted on physical console displays up to 21 minutes.</p> <p>Description: 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>Recovery: LOV will recover on its own once the SR on the physical console completes the Sync.</p> <p>Workaround: None.</p>
1-BXESCUX	System Repository	<p>Error Indication: Dynamic parameter references in CAB block stop working.</p> <p>Description: Dynamic parameter references in CAB block stop working when OPM is enabled.</p> <p>Recovery: Continue the migration and once Dual primary has been obtained, the issue gets resolved.</p> <p>Workaround: None.</p>
1-B0AW4DL	IXP-Import Export	<p>Error Indication: RCM/MR with Data block/Recipe Step Block load/import failed with Range exceeded error - Data UI not allowing to set Enum values during Batch Execution.</p> <p>Description: RCM/MR with Data block/Recipe Step Block load/import failed with Range exceeded error. If errors are ignored then Batch execution prevented to set ENUM value during batch execution. Enum specific parameter changes to a recipe step block type (Phase block template) are not updating once it is used as a DATA block in the Master Recipe.</p> <p>Recovery: Fix the error reported during Import/load.</p> <p>Workaround: Make a small change in Recipe step type (for example, add/delete a char to parameter description) using PDE after ENUM changes and then load the MR which failed due to Range exceeded error during load.</p>
1-AXSKXCZ	EtherNet/IP-Control execution environment.- EMBEDDED	<p>Error Indication: On Checkpoint Restore of EtherNet/IP Output modules, instead of back initializing with the output to fail-safe value, it sets to PID minimum output value momentarily.</p> <p>Description: On Checkpoint Restore of EtherNet/IP Output devices in NoDB condition, the output module is set to minimum PID Output minimum value instead of Fail-Safe value momentarily till the control strategy pushes the new value. This is happening even if the Output module Fail safe option is configured for Fail-safe value.</p> <p>Recovery: Recovers automatically on next execution cycle to intended value</p> <p>Workaround: None.</p>
1- 9KDYOC9	ELCN Experion- TPS Nodes	<p>Error Indication: Deleting EHPM points using Native Window does not delete some points from ERDB on Auto Import.</p> <p>Description: When EHPM points are deleted using Native Window and the ENIM checkpoint is saved after the deletion or when the auto check pointing is active, the EHPM points auto-import service and the ELCN Database Import Utility is unable to delete some points from ERDB on Auto Import. The Auto Import fails if the EHPM checkpoint snapshot file does not exist in the default path.</p> <p>Recovery: Perform checkpoint rebuild operation for the EHPM on the Monitoring Tree of Control Builder and re</p>

PAR	Function	Description
		<p>initiate Auto Import. Workaround: Check pointing the NIM in the Native Window after any engineering operation changes triggers the Auto Import of the points in the checkpointed ENIM/EHPM Controller. Ensure the EHPM platform block status in the Control Builder should be healthy before performing the checkpoint operation in the Native Window.</p> <p>Workaround: Check pointing the NIM in the Native Window after any engineering operation changes triggers the Auto Import of the points in the check pointed ENIM/EHPM Controller. Ensure the EHPM platform block status in the Control Builder should be healthy before performing the checkpoint operation in the Native Window.</p>
1-D89LON5	PROFINET Embedded	<p>Error Indication: Connection attempt with Siemens devices such ET200 SP or SIMOCODE may fail when alarm is present in the device. This can occur on switchover, MRP dual ring fault or any condition which causes connection to reconnect.</p> <p>Description: Profinet S2 Prim connection toggles during MRP fault near EIM ETH3. S2 device Prim and Sec connection was healthy then first MRP fault was done near EIM Prim ETH3 then near Sec EIM ETH3 while the Prim EIM ETH3 was at fault which results in dual fault. After connecting the Sec EIM ETH3 S2 device Prim connection toggles and sec connection remains CommError.</p> <p>Recovery: Correct diagnostic condition in device.</p> <p>Workaround: None.</p>
1-D8B223R	PROFINET Embedded	<p>Error Indication: EIM MRP works properly only if it is configured as Manager.</p> <p>Description: EIM in client role does not clear its forwarding database on topology change.</p> <p>Recovery:</p> <ol style="list-style-type: none"> 1. Only one EIM (redundant pair or non-redundant) as MRP manager can be connected to ring network. If multiple EIM are needed to connect to same downlink network, connect other EIM(s) in star topology and configure with non-redundant downlink network. 2. If EIM downlink network has non-EIM device (e.g. Scalance switch) configured as MRP manager, EIM should be connected to network to non-ring ports of the switch. <p>Workaround: None.</p>
1-D6QV6VX	UOC-SERIES-A	<p>Error Indication: OAH061 fails to back initialize after communication reconnect.</p> <p>Description: The configured shed values do not reflect as per channel configuration during TC OAH061 communication reconnect, the shed values of Channel 2 is reflected in Channel 0 and Channel 3 is reflected in Channel 1.</p> <p>Recovery: None.</p>

PAR	Function	Description
		Workaround: None.
RELCNTN-5485	ELCN Experion-TPS Nodes	<p>Error Indication: The C300 Peer connection cannot be made with ENIM resident parameters for PMIO channels of EHPM.</p> <p>Description: After migration to Experion R511.4, when a new PMIO based point is created in EHPM or a PMIO based EHPM channel is imported, then Peer connection with any ENIM resident parameter of that channel in CM/SCM/AUXCALC Expression under a C300 based Control Module cannot be made.</p> <p>Recovery: None.</p> <p>Workaround: Use the existing EUCN IO templates to make the C300 Peer connection with ENIM resident parameters for PMIO channels. To replace the PMIO Channel configuration with an existing EUCN IO template, copy an existing IO point and rename it using the PMIO Channel name.</p>
1-DCYPI5	UOC-SERIES-A	<p>Error Indication: FID161 (DI RAIL IOM) Toggling after load under UOC in monitoring tree of Control Builder.</p> <p>Description: FID161 DI IO loses its connection stability when loaded with parameters other than COUNTMODE and FASTCOUNT in checked state. The loaded DI IO module will be in toggling state in monitoring tree of Control Builder.</p> <p>Recovery: None.</p> <p>Workaround: Follow the following procedure to avoid this issue.</p> <ul style="list-style-type: none"> After configuring the TC-FID161 block, open the Channel Configuration tab and select the COUNTMODE and FASTCOUNT parameter check boxes to enable them when loading the DI IO module from the project side of the Control Builder. Load DI, IO Module from Project side of the Control Builder.
1-ATQUI67	Control Builder	<p>Error Indication: Control Builder will get application error on Bulk edit/Bulk build list Dialog box when Mouse is run over Browse path.</p> <p>Description: When a tool tip text exceeds 80 characters in browse path of Bulk edit/Bulk build list Dialog box. Control Builder shows application error.</p> <p>Recovery: Restart Control Builder and avoid moving mouse over Browse list of Bulk edit/Bulk build list.</p> <p>Workaround: Change the browse path so that the Tool Tip path shall not exceeds 80 characters.</p>
RELCNTN-5186	ELCN Experion-TPS Nodes	<p>Error Indication: The Embedded Configuration Form tab on the EHPM blocks displays the error “Err 7514” for all the parameters when it is invoked from the Experion Station Detail Display.</p> <p>Description: For EHPM points, when the Embedded Configuration Form tab is invoked from Experion Station Detail Display in Control Module, all the parameters display</p>

PAR	Function	Description										
		<p>the error “Err 7514”. All other tabs display the appropriate information.</p> <p>Recovery: None.</p> <p>Workaround: Use Control Builder monitoring tab to open the Control Module and view the properties of the selected block.</p>										
RELCNTN-1698	ELCN Experion-TPS Nodes	<p>Error Indication: In Experion R511.4, there are two issues with respect to Time parameter as follows.</p> <p>Description 1: 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> <table><tr><th>Point Type</th><th>Parameter</th></tr><tr><td>Array Point</td><td>TIME</td></tr><tr><td>DEVCTL</td><td>MAINTDAT</td></tr><tr><td>DIGCOMP</td><td>MAINTENANCE</td></tr><tr><td>PROCMOD</td><td>CMPLTIME, TIME</td></tr></table> <p>Workaround 1: 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 1 day in TPN side, enter 1/2/1979 in Control Builder, and if you want to configure 5 days in TPN side, enter 1/6/1979 in Control Builder.</p> <p>Description 2: The TOTALIZR point \$AUTRTIM parameter will display '???' in the Control Builder Monitoring Tree.</p> <p>Workaround 2: This is an UI refresh issue. To view the \$AUTRTIM parameter’s value, check/uncheck the ‘Show Parameter Names’ check box in the Configuration Form or click on the vertical scroll bar on the Configuration Form.</p> <p>Recovery: None.</p>	Point Type	Parameter	Array Point	TIME	DEVCTL	MAINTDAT	DIGCOMP	MAINTENANCE	PROCMOD	CMPLTIME, TIME
Point Type	Parameter											
Array Point	TIME											
DEVCTL	MAINTDAT											
DIGCOMP	MAINTENANCE											
PROCMOD	CMPLTIME, TIME											
RELCN-2848	ELCN	<p>Error Indication: Configured points of a Virtual ELCN ENIM are not listed on Native Window’s IOP Slot Summary Display.</p> <p>Description: On a virtual ELCN ENIM, deleting points may cause the 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 display. However, this does not affect control connections and process parameter access. Honeywell strongly recommends you avoid performing point delete operation on ELCN ENIMs until a fix is made available in a</p>										

PAR	Function	Description
		<p>future release. Also, it is strongly recommended to take a checkpoint before you perform any point deletion operation.</p> <p>Recovery: 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> <p>Workaround: None.</p>
RELCNTN-5872	ELCN Experion-TPS Nodes	<p>Error Indication: The \$SPTOL/\$OPTOL functionality doesn't work from Control Builder Monitoring Tree. When the value entered for an OP/SP parameter exceeds the tolerance limit, it returns the 'SDA unknown error'.</p> <p>Description: For an AI/AO channel, if the value entered for the OP/SP parameter exceeds the tolerance limits set for the \$OPTOL/\$SPTOL parameter, then it throws the 'SDA unknown error' and does not store the entered value in the Form Configuration of the Control Builder Monitoring Tree. This behavior is different from Native window and Experion Station Detail Display where it will give a warning message before storing the value.</p> <p>Recovery: None.</p> <p>Workaround: Use the Experion Station Detail Display or Native Window's Detail Display to use the full \$SPTOL/\$OPTOL functionality.</p>
RELCNTN-5588	ELCN Experion-TPS Nodes	<p>Error Indication: For any DIGCOMP or DEVCTL point, if the value of STATETXT parameter is changed from Native Window or Control Builder, and the point is reloaded, changing the value of OP parameter from Experion Station Detail Display gives DATA ENTRY ERROR.</p> <p>Description: For any DIGCOMP or DEVCTL point, if the value of STATETXT parameter is changed from Native Window or Control Builder, and the point is reloaded, the value of STATETXT parameter is updated in the Experion Station Detail Display. But changing the value of OP parameter from Experion Station Detail Display gives DATA ENTRY ERROR.</p> <p>Recovery: None.</p> <p>Workaround: Perform the following to view the updated value of OP parameter</p> <ol style="list-style-type: none"> 1. If the value of STATETXT parameter is changed before reloading a point, use Native Window for updating the OP parameter value. 2. Stop and restart the TPN Server.

9.4 Servers and Stations

PAR	Function	Description
1-CEXJD1J	Configuration Studio	<p>Error Indication: Component Manager is allowing to unselect the components which have been added to Quick Builder project, downloaded to the server.</p> <p>Description: Component Manager is allowing to unselect the components which have been added to Quick Builder project, downloaded to the server and already in use. Re-enabling the components does not bring back the items into Quick Builder project.</p> <p>Recovery: None.</p> <p>Workaround: After re-enabling the components, when the items are not visible in the Quick Builder, do ""upload"" in Quick Builder which brings back the items from Server into Quick Builder Project.</p>
1-CJS5H8R	HMIWeb Station	<p>Error Indication: Parent HSC Station window shows undesirable behavior if URL contains {%Null%} and FP name is wrong.</p> <p>Description: Parent HSC Station window shows undesirable behavior if URL contains {%Null%} and FP name is wrong.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-CG6E2SX	HMIWeb Station - Displays	<p>Error Indication: When creating an equipment list, the page continues to show loading and will not update.</p> <p>Description: When creating an equipment list, the page continues to show loading and will not update. The user must refresh the page to see the new List.</p> <p>Recovery: None.</p> <p>Workaround: Refresh the page to see the new list.</p>
1-CG501KX	HMIWeb Station - Displays	<p>Error Indication: Refreshing or logging out of equipment in a browser shows a reconnecting UI.</p> <p>Description: 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>Recovery: None.</p> <p>Workaround: The page will update after the reconnecting alert has been shown.</p>
1-CBNOJ51	"HMIWeb Station - Operator Touch Panel"	<p>Description: OTP interface appears on the large screen after the monitor is powered off then on with 5070 thin clients.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-CQ4524N	Server - Displays - General	<p>Description: Station Menu bar icons are not consistent in classic theme and with default installation.</p> <p>Recovery: None.</p>

PAR	Function	Description
		Workaround: Change theme to dark or light and again change to classic. With theme change station menu bar appears to be consistent in all theme.
1-CG0EWH5	Server - Other or Unknown	<p>Error Indication: "PDF report inconsistently fails to render/plot trend."</p> <p>Description: Trend is not shown in the PDF report output.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-D8DGUG5	Universal Transport Service	<p>Error Indication: Delta time values are not available on the EHPM chart.</p> <p>Description: Retrieving data. Wait a few seconds and try to cut or copy again.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-D8FA389	Universal Transport Service	<p>Error Indication: After writing to a time value on the EHPM chart, the time read back is different by 8 or 9 seconds.</p> <p>Description: After writing to a time value on the EHPM chart, the time read back is different by 8 or 9 seconds.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

PAR	Function	Description
1-DCF7XSX	HMIWeb Station - Collaboration Station	<p>Error Indication: Launch Collaboration station and try any touch interaction with empty workspace area, touch interactions with the workspace is blocked by default</p> <p>Description: Touch interactions with the empty workspace area is blocked by default .</p> <p>Recovery: Open file CollaborationStation.xml located under ProgramData/Honeywell/ExperionPKS/Client/Station, Add an entry 0.</p> <p>Workaround: Open file CollaborationStation.xml located under ProgramData/Honeywell/ExperionPKS/Client/Station, Add an entry 0.</p>
1-DGPISN3	Server - TPS Integration	<p>Error Indication: ELCN System Management dashboard overview display cannot be viewed in ESVT/EST nodes.</p> <p>Description: ELCN System Management dashboard overview display cannot be viewed in ESVT/EST nodes.</p> <p>Recovery: Navigate to Configure > System Hardware > System Interfaces > TPS. Select an entry from the "ES-T for Flex Station ELCN Dashboards". The TPSSYS System Interface network name should be updated and appears correctly.</p> <p>Workaround: Navigate to Configure > System Hardware > System Interfaces > TPS. Select an entry from the "ES-T for Flex Station ELCN Dashboards". The TPSSYS System Interface network name should be updated and appears correctly.</p>
1-DI1XLF5	Server - Other or Unknown	<p>Error Indication: In rare conditions, the Experion R511.4 upgrade or installation through the Experion media may report error from Experion PKS Update Manager.</p> <p>Description: ELCN System Management dashboard overview display cannot be viewed in ESVT/EST nodes.</p> <p>Recovery: Navigate to Configure > System Hardware > System Interfaces > TPS. Select an entry from the "ES-T for Flex Station ELCN Dashboards". The TPSSYS System Interface network name should be updated and appears correctly.</p> <p>Workaround: Navigate to Configure > System Hardware > System Interfaces > TPS. Select an entry from the "ES-T for Flex Station ELCN Dashboards". The TPSSYS System Interface network name should be updated and appears correctly.</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	051.104.02000	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.
AppTPSClient	051.104.02000	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.
Honeywell_CAB_Support	051.104.01100	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.
HSE_Creator_Tool	051.104.00600	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.
ELCN_node	051.104.02000	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.

Component	Version	Version verification
		(Only one option is listed)
Honeywell FTE MUX Driver	051.104.02000	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.
Honeywell FTE MUX Win10 Driver	051.104.02000	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.
Honeywell_GUSDISP_Support	051.104.02000	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.
Honeywell_IKB_Service	051.104.02000	<p>Perform the following steps to verify the version.</p> <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.

Component	Version	Version verification (Only one option is listed)
Honeywell_INF_Support	051.104.02000	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.
Honeywell_TPNFT_Support	051.104.02000	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.
Experion_TPS_System_Displays	051.104.02000	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.
Honeywell_TPSINT_Support	051.104.02000	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Maintenance Tool. The Maintenance Tool window appears. 2. In the Maintenance Tool window, click View Experion Feature Packages/Uninstall Experion Product.

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. 1. Launch the Configuration Studio . 2. Choose Configuration Studio > Control Strategy > Configure Process Control Strategies . 3. Choose Help > About...
DBADMIN	511.1.42.0	Perform the following steps to verify the version. 1. Open Windows Explorer and browse to C:\Program Files (X86)\Honeywell Experion PKS\Engineering Tools\system\bin\pserdbadmin.dll. 2. Click Properties > Details tab.
Import/Export Tool	EXP511.1-42.0	Perform the following steps to verify the version. 1. Launch the Import-Export Tool . 2. Choose Help>About...
IOTOOL	EXP511.1-42.0	Perform the following steps to verify the version. 1. Launch the Configuration Studio . 2. Choose Control Strategy > Maintain IO Modules . 3. Choose Help > About...
Network Tools	EXP511.1-42.0	Perform the following steps to verify the version. 1. Launch the Configuration Studio . 2. Choose Control Strategy > Maintain Control System Firmware . 3. Click Help > About...
Engineering Tools database	EXP511.1-42.0	Perform the following steps to verify the version. 1. Launch the Import-Export Tool . 2. Choose Help > About... ERDB version is displayed after Import-Export tool version.
Engineering Tools and Controllers	EXP511.1-42.0	Perform the following steps to verify the version. 1. Launch the Maintenance Tool . The Maintenance Tool window appears.
Application Control Environment (ACE)	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\ace.exe. 2. Right-click Properties > Details tab.
Simulation Control Environment (SIM-C200E)	511.1-42.0	Perform the following steps to verify the version. 1. Open Windows Explorer and browse to C:\Program

Component	Version	Version verification (Only one option is listed)
		Files\Honeywell Experion PKS\Engineering. Tools\system\bin\sce.exe. 2. Right-click Properties > Details tab.
Simulation Control Environment (SIM-C300)	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\simc300.exe. 2. Right-click Properties > Details 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 Properties > Details tab.
Upgrade Tool	511.1-42.0	Open Configuration Studio. 1. Choose Configuration Studio > Experion PKS Cluster Upgrade > Prepare the Cluster for an Upgrade. This opens the Upgrade Tool. 2. In Upgrade Tool, choose Help > About...
FTE Driver	511.1-42.0	Perform the following steps to verify the version. 1. Launch the Maintenance Tool . The Maintenance Tool window appears. 2. Select View Experion Feature Packages/Uninstall Honeywell Product Honeywell FTE MUX Driver.

10.3 Server and client versions

Component	Version	Version verification (Only one option is listed)
Experion Server	511.1-45.0	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Start-Stop Experion PKS Server. 2. In the Experion PKS Server dialog box, choose File > About...
Experion Console Station	511.1-45.0	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Start-Stop Experion PKS Console Station. 2. In the Experion PKS Server dialog box, choose File > About..
HMIWeb Station	6.12.106.5020	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Choose Honeywell Experion PKS > Server > Station. 2. Choose Help > About...
HMIWeb Display Builder	6.12.106.5020	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Choose Honeywell Experion PKS > Server > HMIWeb Display Builder. 2. Choose Help > About...
DSP Display Builder	R320.4	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Choose Honeywell Experion PKS > Server > DSP Display Builder. 2. Choose Help > About...
Quick Builder	5.8.4.9	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Configuration Studio 2. Choose Help > About... 3. Under Provider see Version for Honeywell.QB.QBProvider.Provider
Configuration Studio	4.4.0.43	Perform the following steps to verify the version. <ol style="list-style-type: none"> 1. Launch the Configuration Studio 2. Choose Help > About... 3. Under Application see Version for Honeywell.CDF.ConfigStudio

10.4 TPS Software Component Versions

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

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 No Longer Supported or Compatible		
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 NOTE TPN R688.4 is required for Unified Engineering Tools functionality in Experion R511.3 to operate.
R511.4	TPN R687.4 without ELCN/EUCN TPN R688.5 with ELCN/EUCN	TPN R688.5 NOTE TPN R688.5 is required for Unified Engineering Tools functionality in Experion R511.4 to operate.

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

For Experion R511.4, the Utilities and Load Module Media (ULM) version is R301.22.

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 see the “EUCN” tab in the latest “Experion Update Matrix” spreadsheet, which is available on honeywellprocess.com at this [link](#). You must be logged in for the link to be functional.

HONEYWELL-QUALIFIED THIRD-PARTY SOFTWARE COMPONENT VERSION

11.1 Honeywell-qualified third-party software component versions

This section identifies third-party, Windows-based software applications that are supported on an Experion PKS 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 PKS 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"> • Microsoft Excel • Microsoft Word • Microsoft PowerPoint • Microsoft Access <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, see the following link.</p>
National Instruments NI-FBUS Communications Manager	<ol style="list-style-type: none"> 1. Choose Start > Programs > NI FBUS > Interface Config. 2. Click the System menu and select About fbConfig_NT. <p>Limitations/Compatibility</p> <p>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.</p>
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.

Software application and version	Verification mechanism (Only one option is listed)
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)	17.011.30171	<ol style="list-style-type: none"> 1. Open Adobe Reader. 2. Choose Help > About Adobe Reader
Dell Open Manage Server Administrator	9.1	<ol style="list-style-type: none"> 1. Click Start > Windows System > Control Panel > Programs > Programs and Features. 2. Check Dell OpenManage System Management Software (64-Bit). version in the Version column of the page.
Dell Open Manage Client Instrumentation	9.3	<ol style="list-style-type: none"> 1. Click Start > Windows System > Control Panel > Programs > Programs and Features. 2. Check Dell OpenManage System Management Software (64-Bit). version in the Version column of the page.
HP System Management Homepage	7.6.0.11	<ol style="list-style-type: none"> 1. Click Start > Windows System > Control Panel > Programs > Programs and Features. 2. Check HP System Management Homepage. version in the Version column of the page.
Internet Explorer	11.0	<ol style="list-style-type: none"> 1. Open Internet Explorer directly. 2. Choose Help > About Internet Explorer.
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"> 1. Open Windows Explorer and browse to C:\windows\syswow64\msvbvm60.dll. 2. Right-click msvbvm60.dll. 3. Right-click Properties. Click Details tab.
MS Visual C++ Run-Time DLLs	7.0.14393.2457	<ol style="list-style-type: none"> 1. Open Windows Explorer and browse to C:\windows\syswow64\MSVCRT.dll (Microsoft Run Time Library). 2. Right-click MSVCRT.dll. 3. Right-click Properties. > Click Details tab
SQL Server 2017 Standard	14.0.1000.169	<ol style="list-style-type: none"> 1. Open SQL Server Management Studio.

Component	Version	Verification mechanism (Only one option is listed)
		<ol style="list-style-type: none"> 2. Type "select @@version" and press F5 key.
Objective Grid	13.0.0.0	<ol style="list-style-type: none"> 1. Open Windows Explorer and browse to C:\Program Files (x86)\Honeywell\ExperionPKS\Engineering Tools\System\Bin\og1300asu.dll. 2. Right-click og1300asu.dll. 3. Click Properties > Details tab.
Embedded Microsoft Windows 10 Enterprise 2016 LTSB (x64)	1607 (OS build 14393.187)	<ol style="list-style-type: none"> 1. Right-click Start > Run. 2. On Command prompt, type Winver and press ENTER.
Embedded Microsoft Windows Server 2016 Standard	1607 (OS build 14393.187)	<ol style="list-style-type: none"> 1. Right-click Start > Run. 2. On Command prompt, type Winver and press ENTER.
Embedded Microsoft Windows Server 2016 Datacenter OS	1607 (OS build 14393.187)	<ol style="list-style-type: none"> 1. Right-click Start > Run. 2. On Command prompt, type Winver and press ENTER.

SUPPORT FOR OPTIONAL SCADA INTERFACES

12.1 Purpose

This technical note details the testing and support status of SCADA interfaces in Experion R410, Experion R43x, Experion R50x and Experion R51x.

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. This table documents 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 ³ . SCADA Interface Support	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
	R410	R43x	R50x	R51x	
TDC 3000	Supported	Supported	Supported	Supported	Not applicable
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	Supported	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 see the Honeywell Universal Modbus Interface Reference for more details.

MasterLogic	Supported	Supported	Supported	Supported	R5xx BCC: Please 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 OPC 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 and R501

12.4 Industry standard interfaces

SCADA Interface	Support Level				Considerations
	R410	R43x	R50x	R51x	
Modbus (RTU, Plus, ASCII and 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> <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
OPC Client Interface (Classic OPC SCADA Client)	Supported	Supported	Supported	Supported	It is recommended that MatrikonOPC servers are used for third party integration.
OPC 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-61850 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, please contact your Account Manager to discuss options including the use of MatrikonOPC drivers.

Legacy Experion interfaces not listed here may still be supported for upgrades only. Please review the Experion PKS R410/R43X/R50x/R51x SCN for further details.

SCADA Interface	Support Level				Considerations
	R410	R43x	R50x	R51x	
ABB Totalflow	N/A	N/A	Supported	Supported	R410: Not available in Experion R410. R43x: Not available in Experion R43x. R5xx: Supported in Experion R5xx. Validated with TCI Toolkit version 3.07, an XRC6990 RTU, and also with the ABB Totalflow emulator.
Allen-Bradley Interface	Supported	Supported	Supported	Supported	R5xx: RSLinx 4.10.00 is supported. R51x: See technote 395 for the solution to PAR 1-A3IXP93 (SQL dump files created every 1 hour on the R510 servers causing the C: drive to eventually fill up). Per KSM2016-009: The use of the RSLinx Classic OPC 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 OPC 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 or Experion R43x or Experion R5xx. 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 or Experion R43x or Experion 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: 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

SCADA Interface	Support Level				Considerations
	R410	R43x	R50x	R51x	
Bristol Babcock OpenBSI Interface	Not Validated	Validated*	Validated*	Validated*	<p>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.</p> <p>R43x: *Available in Experion R43x for approved customers only. Contact TAC if this interface is required.</p> <p>R5xx: *Available in Experion R5xx for approved customers only. Contact TAC if this interface is required.</p> <p>R5xx BCC: Expected to work but not yet validated on a BCC topology. Contact TAC if this interface is required.</p> <p>Reference: http://www.documentation.emersonprocess.com/groups/public/documents/instruction_manuals/d301414x012.pdf </p>
Bristol Babcock RTU Serial Interface	Not Validated	Not Validated	Not Validated	Not Validated	<p>Honeywell has not fully validated this interface with Experion R410 or Experion R43x or Experion R5xx.</p> <p>R501.2 SP1 will include fix for PAR 1-9X13M17.</p>
Enron Modbus	N/A	Supported	Supported	Supported	<p>R410: Not available in Experion R410.</p> <p>R43X: Supported in Experion R43x. Validated with “NuFlo Cameron Scanner 2000” device.</p> <p>R5xx: Supported in Experion R5xx. Validated with “NuFlo Cameron Scanner 2000” device.</p>
Fisher ROC	N/A	N/A	Not Validated	Not Validated	<p>Supports both Fisher ROC and Fisher ROC Plus protocols.</p> <p>R5xx: Validated in R5xx against FloBoss 107 and ROC800L devices.</p> <p>R5xx BCC: Expected to work but not yet validated on a BCC topology.</p>
GE Fanuc Series 90 PLC via Ethernet	Validated	Validated	Validated	Not Validated	<p>Honeywell has validated this interface to work with Experion server for R43x and R500 only.</p> <p>Customers should consider moving to the Kepware OPC Server as the long-term solution: https://www.kepware.com/en-us/products/kepserverex/drivers/ge-ethernet/ </p> <p>This Kepware OPC Server is supported on the Experion server.</p>

SCADA Interface	Support Level				Considerations
	R410	R43x	R50x	R51x	
					<p>Notes:</p> <ul style="list-style-type: none"> GE Fanuc Series 90 Interface was last tested against 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 were validated. GE Host Communications Toolkit has been discontinued by GE. Honeywell is not able to provide support for the toolkit. The GE 9030 PLC reached end of life in October 2017. <p>Also see the Be-Aware for more details on supported models: https://www.honeywellprocess.com/library/support/notifications/Customer/BW2005-14RevA_Experion-PSc%20GE%20Fanuc.pdf</p>
GE Series 6	Not Validated	Not Validated	Not Validated	Not Validated	<p>Honeywell has not validated this interface with Experion R410 or Experion R43x or Experion R5xx. The GE Series 6 Interface has been withdrawn from public general sale in Experion.</p> <p>Consider using DSA to a previous Experion Server release to interface to GE Series 6 devices.</p>
GEC GEM80 PLC Interface	Not Validated	Not Validated	Not Validated	Not Validated	<p>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.</p>
Hitachi Interface	Not Validated	Not Validated	Not Validated	Not Validated	<p>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.</p>
Micromax LPU & Video Paperless	Not Validated	Not Validated	Not Validated	Not Validated	<p>Honeywell has not fully validated this interface with Experion R410, R43x, or R5xx. The L&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>

SCADA Interface	Support Level				Considerations
	R410	R43x	R50x	R51x	
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 OPC Server: https://www.matrikonopc.com/opc-drivers/opc-apacs-direct/base-driver-details.aspx</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>Reference: http://cache.automation.siemens.com/dnV/Dg/DgxMTIzNQAA_79061961_DL/PCS7_APACS_OS_V80_SP1_ReadMe.pdf</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> <p>Consider using DSA to a previous Experion Server release to interface to Siemens S5 devices.</p>
Siemens S7	Validated	Validated	Not Validated	Validated	Siemens Simatic Net Hardnet-IE S7 V15 SW for S7

SCADA Interface	Support Level				Considerations
	R410	R43x	R50x	R51x	
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. Run-time 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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