

EXPERION PKS
RELEASE 510.2

Software Change Notice

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ABOUT THIS GUIDE

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

1.1 Revision history

Version	Date	Description
A	April 2019	Initial version of the document.
B	April 2019	Updated Firmware versions in the document.
C	May 2019	Updated SYCON.net section in the document.
D	July 2019	Updated Virtual UOC information in the document.

BEFORE YOU BEGIN

2.1 Do I need to upgrade?

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

2.2 Before you install this software upgrade

Before installing this software, you must review the latest known issues documented as Knowledge Base Articles, and download the latest documentation available on the Honeywell Process Solutions website (www.honeywellprocess.com).

2.2.1 To download the Knowledge Base Articles

Perform the below steps 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.

2.2.2 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.

INTRODUCTION

3.1 About this point release

This point release has the following major enhancements.

- The new feature **Hardware nodes diagnostic collection through DCT** is introduced in this release.
- FTE support for vUOC.
- UOC to ControlEdge PLC Peer to Peer Communication.
- Addresses issues and provides improvements requested since the release of Experion PKS R510.1.
- Enables upgrading prior releases of Experion PKS to Experion PKS R510.2.
- Provides users with the ability to receive the release via electronic download (VirtualUOC-50ms.ova and VirtualUOC-500ms.ova). Note that this is the default method for receiving the release when ordering. The electronic download also includes **Virtual UOC** as follows - Virtual UOC, supports both 50ms and 500ms (Part Numbers 51156483 and 51156484).

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.
- If you intend to upgrade or migrate controllers, 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.
- This point release is not qualified if there are Controlled Patch Controlled Release or Hotfixes installed on the system. These patches or hotfixes have to be uninstalled from the PC nodes (excluding the controllers/IOs), and the cluster (including controller/IOs) must be upgraded to the qualified point release before using this feature. For more information, contact HPS Migration Center of Excellence (COE).
- New features in this point release does not impact the earlier rule of direct migrations of controllers or IOs from any point release or patch to any target release as mentioned in the site-specific migration guide and scenario-specific migration guide. For qualified controller migration paths, refer to the Supported Controller Migration Paths section in this SCN.
- This point release does not impact the earlier rule of direct migrations of controllers

or IOs from any point release or patch to any target release as mentioned in the site-specific migration guide and scenario-specific migration guide. For qualified controller migration paths, refer to the "Supported controller migration paths" on page 23 section in this SCN.

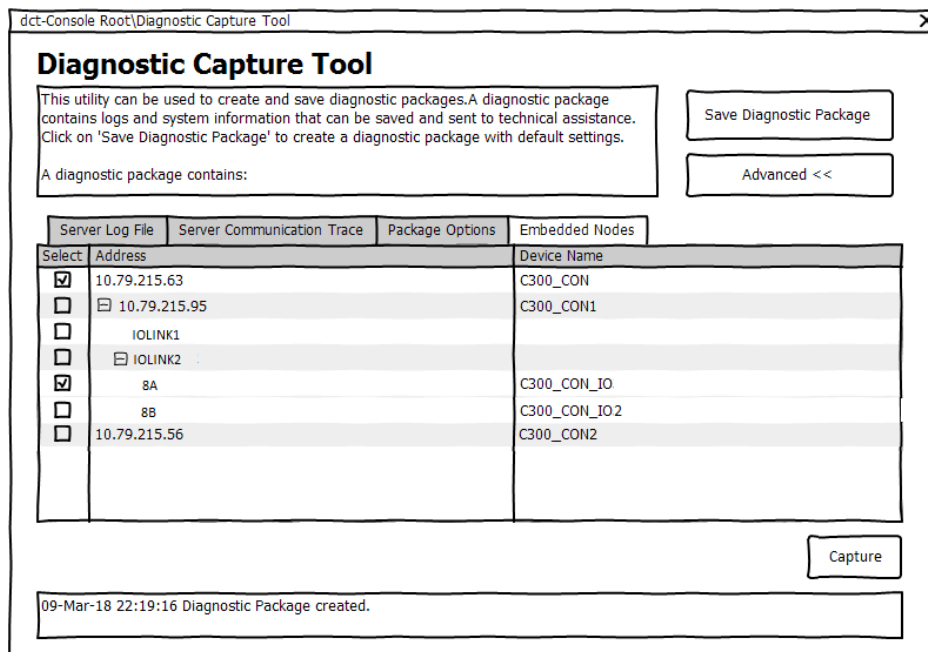
3.2 New features and enhancements

3.2.1 Hardware nodes diagnostic collection through DCT

The Hardware nodes diagnostic collection provides DCT tool capability to collect logs from all the applicable hardware nodes by allowing user to collect all the information including the diagnostics of the hardware module at a time. A new cab file which is created contains all the information such as device status, live running blocks, crash blocks etc. This can be configured from the DCT tool.

To collect the log information, perform the following steps:

1. On the Diagnostic Capture Tool, click **Advanced**.



2. Select **Embedded Nodes** tab.

The supported node names supported (Series-C controllers & IOs except CEP based and TPS based) and addresses are listed.

3. Select the required the nodes and click **Capture**.

The new cab file is created that contains all the collective information.

Supported nodes

1. C300
2. FIM4
3. FIM8
4. PGM2

Supported Series C IO modules

1. AI-HART
2. AI-HL
3. AI-LLMUX
4. AI-LLAI
5. AO-HART
6. AO
7. DI-HV
8. DI-24
9. DO-24B
10. DI-SOE
11. SVP
12. SP
13. PI

3.2.2 FTE support for virtual Unit Operations Controller (vUOC)

The virtual Unit Operations Controller (vUOC) now implements vFTE to provide redundant communications for connection to the Level 2/1 Fault Tolerant Ethernet network. Note, this does not apply to the downlink IO networks, such as those used for communication to EIP and Control Edge 900 I/O Modules. This enhancement allows the vUOC to support cases where if the network is partitioned, it can still maintain communication with other partner and peer devices on the opposite side of the partition. Before implementing this enhancement, you should review any existing connection requirements. Refer to *Experion Virtualization Planning and Implementation Guide* and *UOC User's Guide* to implement the Virtualization Host environment, Security requirements, and the connections to the FTE Network.

3.3 Resolved PARs

This section provides the details of resolved PARs.

3.3.1 Common Components resolved PARs

NOTE

The **Patch Name** column indicates if this PAR was resolved in a previous Patch/Hotfix.

Experion Station

PAR	Subsystem	Description	Patch Name
1-4YL169B	Experion Station-Faceplate	Missing point description on (fpcommon shape) faceplates, e.g., sysdtltpspid_fp.	
1-7JM58RN	Experion Station-Faceplate	Sysdtltpsdiginout_fp missing ramp return to value script.	

PAR	Subsystem	Description	Patch Name
1-9V3TED7	Experion Station-Faceplate	Experion TPS DIGIN Faceplate has radio (PV) indicators on right, but should be on left (UIS #4782).	

HMIWeb TPN Details

PAR	Subsystem	Description	Patch Name
1-6HMB50Z	HMIWeb TPN Details	Sysdtltps-tablogicdevctl.htm to allow or a detail invocation of the points taking part in the logic.	
1-8WQVMLB	HMIWeb TPN Details	Rapid display invocations in SafeView may lead to orphaned/non-closed displays.	
1-9RAAACD	HMIWeb TPN Details	Context menu icons are highlighted with pink color for TPS points due to which the icons are not clear.	

Safeview

PAR	Subsystem	Description	Patch Name
1-7M10Z4R	Safeview	SafeView replacement of maximized display may be incorrectly positioned.	
1-8MKMW07	Safeview	When opening a new display in a maximized SafeView window, after a restore, the size is not correct.	
1-9AYTWR	Safeview	SafeView stop working on Prior Display invocation (when extremely long command line string).	
1-9QLENXJ	Safeview	SafeView graphical editor removes 'closable = yes;' line from .WDL file when Closable box checked.	
1-ACEXSQN	Safeview	SafeView Graphical Editor - Window Specification Dialog group box misaligned.	

Network-Equipment and Support

PAR	Subsystem	Description	Patch Name
1-9VX8RUG	Network-Equipment and Support	IGMP General Messages from Experion PKS Primary server are not being passed to Cisco switches.	
1-8VIW6IN	Network-Equipment and Support	[PCT] Embedded Nodes connected to HP L1 switch occasionally not seeing other nodes for about 20 secs.	
1-8VJGE86	Network-Equipment and Support	P2P betn C300s connected to CF9 & HP L1 switch gets initialized on CF9 Yellow uplink cable test.	
1-9S58LAP	Network-Equipment and Support	Add Route is sending IGMP query messages from nodes other than the Primary server.	

PAR	Subsystem	Description	Patch Name
1-A1P6NR9	Network-Equipment and Support	IGMP General Message sent with 0.0.0.0 IP address as source by add route function.	

3.3.2 Controllers and Tools resolved PARs

NOTE

The **Patch Name** column indicates if this PAR was resolved in a previous Patch/Hotfix.

IXP-Import Export

PAR	Subsystem	Description	Patch Name
1-8UIXMMP	IXP-Import Export	Importing CMs into Control Builder with "Overwrite Existing Objects" option enabled fails.	

SCM-Sequential Control Module

PAR	Subsystem	Description	Patch Name
1-9CGRENF	SCM-Sequential Control Module	LOC Having a controller issue the SCM is not working properly due to peer memory issue.	

ModBus TCP Infrastructure

PAR	Subsystem	Description	Patch Name
1-9MCOB71	ModBus TCP Infrastructure	C300 PCDI needs to handle split packets response from the Modbus TCP device.	

Control Builder

PAR	Subsystem	Description	Patch Name
1-9FOG4JL	Control Builder	Exporting one particular SCM from one database and importing to another is failing.	
1-A1TUSUD	Control Builder	Redundant ENIM license usage not properly counted in Control Builder.	
1-1D680D	Control Builder	Importing the Primary Components (FTE_Primary, CPM_Primary) with out secondary has to be blocked.	
1-AAGRE1X	Control Builder	R501.2 Engr access is not able to add the new bulk edit add-on or see the new bulk config.	
1-9RBVRM5	Control Builder-Search	Incorrect CM opened from Configuration Studio search.	
1-9TX82DR	Control Builder-Chart	Channel Assign , Un-Assign give error EXPKS_E_CL_TEMPLDEFD (1L .101.10017).	

PAR	Subsystem	Description	Patch Name
1-A5T077Z	Control Builder-Chart	Open CM with a lot cross referencing in it blocks by other CMs/SCMs, take more than 35sec to open.	
1-A6939SV	Control Builder-Fieldbus	FF Upload and Update to Project with values Out of Range.	
1-8EJ3CWX	Control Builder-Fieldbus	Fisher DVC6200/6000FF - Device methods not able to execute "write lock must be removed to perform".	
1-ABDL30X	Control Builder-System Repository	Can not display Japanese characters on EPKSR510.1.	

EIP-CEE-Embedded

PAR	Subsystem	Description	Patch Name
1-96E4ICX	EIP-CEE-EMBEDDED	EPKS R500.2 C300 OPM Failure when using (EIP Driver)) PF755 Channel in CM.	

EHG-Experion Hiway Gateway

PAR	Subsystem	Description	Patch Name
1-9XX5GPB	EHG-Experion Hiway Gateway	EHGFP block is removed in R500. XOM is blocked in EHG migration using Signal Match.	
1-A568CRT	EHG-Experion Hiway Gateway	EHG related system displays (faceplates etc,...) are missing from R501.	

ELCN

PAR	Subsystem	Description	Patch Name
RELCN-2086	ELCN	New Primary ELCN ENIM failed to take over during manual failover.	
RELCN-2266	ELCN	Unable to Flash ELCN Firmware 224. Error while unzipping the files by Firmware Manager.	
RELCN-2277	ELCN	ELCN Bridge may failover if the LCN Transmit gets too busy. Secondary may fail as well.	
1-AVWYG9T	ELCN-TNode	ELCN Nodes goes to ISOLATED state when there is a dual clock master in LCN.	

Detail Displays

PAR	Subsystem	Description	Patch Name
1-A2T6NGF	Detail Displays	C300 PID Loop tune tab - trend allows only for 5 secs sampling interval.	

CDB-Buildtime

PAR	Subsystem	Description	Patch Name
1-A7KP0TT	CDB-Buildtime	Imported CDBs from R500.2 into R510.1 are not compatible to the UOC after import.	

CF-Control Function

PAR	Subsystem	Description	Patch Name
1-A5BLOY5	CF-Control Function	Load while active parameter ISSUPPRIM is giving error while loading.	

Procedure Explorer

PAR	Subsystem	Description	Patch Name
1-A3296NN	Procedure Explorer	[SFT] Unable to access the Parameter UI when we Invoke P.E from Unit timeline(RCM as Proc).	

Table View

PAR	Subsystem	Description	Patch Name
1-A1NNRN9	Table View	Single Step and Safe Step Button not available while using Table View.	

CTools

PAR	Subsystem	Description	Patch Name
1-AE5SXYH	CTools	Enhance DCT tool to support collecting the diagnostic information across the hardware module.	

Control Functions - Batch

PAR	Subsystem	Description	Patch Name
1-9R6ZXQ5	Control Functions - Batch	After failover, Unit Timeline may not show past elements and future predictions may be incorrect.	

FDS - Field Device Service

PAR	Subsystem	Description	Patch Name
1-A3JUEK8	FDS - Field Device Service	Automated and Assisted Loop Check Failed with Run Time Error "449".	

CDA-Embedded

PAR	Subsystem	Description	Patch Name
1-A9HJ7SL	CDA-Embedded	In UOC or VUOC Batch Notification recovery is slow.	

Profibus Interface Modules

PAR	Subsystem	Description	Patch Name
1-9V9Y7CT	Profibus Interface Modules	PB links, DSB and PBHIOMB are grayed out after Enable/Disable sync and Switchover test.	

EBM-Tools

PAR	Subsystem	Description	Patch Name
1-AI94R4W	EBM-Tools	Controller Subscription load exceeds spec when Datablock of RCM/MR is opened from monitoring side.	

CE900-IO

PAR	Subsystem	Description	Patch Name
1-AS7VP73	CE900-IO	UAI channels does not meet the over range limit(+/- 10%) specification for the linear voltage ranges.	

Firmware

PAR	Subsystem	Description	Patch Name
1-AMJV3HW	Firmware	EHPM (Experion integrated) reporting OFFNET, & Power Quicc reporting 0x3A0 crash code. IMR Timeout.	

3.3.3 Installation and Migration resolved PARs

NOTE

The **Patch Name** column indicates if this PAR was resolved in a previous Patch/Hotfix.

NameIP Change

PAR	Subsystem	Description	Patch Name
1-A9LAP01	NameIP Change	FTE Mux Adapter name changed from "Honeywell FTE Mux Adapter" to "Ethernet" after deployment.	
1-A5072UN	NameIP Change	After deployment of Experion Node, Base IP Address did not update in System Preference.	

PAR	Subsystem	Description	Patch Name
1-A699A0R	NameIP Change	After deployment of console node, configuration update step failed for already renamed node.	
1-8W0F4HF	NameIP Change	Node Rename tool throws error for PCUS node with message "The node is not supported by NCT".	
1-9XN3RQS	NameIP Change	While execution NCT on SRVB, Impacted Node listed as FTEB and PGM.	
1-A2045ZZ	NameIP Change	NCT Tool does not configure FTE Yellow adapter parameters correctly causing extra persistent route.	
1-AR4QOIO	NameIP Change	Deploying Experion template from ESM fails at IP address change step.	
1-9VLR LUH	Node Rename	Node Config Tool is not updating ELCN OPC Server reg entries.	
1-8EEG94V	NameIP Change	Wrong message is displayed in NCT display for Controller step.	
1-A55RCU7	NameIP Change	After deployment of Experion nodes, Host name does not update in Host File.	

Experion Installer

PAR	Subsystem	Description	Patch Name
1-447BR3F	INS-Experion Installer	Experion_Update_Manager.exe has stopped working message appeared during clean R431.2 R3 installation.	
1-ATOCFSR	INS-Experion Installer	Installation of R501.4 Rev11 Build is blocked for PCUS.	
1-9TJOTAZ	INS-Experion Installer	Experion release in R510 Migrated system appeared as R500.2 in ABOUT window.	

3.3.4 Servers and Stations resolved PARs

NOTE

The **Patch Name** column indicates if this PAR was resolved in a previous Patch/Hotfix.

HMIWeb Display Builder

PAR	Subsystem	Description	Patch Name
1-9HW7QTB	HMIWeb Display Builder	Sometimes "Type of breakpoint" property under Animation tab does not set if "Faceplate" behavior is applied.	
1-APP5HNL	HMIWeb Display Builder	Script error is generated on page load when a process graphic containing an activity table is launched as a pop up.	

Quick Builder

PAR	Subsystem	Description	Patch Name
1-97S8B35	SQL Database	Quick Builder does not support localization of Duplicate, Copy/Paste features	
1-AZSEFZT	Property Sheets	Quick Builder considers a state descriptor for status point or status UDSP with value " " as invalid.	

Server

PAR	Subsystem	Description	Patch Name
1-9ZOWLB3	Batch Manager	Optimization of network data sent for updates on Unit Timeline once open.	
1-A1KQ8UV	Batch Manager	Unit Timeline Past and Future minute configuration for Operators is applied reversed.	
1-AMEDMB9	Batch Manager	Removing a large number of activities using the Batch API may result in degraded server performance.	
1-AI7TWRD	Batch Manager	Batch Summary may show questionable status temporarily when applying multiple formula parameters or unit selections.	
1-AOW5W9X	Batch Manager	The Unit Timeline and Procedure Explorer tree may have some missing elements after server failover.	
1-AMEH9VX	Batch Manager	When there is a batch phase delay, Timeline may show an incorrect prediction on parent elements until a new phase starts.	
1-A3C3QHP	Batch Manager	Very rarely, Activity Summary may stop updating after a unit download from Control Builder or server failover.	
1-AAEX9FC	Batch Manager	Cannot enter value for instruction message if a float data type with NaN value or a string data type.	
1-ASYEIQV	Batch Manager	Activities do not change asset when primary unit specified, causing incorrect message asset.	
1-AXN1P81	Batch Manager	Unit Timeline lanes on DSA subscriber may not show correct 'connection lost' indication if they were in use and the link to the publisher is lost.	
1-AXMDM29	Batch Manager	Missing batch ID and status on Timeline Unit Card if no Phase has started and no Reference Batch selected.	
1-B079V6R	Batch Unit Timeline	Unit timeline does not visually indicate when there is a DSA/controller disconnection or recovery in progress.	

PAR	Subsystem	Description	Patch Name
1-B07K3L9	Batch Unit Timeline	Some completed procedural elements may not reappear on DSA subscriber Unit Timeline after DSA is disabled and enabled.	
1-B07LNH7	Batch Unit Timeline	Station script error popup appears when Unit Timeline is called up if many units configured and many batches running.	
1-B07NYU1	Batch Unit Timeline	When DSA connection lost, a Timeline unit lane which is owned by the DSA publisher and currently acquired may get hidden.	
1-9X13M17	Bristol Babcock Interface	Unable to view any values from Bristol Babcock serial or terminal server connected devices because channel doesn't start up successfully.	
1-9QC3TSJ	CDA Integration	It is not possible for an application to determine when a controller priority change occurred.	
1-B07M51F	Displays - General	Dark theme is not retained after migration from R500.2 to R501 .	
1-A4C2V6V	Displays - General	Ethernet Status LED icons missing in CPM tab of Control Edge RTU.	
1-ABLCR23	Displays - General	Support a third party Leak Detection System to model complex pipelines whilst delivering key LDS metrics and alarming information from the Experion HMI.	
1-9L8KCZL	Displays - Point/Group and Faceplates	When using Analog Faceplates on the Group Detail and Group Trend page the EU Range does not scale to match the PV indicator level.	
1-AKZ2G7V	Displays	DSP displays indicator object does not read value range and does not scale properly.	
1-9ZFGMVD	Electronic Flow Measurement	Configuring Liquid meter run in ControlEdge RTU R151 results in Alarms Event collection failure for Gas meter in Experion.	
1-AT1JZPH	Equipment Manager	Leak size units using capital H instead of "h".	
1-APIZVGL	Event Archiving	Elements missing from Unit Timeline bar and incorrect batch reports after a server failover.	
1-9T8276P	File Replication	After migration from Experion R500, some file replications entries may take an excessive amount of time to complete the file copies.	
1-A6WB7P5	GDA - Notifications	Raising activities on an Experion server may cause an EBI Server that is connected via DSA to repeatedly disconnect and reconnect.	

PAR	Subsystem	Description	Patch Name
1-ADTFL71	GDA - Points	Alphanumerics may temporarily go to inverse video during history recovery if Experion link has a very large number of point parameters.	
1-9XG6FRF	GDA - Points	Limit Help is not displayed when Experion is integrated with DynAMo Operations Suite R211 and above.	
1-ATP1W4Z	GDA - Points	Alarm and Limit Help from Dynamo cannot be seen in Experion, and certain special characters in help text will cause additional issues.	
1-9V3DFRN	IEC 61850 Interface	Improve support of Siemens devices by polling them before the time out period so that they do not report connection timeout resulting in duplication of the sequence of events.	
1-9X8LTFL	Installation	R500.2 History archive directory after install server patch it automatically change to default path.	
1-AQXWLOJ	Licence Management	Loading UOC points gives "Server Capacity Error" .	
1-AL5PJND	Moore APACS Interface	Unable to write to Moore APAC points post migration.	
1-AHSEO09	Network API	Client applications using the Network API are sometimes unable to connect to server.	
1-7BBVZXX	Notification Management	Silence settings do not support console scope ack/silence and external alarm notification.	
1-8ZYTZP5	Notification Management	If deactivation delay is set and suppression group is disabled, activating the trigger will cause the group to suppress.	
1-9ZKZF57	Notification Management	Acknowledging non TPS or CDA messages on a flex station will acknowledge the message in all consoles regardless of console acknowledgment settings.	
1-ACZUP5J	Notification Management	If a acknowledged alarm is shelved with the "unshelve if the alarm returns to normal" option enabled, the error message shown to the operator is misleading.	
1-9X7MXYN	Notification Management	When the Alarm Summary is opened on a system, parameter subscriptions for live values will always be at 1 second regardless of the Station update rate.	
1-A6QW7WX	Notification Management	When the alarm summary is filtered by alarm state, there is no visible indication on the alarm summary that the filter has been applied.	
1-ABFKXRP	ODBC Driver	R511 ODBC client is unable to query pre-R511 Experion systems .	

PAR	Subsystem	Description	Patch Name
1-AZ7MEHV	OPC UA Data Client (Scan Task)	Support for OPC UA Method calls via destination address writes on OPC UA SCADA client.	
1-ADOG67J	Server Scripting	On systems in timezones that are ahead of GMT, changes to existing server scripts aren't applied when the script is committed.	
1-9ZIRIXL	System Libraries	Server Interop DLL is not available from an Experion Installation.	
1-9AT6F1L	TPS Interface	Sometimes on the LCN dashboard, EHPM nodes show as HPM nodes (and vice versa) and TCMI nodes don't show TCMI .	
1-9ARF77V	TPS Interface	LCN nodes that are in OFF state are more prominent than LCN nodes in OK state.	
1-9TKC40D	TPS Interface	Sometimes backup ENIM flashing as unacknowledged even though everything is acknowledged.	
1-9TIPS2P	TPS Interface	Composite button is showing only for backup UCN node.	
1-9CT9ZJ3	TPS Interface	When the Experion system status alarm list is filtered by selecting a TPS node in the dashboard the platform block alarms related to that node may not show in the filtered alarm list.	
1-9X7FVQ5	TPS Interface	TCMI backup node is always showing as Unknown in UCN dashboard.	
1-9O6NKXL	TPS Interface	The context menu of the LCN NIM shape is missing the UCN Status item.	
1-9R7UJRR	TPS Interface	The "Default system status dashboard" setting for operators and Stations may not show the automatically generated LCN and UCN dashboards in the list.	
1-9SI9SLX	TPS Interface	Redundant ELCN bridge node boxes may show cross mark on the LCN Status dashboard.	
1-9T414HH	TPS Interface	History Status is not updating correctly on the LCN shape and the LCN node faceplate.	
1-9T4EQZJ	TPS Interface	The first page of the ELCN SM dashboard only shows 52 nodes instead of 64, the rest of the nodes are on page 2.	
1-9TKK41D	TPS Interface	On LCN System Status dashboard, backup node is always showing '?' in the node status in Status pane.	
1-9TL662N	TPS Interface	Power On status on LCN Status dashboard doesn't blink or show acknowledgement message.	

PAR	Subsystem	Description	Patch Name
1-9ZY3TMT	TPS Interface	Peripheral ICON is appearing on dashboard for nodes that are OFF or have an "OK" peripheral status.	
1-A00S40T	TPS Interface	UCN network faceplate displays incorrect heading for UCN cable status and does not display all required status information.	
1-9ZWT0N3	TPS Interface	The status pane on the system status display may show red dashes for FTE devices.	
1-9ZWT0NX	TPS Interface	The UEA ENIM node detail display has some minor text issues.	
1-9YACR8B	TPS Interface	Non-ELCN UCN nodes on the dashboard may incorrectly show an icon in their shape.	
1-A00QNC5	TPS Interface	ELCN EPLCG, EHB, Redundant AM and SIMNIM/SIMEHPM nodes don't show an icon in the system status tree or system status dashboard.	
1-A0000XB	TPS Interface	The device icon for the ELCN dashboard shapes does not indicate if the node is virtual or not.	
1-A6C2YJ1	TPS Interface	Requesting a list of parameters from an EHPM point can result in an increase in memory usage that may eventually cause performance to degrade.	
1-A74AW17	TPS Interface	Dashboards are not created for SIM NIMs.	

Station

PAR	Subsystem	Description	Patch Name
1-AXMDNJ1	Station	Station may stop working when launching PMD faceplate on operator touch panel.	
1-7KCQ3MV	Station	Limit trend opens by default without any scaling.	
1-A8ITB8R	Station	Script error appears after first touch on Limits Trend canvas on OTP.	
1-9GM1HG5	Station	OTP/OEP layout causing LCD monitor persistent image over the time.	
1-9RBUGCV	Station	Anunciator panel on COM1 DTR does not function.	
1-98NKTRZ	Station	Station gets resized when Operator Touch Panel option is enabled and then disabled in Station connection properties.	
1-8IBMEZ3	Station	Display Lock button present on OTP is not available when using touch panel as OEP.	
1-ACMS2L1	Station	Mouse Pointer fails to default to arrow on DSP Displays.	
1-AZR5HT1	Station	HSCPopupWindows.exe consumes excessive memory when loading PMD pop ups or faceplates.	

3.4 Applicable nodes

This point release is applicable for the following nodes:

Sl.No.	Node	Experion PKS R510.2 Applicable?
1	Application Server (EAS)	Yes
2	Application Control Environment (ACE)	Yes
3	Application Control Environment TPN Connected (ACET)	Yes
4	Console Station (ES-C)	Yes
5	Console Station TPN Connected (EST)	Yes
6	Console Extension Station (ES-CE)	Yes
7	Experion Server (ESV)	Yes
8	eServer	Yes
9	Experion Server TPN Connected (ESVT)	Yes
10	Experion HiWay Gateway (EHG)	Yes
11	Experion Application node. (E-APP)	Yes
12	Flex Station (ES-F)	Yes
13	Simulation Control Environment (SCE)	Yes
14	PHD Point Server	Optional
15	Collaboration Station	Yes
16	ELCN HM	Yes

3.5 Applicable modules

This point release is applicable for the following modules.

Sl.No.	Module	Experion PKS R510.2 Applicable?
1	Enhanced High-Performance Process Manager (EHPM)	Yes
2	C200CPM	No
3	C200E controller	Yes
4	C300 controller	Yes
5	Fieldbus Interface Module (FIM)	Yes
6	Fieldbus Interface Module (FIM) 4	Yes
7	Fieldbus Interface Module (FIM) 8	Yes
8	Fault Tolerant Ethernet Bridge Module (FTEB)	Yes
9	Experion Hiway Bridge (EHB)	Yes
10	IO Link Interface Module (IOLIM)	Yes
11	I/O Module	Yes
12	PROFIBUS Gateway Module (PGM) 2	Yes
13	Redundancy Module (RM)	Yes
14	CF9*	Yes
15	ENIM	Yes
16	ELCN Bridge	Yes

Sl.No.	Module	Experion PKS R510.2 Applicable?
17	Universal Embedded Appliance (UEA)	Yes

* This point release contains firmware of new CF9 hardware version D. DO NOT attempt to flash a CF9 Hardware revision lower than D with this firmware. Please refer to **BW 2016–10** for more details.

3.6 Supported migration and upgrade paths

The following migration paths are supported.

- [Supported controller migration paths](#)
- [Supported migration and upgrade paths](#)

3.6.1 Supported controller migration paths

The following controller migration paths are supported.

Item No.	Controller path
1	R410.1 (410.1.85.0)
2	R410.1 CPCR1
3	R410.1 CPCR2
4	R410.1 CPCR3
5	R410.1 CPCR4
6	R410 Controller Patch 3 (410.1.85.106)
7	R410 Controller Patch 4 (410.1.85.112)
8	R410.2 (410.1.85.209)/ (410.1.85.210)
9	R410.2 CPCR1
10	R410.2 CPCR2
11	R410.2 CPCR3
12	R410.2 CPCR4
13	R410.3 (410.1.85.221)
14	R410.3 CPCR1
15	R410.3 CPCR2
16	R410.3 CPCR3
17	R410.4 (410.1.85.230)
18	R410.4 CPCR1
19	R410.4 CPCR2
20	R410.4 CPCR3
21	R410.4 CPCR4
22	R410.5 (410.1.85.250)
23	R410.5 CPCR1
24	R410.5 CPCR2
25	R410.5 CPCR3

Item No.	Controller path
26	R410.6 (410.1.85.270)
27	R410.6 CPCR1
28	R410.6 CPCR2
29	R410.6 CPCR3
30	R410.6 CPCR4
31	R410.7 (410.1.85.315)
32	R410.7 CPCR1
33	R410.7 CPCR2
34	R410.7 CPCR3
35	R410.8 (410.1.85.390)
36	R410.8 Tools and Controller Hotfix1
37	R410.8 Tools and Controller Hotfix2
38	R410.8 Tools and Controller Hotfix3
39	R410.8 Tools and Controller Hotfix4
40	R410.8 Tools and Controller Hotfix5
41	R410.8 Tools and Controller Hotfix6
42	R410.8 Tools and Controller Hotfix7
43	R410.8 Tools and Controller Hotfix8
44	R410.8 Tools and Controller Hotfix9
45	R410.8 Tools and Controller Hotfix10
46	R410.9 (410.1.85.432)
47	R410.9 Tools and Controller Hotfix1
48	R410.9 Tools and Controller Hotfix2
49	R410.9 Tools and Controller Hotfix3
50	R410.9 Tools and Controller Hotfix4
51	R410.9 Tools and Controller Hotfix5
52	R410.9 Tools and Controller Hotfix6
53	R410.9 Tools and Controller Hotfix7
54	R410.9 Tools and Controller Hotfix8
55	R410.9 Tools and Controller Hotfix9
56	R410.9 Tools and Controller Hotfix10
57	R410.9 Tools and Controller Hotfix11
58	R430.1 (430.1.96.0)
59	R430.1 CPCR1
60	R430.2 (430.1.96.100)
61	R430.2 CPCR1
62	R430.2 CPCR2
63	R430.3 (430.1.96.121)
64	R430.3 CPCR1
65	R430.3 CPCR2

Item No.	Controller path
66	R430.4 (430.1.96.154)
67	R430.4 Tools and Controller Hotfix1
68	R430.4 Tools and Controller Hotfix2
69	R430.4 Tools and Controller Hotfix3
70	R430.4 Tools and Controller Hotfix4
71	R430.4 Tools and Controller Hotfix5
72	R430.5 (430.1.96.183)
73	R430.5 Tools and Controller Hotfix1
74	R430.5 Tools and Controller Hotfix2
75	R430.5 Tools and Controller Hotfix3
76	R430.6
77	R430.6 Tools and Controller Hotfix1
78	R430.6 Tools and Controller Hotfix2
79	R431.1 (431.1.49.0)
80	R431.1 Tools and Controller Hotfix1
81	R431.2 (431.1.49.104)
82	R431.2 Tools and Controller Hotfix1
83	R431.2 Tools and Controller Hotfix2
84	R431.2 Tools and Controller Hotfix3
85	R431.2 Tools and Controller Hotfix4
86	R431.3 (430.1.96.132)
87	R431.3 Tools and Controller Hotfix1
88	R431.3 Tools and Controller Hotfix2
89	R431.3 Tools and Controller Hotfix3
90	R431.3 Tools and Controller Hotfix4
91	R431.3 Tools and Controller Hotfix5
92	R431.3 Tools and Controller Hotfix6
93	R431.4
94	R431.4 Tools and Controller Hotfix1
95	R431.4 Tools and Controller Hotfix2
96	R431.4 Tools and Controller Hotfix3
97	R431.4 Tools and Controller Hotfix4
98	R431.4 Tools and Controller Hotfix5
99	R431.5
100	R431.5 Tools and Controller Hotfix1
101	R431.5 Tools and Controller Hotfix2
102	Experion R432.1
103	ExperionPKS_R432.1_C200-C300_FTEB-SeriesA_QVCS_Patch
104	R432.1 Tools and Controller Hotfix1
105	R432.1 Tools and Controller Hotfix2

Item No.	Controller path
106	R432.1 Tools and Controller Hotfix3
107	R432.1 Tools and Controller Hotfix4
108	R432.1 Tools and Controller Hotfix5
109	R432.1 Tools and Controller Hotfix6
110	Experion R432.2
111	R432.2 Tools and Controller Hotfix1
112	R432.2 Tools and Controller Hotfix2
113	R432.2 Tools and Controller Hotfix3
114	R432.2 Tools and Controller Hotfix4
115	R432.2 Tools and Controller Hotfix5
116	Experion R500.1
117	R500.1 Tools and Controller Hotfix1
118	R500.1 Tools and Controller Hotfix2
119	R500.1 Tools and Controller Hotfix3
120	R500.1 Tools and Controller Hotfix4
121	R500.2
122	R500.2 Tools and Controller Hotfix1
123	R500.2 Tools and Controller Hotfix2
124	R500.2 Tools and Controller Hotfix3
125	R500.2 Tools and Controller Hotfix4
126	R500.2 Tools and Controller Hotfix5
127	R500.2 Tools and Controller Hotfix6
128	R500.2 Tools and Controller Hotfix7
129	R501.1
130	R501.1 Tools and Controller Hotfix1
131	R501.1 Tools and Controller Hotfix2
132	R501.2
133	R501.2 Tools and Controller Hotfix1
134	R501.2 Tools and Controller Hotfix2
135	R510.1
136	R510.1 Tools and Controller Hotfix1

C - Cumulative patch.

3.6.2 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 R510.2 without hopping through R510.1
1	Experion R410.1
2	Experion R410.2
3	Experion R410.3
4	Experion R410.4
5	Experion R410.5
6	Experion R410.6
7	Experion R410.7
8	Experion R410.8
9	Experion R410.9
10	Experion R430.1
11	Experion R430.2
12	Experion R430.3
13	Experion R430.4
14	Experion R430.5
15	Experion R430.6
16	Experion R431.1
17	Experion R431.2
18	Experion R431.3
19	Experion R431.4
20	Experion R431.5
21	Experion R432.1
22	Experion R432.2
23	Experion R500.1
24	Experion R500.2
25	Experion R501.1
26	Experion R501.2

2. Supported server upgrade paths

Supported server upgrade path is R510.1.

3.7 Honeywell software components and versions

This chapter lists the versions of Honeywell software components.

- [Compatibility with TPN releases](#)

3.7.1 Compatibility with TPN releases

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

Experion release	Minimum TPN system software
R201, R21x, R301.x	TPN R641.2
R31x.x, R400.x, R410.x, R430.x, R431.x, R432.x, R500.x	TPN R535.1 or later R5xx releases in this series. TPN R652.1 or later R6xx releases in this series.

Experion release	Minimum TPN system software
R501.x, R510.x, R511.x	TPN R535.1 (or later R5xx) – no longer supported TPN R686.4 without ELCN/EUCN TPN R687.2 (or later) with ELCN/EUCN

NOTE

- TPN R680.1 or later (EPKS R310.x or later) is required to:
 - Correctly display disabled alarms on Flex Stations.
 - Allow the **Option to show Uncertain Quality for TPS points** functionality
- TPN R681.x or later (EPKS R311.x or later) is required for proper integration of **Selective Contact Cutout** functionality.
- TPN R682.x or later (EPKS R400.x) is required for **Message clear required** functionality.
- TPN R683.2 or later (EPKS R410.x) is required to:
 - New TPS Console/System alarm integration.
 - Fully functioning integration for HMIWeb TPS Detail Displays.
- TPN R685.1 or later (EPKS R430.x) is required for EUCN functionality.
- TPN R687.2 required for ELCN Phase1 which is for ESVT, EST, EAPP, ACE-T, HM and ELCN Bridge. Physical ENIM (Redundant), and AM (Non-Redundant) in the Universal Embedded Appliances (UEA).
- TPN R688.1 required for ELCN Phase2 which incorporates virtual ENIM (Redundant), AM (Redundant) and EHB. Also, adds Physical EPLCG, AM (Redundant) and EHB in the Universal Embedded Appliances (UEA).
- Ensure that you are using the Utilities and Load Module (ULM) media that corresponds to the Experion release for the proper version of the Z12 and Z14 emulated disks. If not, some Experion functions may not operate/integrate correctly.
- For customers with no existing US or GUS nodes: GUS-TPN Software CD R652.1 (or later) is required.
- For customers with no existing Experion APP or AM nodes: TPN Application Module Software CD R652.1 (or later) is required.

TPN Software Release version	Is required for this functionality	Note
TPN R688.1	ELCN Phase 2	Experion R510.2
TPN R687.2	Enhanced local area network (ELCN), Triconex communication module interface (TCMI)	Enhanced local area network (ELCN), Triconex communication module interface (TCMI) A minimum of Experion R510.2 is required for ELCN functionality.

The Utilities & Load Module Media (ULM) contains (among other things) the EST and ESVT load modules, which are necessary for proper Experion integration. It is crucial to have the version of the ULM that matches with your version of Experion software to ensure proper integration. Following are specific features and their versions:

- The Utilities and Load Module Media (ULM) version is ULM R301.19.
- The EST Load Module version is EST 68.11.
- The ESVT Load Module version is ESVT 68.03.

GETTING STARTED

4.1 Upgrade checklist

Task order	Task	Reference
1	Prerequisites	See section Prerequisites
2	Applicable nodes	See section Applicable nodes
3	Download the point release media	See section Downloading the point release media
4	Upgrade to this point release	See section 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 them and install them.	Experion Update Matrix at: http://www.honeywellprocess.com/library/support/software-downloads/Experion/experion-update-matrix.zip

4.2 Prerequisites

This point release can be installed on a node with any of the following Experion systems installed:

- Experion PKS R510.1

ATTENTION

- 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, enable Windows Firewall.
- Before installing this point release, uninstall PCA hotfix (if installed).
- Before installing this point release on ES-T and ES-CE (which is a Remote GUS Client) node types, ensure that the IKB Service package is installed on the node. (Installation of IKB Service is MANDATORY irrespective of whether physical IKB is used or not).

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

- Perform the upgrade readiness checks using the Upgrade Tool (UT) and/or Migration Readiness Tool (MRT) before performing Server and Controller Migration

and/or Upgradation.

- For more information about UT/MRT, refer to the *Experion Migration Planning Guide* and *Upgrade Tool Users Guide*.
- Microsoft Security Updates ISO DVD (October-ISO) is designed to install the Hotfix KB2925489 automatically on Experion PKS R510.x nodes. It is mandatory for other users who do not use Microsoft Security Updates ISO DVD to deploy security updates, to manually install Hotfix KB2925489 before installing Anti-Virus patches, on Experion PKS R510.x nodes. Download and install the Microsoft Hotfix KB2925489 available on request basis from the Microsoft vendor- <http://support2.microsoft.com/kb/2925489>.
- This point release affects multiple subsystems and some other products that integrate with Experion PKS. Please refer to [More about this point release](#) section before installing this point release.
- 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 Honeywell's Technical Assistance Center.

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 R510.1 Support Media Install completed on MM/DD/ YYYY HH:MM:SS AM/PM

4.3 Downloading the point release media

NOTE

The same media for Experion PKS R510.2 can be used to install Experion HS R510.2.

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_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z01
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z02
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z03
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z04
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z05
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z06
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.zip
2. Extract the zip files.

NOTE

Make sure that **WinZip** 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. Download **VirtualUOC-50ms.ova** and **VirtualUOC-500ms.ova** from the following links:
 - <http://honeywellprocess.blob.core.windows.net/public/Support/Experion/VirtualUOC-500ms.ova>
 - <http://honeywellprocess.blob.core.windows.net/public/Support/Experion/VirtualUOC-50ms.ova>

4.4 What task do you want to accomplish

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

- [Clean installation of R510.2](#)
- [Upgrade from R510.1 to R510.2](#)
- [Migrate from R5xx.x releases to R510.2](#)

4.5 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.

1. Create the Experion PKS Support Software media by downloading the latest point release media content from www.honeywellprocess.com website.
2. Refer [Downloading the point release media](#) section for extracting zip files and copying it to a temporary folder on the local hard disk or on the target machine (which will be upgraded).
3. **Prerequisites:**

- a. Experion PKS R510.x must be installed on the system.
- b. Verify the present version.

If the following line is present, the node has the appropriate product version to upgrade to this point release.

++Experion PKS R510.1 Support Media Install completed on MM/DD/ YYYY HH:MM:SS AM/PM

4. Start upgrade. Refer to section [Installation of the point release](#).

4.5.1 Clean installation of R510.2

1. Create the Experion PKS Support Software media by downloading the latest point release media content from www.honeywellprocess.com website:
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z01
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z02
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z03
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z04
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z05
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z06
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.zip.
2. Refer [Downloading the point release media](#) for extracting zip files and copying it to a temporary folder on the local hard disk or on the target machine (which will be upgraded).
3. Start installation. Refer to the *Experion Software Installation User's Guide* for assistance in installation.

4.5.2 Migrate from previous releases to R510.2

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 R500.1 to Experion R510.2. You need not migrate to R510.1 first and then upgrade to R510.2. For more details, refer to the *Experion Migration Planning Guide*.

To migrate to R510.2 from previous releases

1. Create the **Experion PKS Support Software media** by downloading the latest point release media content from honeywellprocess.com website:
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z01
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z02
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z03
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z04
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z05
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.z06
 - CM_EXP510.2-06.0_Experion_Updates_DVD_R510.2_Rev6_51156474.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 DVD, IKB OEP package.

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 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 to the *Experion Migration Planning Guide* for assistance in migration.

Sever client migration

The different server client migration and installation scenarios supported for Experion R510.2 are described in the *Experion Migration Planning Guide*. The document also describes the Microsoft Windows operating systems supported for different Experion node types and the behavior of the Install Sequencer when it is run on the system. Some migration scenarios may require a hardware upgrade.

Controller migration

ATTENTION

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

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

4.6 Installation of the point release

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

Sl.No.	Experion nodes	Refer to the section...
1	Server B	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/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, refer to the *Installation Builder User's Guide*.

- [Installing the point release on a non-redundant server node](#)
- [Installing the point release on a redundant server](#)
- [Installing the SYCON.net](#)
- [Installing IEC 60870](#)
- [Installing the point release on Experion Application Server/ Console/Flex/T Nodes/Console Extension station/eServer/Premium Access clients](#)
- [Installing the point release on ACE/ SCE/ EHG](#)
- [Updating common components packages \(optional step\)](#)
- [Migrating controllers](#)

4.6.1 Installing the point release on a non-redundant server node

NOTE

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

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

Pre-installation steps

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

ATTENTION

Ensure that you log on with the required privileges.

2. **For systems with licensed QVCS only:** Open the QVCS Manager application and complete the required 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 to the *Installation Builder User's guide*. If you are not using ESM to install the point release, go to step 2.
2. Browse to the folder containing the installer **Experion PKS R510.2 > 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 R510.2")
- 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.

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 R510.2 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 R510.2. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

Post-installation tasks

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

ATTENTION

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

4.6.2 Installing the point release on a redundant server

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

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

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

Installing the point release on Server B

NOTE

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

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

Pre-installation steps

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

ATTENTION

Ensure that you log on with the required privileges.

2. Confirm that Server A is primary.
3. Turn off file replication of the mapping 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**.
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 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 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 to the *Installation Builder*

User's guide. If you are not using ESM to install the point release, go to step 2.

2. Browse to the folder containing the installer **Experion PKS R510.2 > 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 R510.2"**)
- 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.

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 R510.2 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 R510.2. 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. Click **Start > All Programs > Honeywell Experion PKS > Server > Station** to start the station.
3. On the **Redundancy** tab, click **Synchronize** to synchronize the servers.
4. Click **Manual Failover**. The server failover takes place.

ATTENTION

Server B becomes primary.

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

ATTENTION

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

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

Pre-installation steps

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

ATTENTION

Ensure that you log on with the required privileges.

2. Confirm that Server 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**.

Installing the point release

1. If you are using Experion Support and Maintenance (ESM) to install the point release, install the point release from the ESM client. For more information, refer to the *Installation Builder User's guide*. If you are not using ESM to install the point release, go to step 2.
2. Browse to the folder containing the installer **Experion PKS R510.2 > 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 R510.2"**)
- 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.

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 R510.2 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 R510.2. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

Post-installation tasks

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

ATTENTION

This step must be performed on Server B.

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

ATTENTION

This step must be performed on Server B.

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

ATTENTION

Server A becomes primary.

7. Click **Synchronize** to synchronize the servers.

8. Turn on file replication of the mapping 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**.
9. Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
10. From Station or Control Builder, enable all the Checkpoint tasks.
11. 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.

4.6.3 Installing the SYCON.net

Not Applicable.

4.6.4 Installing IEC 60870

For installing IEC 60870, refer to *IEC 60870 SCADA Configuration Reference Guide*.

4.6.5 Installing the point release on Experion Application Server/ Console/Flex/T Nodes/Console Extension station/eServer/Premium Access clients

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

Pre-installation steps

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

ATTENTION

Ensure that you log on with the required privileges.

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

ATTENTION

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

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

ATTENTION

You must enable the services after completing the procedure.

5. Close all running applications.

Stopping the services

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

Perform the following steps to stop all services manually.

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

Installing the point release

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

2. Browse to the folder containing the installer **Experion PKS R510.2 > 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 R510.2")
- 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.

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 login 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 R510.2 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 R510.2. 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.

4.6.6 Installing the point release on ACE/ SCE/ EHG

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

Pre-installation steps

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

ATTENTION

Ensure that you log on with the required privileges.

2. Perform the following steps.

ATTENTION

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

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

Stopping the services

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

Perform the following steps to stop all services manually.

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

Installing the point release

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

2. Browse to the folder containing the installer **Experion PKS R510.2 > 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 R510.2"**)
- 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.

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 R510.2 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 R510.2. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

Post-installation tasks

1. Log on as a member of Windows Administrators and Product Administrators group.
2. From Station or Control Builder, enable all the Checkpoint tasks.
3. Load ACE node to monitoring side from Control Builder.
4. Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
5. 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 applicable only for eServer, Experion Application Server, and stations nodes. This step is not applicable for the other nodes like Flex and Premium Access clients.
6. 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.

Post Install Activities after all nodes have been upgraded

1. Ensure that the Primary and Backup Servers are running and Primary and Backup Server databases are synchronized.
2. On the Primary Server, log in using an account that is a member of the Experion Product Administrators.
3. Click **Start > Windows System > Command Prompt**, right-click and select **More > Run as administrator**.
4. Change directory to "<SoftwarePath>Honeywell\Experion PKS\Install\HSCPatchfiles" and run **PostInstall PAR1- 9T8276P.bat**.

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 EHPM configured and loaded in Control Builder
- The EHPM has the "EHPM 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**

4.6.7 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 R510.1 version, you must reinstall Experion PKS R510.2.

Follow the steps provided in the following respective sections to update the installed optional common component package version to Experion PKS R510.2

- [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

4.6.8 Migrating controllers

- [Updating the firmware](#)
- [Firmware revisions](#)

Updating the firmware

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

4.7 Uninstallation of the point release

ATTENTION

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

4.8 Uninstalling SYCON.net

Not Applicable.

MORE ABOUT THIS POINT RELEASE

This point release affects some specific functionality of Experion PKS and other products that integrate with Experion PKS. If any of the items below are used on your system this section highlights additional preparation required before you install this point release. If you do not use any of these features you will not be affected and you can disregard this section.

- DSA Alarm and Event Report
- Only when reporting from servers other than your local server
- DSA Advanced Security
- IEC60870 Interface
- Uniformance PHD and history tag synching
- Integration with other products
 - Profit Blending and Movement (PBM) or Blending and Movement Automation (BMA)
 - ACM
 - Only point server functionality on Experion Application Server is affected
- [Limitations](#)
- [Known issues](#)
- [Special considerations](#)
- [Change impact](#)
- [Firmware revisions](#)
- [DSA Alarm and Event Report](#)
- [Problems resolved in previous point release](#)

5.1 Limitations

5.1.1 Point release removal

ATTENTION

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

5.1.2 Localization

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

[<input checked="" type="checkbox"/>] Not limited	[<input type="checkbox"/>] Limited
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5.2 Known issues

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

ATTENTION

Experion 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.

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

5.2.1 Common components

Experion - TPS Infrastructure

PAR	Function	Description
1-4K5UHS7	Experion - TPS Infrastructure	<p>Description: Mode is not changing from group display in station for TPS faceplates in EST for Microsoft Windows 10.</p> <p>Recovery: None.</p> <p>Workaround: Deselecting Classic Faceplate selection for group display configuration, this is a common Configuration for all displays.</p>

Signon Manager

PAR	Function	Description
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 it is to only be used locally; if the PCUS is to be used remotely, then it is to only be used remotely. Setting up a PCUS to be used both locally and remotely is not currently supported.</p>
1-5X96F9U	Signon Manager	<p>Error Indication: New ACS card readers' functionality.</p> <p>Description: New ACS card readers do not function with MFA or Signon Manager.</p> <p>Recovery: Users will have to continue with existing card readers or use the Lumidigm fingerprint reader.</p> <p>Workaround: None. Users will have to continue with existing card readers or use the Lumidigm fingerprint reader.</p>
1-609TJ05	Signon Manager	<p>Error Indication: FPR icon getting disabled in the MFA UI.</p> <p>Description: If Windows logon is disabled through a domain policy update, the Fingerprint reader is disabled after it has been used to unlock a workstation.</p> <p>Recovery: Reboot required.</p> <p>Workaround: Reboot the workstation to re-enable the fingerprint reader.</p>
1-6VXTJ53	Signon Manager	<p>Error Indication: FPR icon disabled after connecting to the FPR database in non-Experion node.</p> <p>Description: FPR icon disabled after connecting to the FPR database in non-Experion node and restarting the Flex node.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

System Management

PAR	Function	Description
1-69ZB9N8	System Management	<p>Error Indication: Failed to restart SES and SPS after stopping from local and remote node.</p> <p>Description: Unable to start SES and SPS Components from System Management Display on local and remote node.</p> <p>Recovery: There are two options, 1. Restart the node where the SES and SPS are failed to start 2. From windows task manager kill the processes "spsdss.exe" and "sysevtvr.exe". Try starting the SES and SPS components from System Management Display.</p> <p>Workaround: None.</p>

PAR	Function	Description
1-MNAFT7	System Management	<p>Error Indication: Server data connection is lost.</p> <p>Description: Server lost data connection to System management by launching the L2.5 switch display from the station. Issue is caused by slow response from the switch.</p> <p>Recovery: Switch to another display to continue working, and retry the switch display later.</p> <p>Workaround: None.</p>

5.2.2 Controllers and Tools

C300 Controller

PAR	Function	Description
1-SJ4W66	C300 Controller	<p>Error Indication: C300 synchronization fails.</p> <p>Description: After loading a CM containing DO channels connected to DEVCTL blocks, synchronization breaks between C300s when the IOM containing the loaded DO channels does not exist.</p> <p>Recovery: The C300 Synchronization will restart automatically and complete successfully.</p> <p>Workaround: To prevent this situation, do not load a CM containing DO channels connected to DEVCTL blocks unless the IOM is present.</p>

Control Firewall

PAR	Function	Description
1-6HGGLK5	Control Firewall	<p>Error Indication: This is an enhancement. If approved, the modification will only be made to the new CF9 (HW Rev D).</p> <p>Description: Add PTP rate limit to CF9.</p> <p>Recovery: Reduce PTP traffic.</p> <p>Workaround: None.</p>

CDA-Embedded

PAR	Function	Description
1-AOS6VC9	CDA-Embedded	<p>Error Indication: Uncommanded Shutdown of ACE, Windows application event log shows RCOA WDT for ACE process at time of shutdown, and CDASP process is still running.</p> <p>Description: When there are not enough resources on the host computer for CDASP to process communication deterministically the ACE intentionally terminates to force peer strategies to shed instead of working with stale or uncertain values.</p> <p>Recovery: Restore checkpoint and activate strategies. Determine reason for computer resource issue. Typical are CPU over utilization because of under allocation or consumption by non-critical processes Also can be caused by virus scanner configuration or missing exclusions.</p> <p>Workaround: None.</p>

ControlEdge UOC-Platform- Virtual

PAR	Function	Description
1-9W77YI9	ControlEdge UOC-Platform-Virtual	<p>Error Indication: VirtualUOC-50ms with remote ControlEdge I/O may report loss of control on first-time VMWare FT switchover.</p> <p>Description: A VirtualUOC-50ms configured with VMWare Fault Tolerance (FT) protection and connected to one or more ControlEdge Expansion Processor Module (EPM) may raise an alarm indicating loss of control over I/O under the EPM on the first switch-over induced by a VMWare FT fault condition.</p> <p>Recovery: The VirtualUOC-50ms will recover automatically within 200ms.</p> <p>Workaround: Perform a "Fault Tolerance->Test Failover" of the VirtualUOC-50ms Virtual Machine (VM) in VMWare vCenter after it has been configured for VMWare FT protection and before it is running on control.</p>

Control Functions- Continuous

PAR	Function	Description
1-7HX0PMR	Control Functions-Continuous	<p>Error Indication: User cannot browse EPC block pins.</p> <p>Description: User can type the EPC block pin names, but the cannot browse them.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-8RG95W9	Control Functions-Continuous	<p>Error Indication: In PSOS process and non process parameter values are not getting updated.</p> <p>Recovery: Uninstall PSOS from "Control Panel\All Control Panel Items\Programs and Features" and then manually install PSOS.</p> <p>Workaround: None.</p>

Control Functions- Batch

PAR	Function	Description
1-3IJE1AV	Control Functions-Batch	<p>Error Indication: C200E platform may experience a CEE cycle overrun and cancel of Control Recipe (CR) execution in a base cycle.</p> <p>Description: The problem occurs on C200E platform when a base cycle is loaded with Master Recipes (MRs), Recipe Control Modules (RCM), Sequence and Control Module (SCM) and Control Modules (CMs). Then during execution of control application which may create many instances of CRs from an MR. CRs execute in the same base cycle as the MR. Processing load from SCMs, RCMs, CMs and CRs could overload a CEE base cycle resulting in cancel of CR executions and may even lead to a CEE Cycle OverrunCancelled CR execution resumes in subsequent base cycle based on Period and Phase configuration of MR.</p> <p>Recovery: Following steps may be required:- Better load balancing of MRs- Dedicate base cycles only for MR.</p> <p>Workaround: None.</p>

PAR	Function	Description
1-5P545LL	Control Functions - Batch	<p>Error Indication: Class based recipes over multiple C300's with indirect addressing fails the execution of the steps and transition.</p> <p>Description: Expressions using Indirect Referencing over peer C300s does not work and hence results in failure of Step/Transition execution.</p> <p>Recovery: None.</p> <p>Workaround: Reconfigure the strategies to be within the same controller.</p>
1-9XID3Q9	Control Functions - Batch	<p>Error Indication: Activity creation fails with error "CEE Unable to store new Activity".</p> <p>Description: When a user or Application attempts to create an Activity, Activity creation fails with error "CEE Unable to store new Activity".</p> <p>Recovery: Ensure no server wide event regeneration and CDA disconnects during Activity creation.</p> <p>Workaround: For MES applications, implement retry mechanism to create activities after a timeout with Experion Batch API. For user created activity operations, ensure no event regenerations on the server while creating activities on a controller; Retry Activity creation.</p>

Control Builder

PAR	Function	Description
1-3S1VMJ7	Control Builder	<p>Description: Control builder fails while trying to create MAP block.</p> <p>Recovery: Reopen control builder. Clear the lock on the created MAP block if there is any.</p> <p>Workaround: None.</p>
1-8R3YZTF	Control Builder	<p>Error Indication: After Automated Device Commissioning Rename, there will be an error message on the channel indicating that the device rename was not successful, and to use a handheld device for renaming the device.</p> <p>Description: This issue is seen for few devices and occasionally. All the layers in Automated Device Commissioning rename flow are successful, and the device acknowledges that it could write the new name given to it. But the read api, still returns the old device name.</p> <p>Recovery: Use a handheld device in such cases.</p> <p>Workaround: Use a handheld device or replace the device in that position.</p>

PAR	Function	Description
1-9PMMA5N	Control Builder	<p>Error Indication: QVCS Revert Operation of a Block reverts/modifies dependent block but the version number of the dependent block doesn't get changed.</p> <p>Description: 1. Assign a Channel/IOPOINT to an IOModule say IOM1 and check in the IOM1 (Version 1) and create one more IOModule IOM2 and check in the IOM2 (Version 1).</p> <p>2. Now checkout both IOMs IOM1 and IOM2 and move the Channel/IOPOINT from IOM1 to IOM2 and check in both the IOM1 (Version 2) and IOM2 (Version 2).</p> <p>3. Now perform Revert operation on IOM1; Now IOPOINT/Channel moved from IOM2 to IOM1 and the version of IOM1 changed to Version 1. So IOM2 also reverted to Version 1 state but the version number of IOM2 doesn't get changed. It is still in Version 2 which is not correct.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-A4C83G3	Control Builder	<p>Error Indication: Control Builder becomes non-responsive when selecting a container on Monitoring Containment TreeView.</p> <p>Description: While selecting the container, the logic iterates through all the child blocks from container CM to enable/disable operations applicable for the selected item in monitoring side. When the selected CM contains more CMs, it iterates for all level of children to fetch children states for validation, that leads to Control Builder not responding.</p> <p>Recovery: None.</p> <p>Workaround: As a workaround, select Root in Containment View and click only plus (+) sign to expand the container.</p>

Control Builder-Configuration Form

PAR	Function	Description
1-4SZ9242	Control Builder-Configuration Form	<p>Error Indication: This error is seen upon executing the below mentioned steps.</p> <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 onpulse or offpulse or PWM block pin to DOREF block and keep DO type as a "Status". 5. Click OK. <p>Description: No validation error prompted for onpulse, offpulse and PWM when DOTYPE=Status and DOREF blocks used. Also Reproducible with UIO-1 and Series C DO module.</p> <p>Recovery: Change the parameter value and try again.</p> <p>Workaround: None.</p>

PAR	Function	Description
1-6ASKHK5	Control Builder-Configuration Form	<p>Error Indication: The user will not be able to navigate to other tabs from the DO Status Tab of a DO module in Monitoring side of Control Builder or Station.</p> <p>Description: The issue occurs only with the below configuration. 1. A NOT block output pin is connected the Input pin of the same NOT block. 2. The NOT block output pin is connected to the SO pin of 16 or more DO channels (belonging to the same DO module) using parameter connector. This configuration has to be loaded and when the user is navigating to the DO Status tab of the DO module in Monitoring side, he/she will not be able to navigate to other tabs.</p> <p>Recovery: The Control Builder or Station has to be manually terminated and launched again.</p> <p>Workaround: None.</p>
1-4V5Q9HJ	Control Builder-Configuration Form	<p>Error Indication: 1. Loaded C300 and loaded the strategies belongs to C300. 2. Activated all the strategies in monitoring side. To test RRR set the CEE STATE option in C300 CEE as WARMSTART. Then for all the CMs started setting the CEERESTART option as "followCEE". It was observed that we are able to set it for few CMs(6-8 CMs) but when we set for 9/10th CM CB fails. This is seen every time when we run this test.</p> <p>Description: Control Builder fails when CEERESTART is set in the CMs.</p> <p>Recovery: Close CB and reopen again.</p> <p>Workaround: None.</p>
1-50QTM84	Control Builder-Configuration Form	<p>Error Indication: There is no specific steps to arrive at this issue.</p> <p>Description: Database query execution error dialog box is shown in few scenarios occasionally.</p> <p>Recovery: Retry the operation. If the problem still exists, please close control builder and try again.</p> <p>Workaround: None.</p>

Control Builder- Chart

PAR	Function	Description
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 not 100% of the time.</p>

Control Builder-Load

PAR	Function	Description
1-8BX52X9	Control Builder-Load	<p>Error Indication: There is no error prompted to user on loading the UOC Controller if there are more number of activities configured in it on a heavily loaded system. But the TOTAL NUMBER OF ACTIVITIES parameter on Configuration form of CEE shows mismatch in number from project to monitoring.</p> <p>Description: This issue is not reproducible on demand and can be seen on a heavily loaded system with only UOC Controller. When this issue occurs this can be verified in the Control Builder error log by seeing some join nested transaction error.</p> <p>Recovery: Perform a Load While active operation on the CEE to load the activities completely and rectify the mismatch in Total Number of activities number.</p> <p>Workaround: None.</p>
1-8HFAR5J	Control Builder-Load	<p>Error Indication: No error is displayed but broken connections can occur in the CM either receiving incorrect signals or not receiving signals from the corresponding function block.</p> <p>Description: Broken connection issues can occur in 2 scenarios: Scenario1: Export of CM followed by Block deletion, import back and reload only the source CM. Scenario2: Block deletion followed by adding new block and reloading only source CM.</p> <p>Recovery: User can recover from the issue by downloading all the referenced control modules (SCMs and RCMs) which have connections to the modified control module.</p> <p>Workaround: Whenever you perform any of the specified operations in 2 scenarios listed in description, you have to load the modified CM along with all the referenced CM/SCMs along with it to avoid any broken connection issue. FINDTAGSTOLOAD.exe tool can be used after performing engineering operations like import, export, change parent, deletion of blocks, and so on to know the list of CMs that needs to be loaded to avoid broken connection issue.</p>

Control Builder-Load/Upload/Update

PAR	Function	Description
1-4KSJ8TD	Control Builder-Load/Upload/Update	<p>Error Indication: Control builder tree view shows incorrect CM Name against the channel in Monitoring side even though CM is not loaded.</p> <p>Description: When CM and channels are loaded together, if CM load fails due to some reason, then IO channels which got loaded successfully to monitoring side show the CM name in the tree view and in the form which they were associated to. But since CM's are not loaded successfully it should not display the CMname against the Channels.</p> <p>Recovery: Reload the CM which had failed earlier.</p> <p>Workaround: None.</p>

PAR	Function	Description
1-68IJAB	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 AI, AO, DI, DO reference blocks configured with corresponding channels.</p> <p>Recovery: Perform UploadUpdate operation on the IO module itself such that monitoring side changes gets updated to Project side.</p> <p>Workaround: To prevent from this situation, use Upload/Update on IOM.</p>
1-69Q1RV1	Control Builder-Load/Upload/Update	<p>Error Indication: System allows to change the duty cycle for DO channel when REDTAG is enabled.</p> <p>Description: In monitoring view, when REDTAG is enabled, on reload of such channel and error/warning should be thrown to the user that REDTAG is enabled and should allow the user to continue with channel load.</p> <p>Recovery: None.</p> <p>Workaround: User to confirm that channels are not in REDTAG before performing Load.</p>
1-6L3M1PS	Control Builder-Load/Upload/Update	<p>Error Indication: When Upload Update operation is performed on SCM's which has JUMPZone Configured then error is thrown to user saying "Illegal Parameter Index JumpZone (1,11) and upload and update operation fails for that SCM.</p> <p>Description: Upload and Update operations fails for SCM configured with JumpZone when done in Interoperable scenarios, that is, when server is in R500 and Controller is in Previous releases.</p> <p>Recovery: None.</p> <p>Workaround: Avoid doing Upload Update for such SCM's which has JumpZone configured.</p>
1-72WCYRR	Control Builder-Load/Upload/Update	<p>Error Indication: There will not be any error thrown to user but Primary PID block will continue its execution even though Secondary output reference block is deleted.</p> <p>Description: When Primary PID block is in one CM and is writing to Output reference block in another CM, Deletion of the CM with output reference block from monitoring side should stop PID block execution and PID should show BADCTL and InitMAN should be ON. But PID in primary CM continues to execute.</p> <p>Recovery: Either delete the AO channel from monitoring side and reload again.</p> <p>Workaround: None.</p>

PAR	Function	Description
1-8QNT3MZ	Control Builder-Load/Upload/Update	<p>Error Indication: Load While Active symbol does not appear on IO module but appears only on the modified channel or Delta symbol appears on the IO module rather than LWA symbol.</p> <p>Description: When any Load while active parameter of a channel is modified on UIO modules, LWA symbol should appear on channel and also on its parent IO module. But LWA symbol is appearing only on the channel but not on the IO module. Due to this , Users will not be able to perform LWA operation on the IO module without inactivating the channels.</p> <p>Recovery: Perform Load operation on either the modified channel or on the IOM to get the modified changes reflected from project to monitoring. Note that this will inactivate the channels and activate them again.</p> <p>Workaround: None.</p>

Control Builder-Point Picker

PAR	Function	Description
1-A82YJPN	Control Builder-Point Picker	<p>Error Indication: ML PLC Channel fails to communicate with ML Server.</p> <p>Description: ML PLC is not communicating in Experion R510.</p> <p>Recovery: None.</p> <p>Workaround: Remove the blank space for mngr password.</p>

CEE-Database

PAR	Function	Description
1-SMAA33	CEE-Database	<p>Error Indication: CHECKBOOL.IN[1] parameter does not take input when written through OPC gateway.</p> <p>Description: This error occurs when flag block's input in ACE is connected to a source like flag in C300 controller using OPC gateway.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-VPKU61	CEE-Database	<p>Error Indication: DP_NUMBER parameter is not visible on monitoring side of ISO_5167_DUAL block.</p> <p>Description: DP_NUMBER parameter is not visible on monitoring side of ISO_5167_DUAL block. There is no harm to control. Internally DP_NUMBER parameter takes intended value.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

Control Builder - Automated Device Commissioning

PAR	Function	Description
1-6CQRXN9	Control Builder - Automated Device Commissioning	<p>Error Indication: Open Project Engineering Tool and perform bulk reassignment in Automated Device Commissioning flow.</p> <p>Description: When bulk reassignment is done through Project Engineering Tool Automated Device Commissioning tool, occasionally an extra channel has been seen in the project tree.</p> <p>Recovery: Unselect the extra channel from Automated Device Commissioning UI and continue with the operations.</p> <p>Workaround: None.</p>
1-8R3OZRR	Control Builder - Automated Device Commissioning	<p>Error Indication: During Automated Device Commissioning workflow, the Configure Device step fails with the <Error>.</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/OPC 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: The Automated Device Commissioning workflow needs to be done when there is no HART Point Parameter Access functionality is in usage in an Experion cluster.</p>
1-9T3EBSR	Control Builder - Automated Device Commissioning	<p>Error indication: Device Rename failed for E+H_Cerabar S.</p> <p>Recovery: None.</p> <p>Workaround: Use handheld device or FDM application to rename the device.</p>

CTools

PAR	Function	Description
1-AFYVAEH	CTools	<p>Error Indication: In CTools, controllers are listed in red color instead of blue color.</p> <p>Description: After server migration from R500 to R510, controllers are listed in red color in CTools.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

Control Library

PAR	Function	Description
1-6SDDS6R	Control Library	<p>Error Indication: Database query execution error on saving EIP 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. The occurs due to update query which send the duplicate ParamID for updating the parameter.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

Configuration Studio

PAR	Function	Description
1-8NC55WO	Configuration Studio	<p>Error Indication: Quick Builder project migration wizard indicates project migration failure.</p> <p>Description: As part of post installation tasks, migration of Quick Builder database fails with an error message. If a QBDB database is locked for maintenance and the system is updated, the QBDB cannot be migrated.</p> <p>Recovery:</p> <ul style="list-style-type: none"> • Open SQL Server Management Studio. • Right click on QBDB database and open properties. • Select "Extended Properties" from the left pane in the property window. • Change the "MaintenanceLocked" property to 0 . <p>Recommendation /</p> <p>Workaround: Quick Builder migration / restoring of data base should be done by a Product Administrator.</p>

PAR	Function	Description
1-A29OLAP	IEC870 Interface	<p>Error Indication: After Experion server restart or failover, user will experience below issues:</p> <ol style="list-style-type: none"> 1. IEC870 data will not be seen 2. The IEC870 system interface status tab shows "Disconnected" <p>Description: "IEC60870 Point Server" Service does not start automatically after Experion server restart or failover.</p> <p>Recovery: In Experion Server, start the service manually.</p> <p>Workaround: Follow the steps below to set automatic delayed start of the service:</p> <ol style="list-style-type: none"> 1. Open Windows Service Control Manager. 2. Select Properties of "Experion PKS IEC60870 Point Server" service. 3. Change the Start Type to "Automatic (Delay Start)". 4. From an elevated command prompt invoke "regedit". 5. Browse to "HKLM\SYSTEM\CurrentControlSet\services\IEC60870PS". 6. Right click the registry key and add new key AutoStartDelay of type DWORD (32-bit). 7. Set the value to decimal 180. <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;"> <p>NOTE During failover there will be loss of data for 180 seconds.</p> </div>

Experion Batch- Controller

PAR	Function	Description
1-3QM82LT	EBM-Controller	<p>Error Indication: A step block displays an error of 2447 when trying to set a unit.</p> <p>Description: You are unable to select a unit.</p> <p>Recovery: Abort the strategy.</p> <p>Workaround: None.</p>
1-9BWUDZ1	EBM-Controller	<p>Error Indication: C300 controller fails when SCMs are commanded to run, with specific configurations.</p> <p>Description: Controller fail is caused by the self-referencing GateOutputs in a Transition, or referencing the other Gate output in parallel transitions.</p> <p>Recovery: None.</p> <p>Workaround: None It is advisable to run the ECC to ensure that there are no strategies with this configuration. If the ECC flags such configurations, the user is expected to reconfigure the expression to not use the Gate output from the same Transition, or another parallel Transition and vice versa.</p>

PAR	Function	Description
1-9RADCV9	EBM-Controller	<p>Error Indication: Procedural elements in abnormal states (for example, “Holding”) may not show lower level procedures in the Procedure Explorer tree.</p> <p>Description: The Procedure Explorer tree shows the procedural elements/equipment associated with active phase blocks in the batch’s topology. Experion abnormal handlers cannot contain phase blocks and so lower level procedural elements will never be shown in the tree below procedural elements in abnormal states. Equipment will still be acquired by those procedural elements, but that equipment will not be visible in the Procedure Explorer tree.</p> <p>Recovery: 1. In the Procedure Explorer, switch to the main handler and navigate to the lower level procedural elements from the phase blocks.</p> <p>2. Use the detail display chart tab to navigate to lower level procedural elements.</p> <p>3. Use the detail display table view tab to navigate to lower level procedural elements.</p> <p>Workaround: There is currently no way to prevent this problem. This will happen whenever a procedure enters an abnormal state. You can use equipname to manual navigate to procedural element via detail display.</p>
1-A29JSOI	EBM-Controller	<p>Error Indication: An activity point that is associated with a lower layer recipe (Unit Procedure, Unit Operation or Phase) is not accessible via displays (Unit Timeline, Procedure Explorer, Detail Display, and Table View).</p> <p>Description: When a batch is not currently progressing (example: due to pending interactive instructions, transition waiting to be satisfied, etc), the following operation could trigger the problem on different node type. •After a redundant server fail over or switch over, the new primary server node will observe the problem. •After a non-redundant server reboot, the non-redundant server node will observe the problem •After a console station reboot, the same console node will observe the problem. •After a console station newly added to the system, the same console node will observe the problem.</p> <p>Recovery: Go to “Configure”->”Alarm & Event Management”->”Alarms”->”Alarm Processing” to uncheck “Enable alarms server-wide” then check “Enable alarms server-wide”.</p> <p>Workaround: Use a console station to continue access the displays if the server is down. Use server to continue access the displays if the console stations is down.</p>

Experion Batch-Tools

PAR	Function	Description
1-VIAD8V	EBM-Tools	<p>Error Indication: The number of activities shown in CEE statistics Tab is different from the number of activities shown in Batch tab of CEE.</p> <p>Description: The NUMACT value as seen in the Batch Tab of the CEE shows a mismatch with the CEE-Activity Statistics -TOTALACTCAP.</p> <p>Recovery: Reload the ACE node in server.</p> <p>Workaround: Same as Recovery.</p>

PAR	Function	Description
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>Recovery: None.</p> <p>Workaround: 1. Export the phase block.</p> <p>2. Rename the Exported .def.xml file with the phase block name(blockname.def.xml file)</p> <p>3. Import with overwrite.</p>

EtherNet/IP-COMMUNICATION

PAR	Function	Description
1-6CROGAL	EtherNet/IP-COMMUNICATION	<p>Issue: C300v3 configured with EtherNet/IP IO's and/or EtherNet/IP Tag requests, through EIM. Sometimes, a simultaneous switchover of both C300v3 and EIM can cause disconnect and reconnect of all EtherNet/IP IO's and tags.</p> <p>Recovery: Issue recovers automatically.</p> <p>Workaround: None.</p>
1-81VFC5T	EtherNet/IP-COMMUNICATION	<p>Error Indication: EtherNet/IP armor point IO devices disconnects momentarily on UOC switchover.</p> <p>Description: On a UOC Switchover, the Armor Point IOs loaded to the UOC may get disconnected momentarily. The error is observed in the Station in form of a transient Communication Error Diagnostic Alarm.</p> <p>Recovery: The IO modules connect back automatically after a brief period.</p> <p>Workaround: Enable Consolidate Connections option when working with Armor Point IOs.</p>
1-9V8OCW5	EtherNet/IP-COMMUNICATION	<p>Error Indication: [UOC] Reloading CMs after reaching CLX spec is returning error and failing load.</p> <p>Description: On a Controller loaded with maximum capacity of ControlLogix UDT/Scalar types, reloading a CM containing UDT/Scalar blocks may report error 2474</p> <p>Recovery: None.</p> <p>Workaround: For the control module that needs to be reloaded, delete it from the Monitoring side and load from project.</p>

PAR	Function	Description
1-6FECFGO	EtherNet/IP-COMMUNICATION	<p>Error Indication: EIM fails to establish the communication with EIP devices after automatic sync and switchover with the degraded primary.</p> <p>Description: EIM fails to establish the communication with EIP devices after automatic sync and switchover with the degraded primary (i.e. One that does not have connection established with any loaded EIP device). It is applicable for a scenario where all the IO's under an EIM are already in a disconnected state and the secondary is in being rebooted. When the secondary comes up and synchronizes with the primary, it takes up the primary role but is not able to establish communication with the EIP devices.</p> <p>Recovery: Reload the EIP devices.</p> <p>Workaround: None.</p>
1-6XQEZHR	EtherNet/IP-COMMUNICATION	<p>Error Indication: PDT connection may get disconnected between C300 and EIM.</p> <p>Description: After reloading of EIP devices connected through EIM the PDT connection between C300 and EIM may get disconnected.</p> <p>Recovery: Perform C300 switchover when PDT connection gets disconnected. Connection will be reestablished after switchover of C300 is complete.</p> <p>Workaround: None.</p>
1-7KMG36R	EtherNet/IP-COMMUNICATION	<p>Error Indication: ControlLogix Tag read fails in C300 EIM topology on reloading CM containing the tag if the Control Module is the only one that contains ControlLogix tag.</p> <p>Description: ControlLogix Tag read fails in C300 EIM topology on reloading CM containing the tag if the Control Module is the only one that contains ControlLogix tag.</p> <p>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 EIM switchover (when used with EIM 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>

ELCN

PAR	Function	Description
RELCN-2497	ELCN	Description: ELCN Timesync needs to be robustness improvement. Workaround: None.
RELCN-2391	ELCN	Error indication: The coaxial EST crash occasionally in LCN network after Failing over of ELCN Bridge in a hybrid LCN-ELCN Network. Description: Coaxial EST fails during ELCN Bridge Failover in R510.2. Recovery: The crashed EST should be reloaded from TPN. Workaround: None.
RELCN-2434	ELCN	Description: ESTs and ESVTs crash observed after clock source change. Workaround: None.
RELCN-2360	ELCN	Error indication: After stopping all common components / TPS services on Primary ESVT, Backup ELCN ENIM may crash. Description: Backup UEA ENIM when all common components / TPS services were stopped on ESVT minutes before crash. Recovery: The crashed ENIM should be reloaded from TPN. Workaround: None.
RELCN-2402	ELCN	Error indication: LCN/ELCN nodes occasionally going to ISOL or FAIL state in LCN network, when there is a random / very frequent time changes in the LCN. Description: ELCN ENIM Failed during FTE cable removal on ESVT/LCN Clock master handling scenarios. Recovery: The crashed LCN/ELCN node should be loaded from TPN. Workaround: None.

EUCN/EHPM

PAR	Function	Description
1-AWB33GV	EHPM_ Control	Error indication: Operator faceplate of CDA licensed ,EHPM points launched from Station display, is slow to read any parameter after performing a write. Hence any write is not allowed during this period. Description: eHPM slow to read after write from Operator Faceplates. Recovery: Operator needs to wait for 2-3 sec to read the latest value after performing a write from faceplate. Workaround: None.

ELCN System Management

PAR	Function	Description
RELCNTN-623	ELCN System Management	<p>Description: 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.</p> <p>Workaround: The Device Checkpoint parameter information can be found and manipulated from the UCN faceplate.</p>
RELCNTN-626	ELCN System Management	<p>Description: On the Experion System Management Dashboard, the NIM faceplate shows FTE Status as FAIL.</p> <p>Workaround: Use the Native Window's UCN Status display (FTE Cable Status field) or FTE status schematics (\$FTESTSx) to check the FTE status.</p>
RELCNTN-638	ELCN System Management	<p>Description: On the Experion System Management Dashboard, when selecting the composite menu and navigating to the UCN dashboard, every second attempt causes the ELCN Server to crash. The ELCN Server will restart automatically, in the meantime, the dashboard shapes may show UNKNOWN for few seconds.</p> <p>Workaround: Navigate to the UCN dashboard via the drop-down menu located at the top left corner of dashboard pane.</p>

EtherNet/IP Tools

PAR	Function	Description
1-818YTYU	EtherNet/IP Tools	<p>Error Indication: During the import of any EDS file, errors may get reported for the enumeration definitions that contain negative ordinals. In some scenarios the import may succeed. In such cases, the other engineering operations like configuration of 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>

IO-PMIO

PAR	Function	Description
1-3GA9600	IO/-PMIO	<p>Error Indication: All channels that should be POWERED and are UNPOWERED report OUTPUTFL soft failures and none of them report DOVRCRNT soft failure.</p> <p>Description: Upon return of lost field power, outputs will be POWERED immediately if they were POWERED when field power was lost.</p> <p>Recovery: After field power is lost and before it is returned set all channels to MAN mode and the SO to UNPOWERED.</p> <p>Workaround: 1. If implementation includes intentional removal of field power, choose an alternative one.</p> <p>2. If field power will be removed intentionally, set all channels to UNPOWERED prior to doing so.</p>

IEC870 Interface

PAR	Function	Description
1-A29OLAP	IEC870 Interface	<p>Error Indication: After Experion server restart or failover, user will experience below issues:</p> <ol style="list-style-type: none"> 1. IEC870 data will not be seen 2. The IEC870 system interface status tab shows "Disconnected" <p>Description: "IEC60870 Point Server" Service does not start automatically after Experion server restart or failover.</p> <p>Recovery: In Experion Server, start the service manually.</p> <p>Workaround: Follow the steps below to set automatic delayed start of the service:</p> <ol style="list-style-type: none"> 1. Open Windows Service Control Manager. 2. Select Properties of "Experion PKS IEC60870 Point Server" service. 3. Change the Start Type to "Automatic (Delay Start)". 4. From an elevated command prompt invoke "regedit". 5. Browse to "HKLM\SYSTEM\CurrentControlSet\services\IEC60870PS". 6. Right click the registry key and add new key AutoStartDelay of type DWORD (32-bit). 7. Set the value to decimal 180. <p>NOTE During failover there will be loss of data for 180 seconds.</p>

IXP - Import Export

PAR	Function	Description
1-28C3M4F	IXP - Import Export	<p>Error Indication: After DD import (FF\wireless) QVCS checked in strategies are Editable.</p> <p>Description: Checked in Control modules (having reference to FF blocks) become editable after performing dd import of the same ff device.</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>

I/O-Series C

PAR	Function	Description
1-3I90BL7	I/O-Series C	<p>Error Indication: HART communication errors continuously accumulate.</p> <p>Description: AI-HART Analog Input module cannot communicate properly with a WIKA T32 transmitter.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

Modbus TCP Blocks

PAR	Function	Description
1-9L7N7TP	Modbus TCP Blocks	<p>Error Indication: Slave disconnect alarm reported from PCDI master sporadically even though slave is healthy.</p> <p>Description: Slave disconnected alarm is reported sporadically on stable run of PCDI master blocks even if slave is healthy or there is no physical disconnection. This happens when a request gets timed out even though slave has responded to request.</p> <p>Recovery: System recovers automatically from the error without any intervention. PCDI master reconnects to slave after connection fail and continues communication.</p> <p>Workaround: 1. Have maximum of 250 messages/sec for Modbus tcp.</p> <p>2. Configure REQRTY parameter in "Slave Configuration" tab for PCDI master block to value.</p> <p>3. REQRTY parameter specifies number of retries master block will do before dropping the connection if a request gets timed out. Default value is 1 and max value is 10. The recommended value of 3 is based on testing done with a configured message rate of 250 messages / sec. However, a greater value could also be tried if application demands or to work around the issue, if it persists.</p>

PGM Hilscher Sycon .NET

PAR	Function	Description
1-9IVERK7	PGM Hilscher Sycon .NET	<p>Error Indication: In the Slave DTM which is viewed from sycon, "ProcessImageMonitor" tab appears.</p> <p>Description: This page doesn't harm the user except it doesn't have any useful information in it.</p> <p>Recovery: Ignore this tab and its content.</p> <p>Workaround: None.</p>

Procedure Explorer

PAR	Function	Description
1-9AYK3OB	Procedure Explorer	<p>Error Indication: In the Procedure Explorer Chart the pinch and zoom touch gesture does not work.</p> <p>Description: This error can occur on certain types of touch panel hardware.</p> <p>Recovery: The operator can use the "+" or "-" buttons at the top right of the Chart to zoom in or out. Also the operator can hold the Ctrl-key and use the mouse wheel to zoom in or out of the Chart area.</p> <p>Workaround: The operator can use the "+" or "-" buttons at the top right of the Chart to zoom in or out. Also the operator can hold the Ctrl-key and use the mouse wheel to zoom in or out of the Chart area.</p>

Reference Block- Tools

PAR	Function	Description
1-9VJGDZX	Reference Block-Tools	<p>Error Indication: After importing CM containing RefBlock with option Import (with overwrite) and Rename. All the IO point block existing in IOM will become SPARE and all the io point block configurations moved to newly imported IOM.</p> <p>Description: The Import with rename functionality is not working.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

Standard Series C- I/O Module

PAR	Function	Description
1-8ZCFE19	Standard Series C- I/O Module	<p>Error Indication: LLA1 module channels value goes to NaN during stable run when it connected over FOE.</p> <p>Description: LLA1 module channels value goes to NaN during stable run when it connected over FOE.</p> <p>Recovery: Limit fiber optical cable length to less than 7.5 KM when LLA1 module used as remote IOM via FOE.</p> <p>Workaround: None.</p>

System Repository

PAR	Function	Description
1-5TLOATN	System Repository	<p>Error Indication: Machine IP and Port number are displayed in the error log.</p> <p>Description: Machine IP and Port number are displayed in the error log.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

HART Point Parameter Access

PAR	Function	Description
1-8NPLXTR	HART Point Parameter Access	<p>Error Indication: The client request for HART data will fail and the status will be shown corresponding to the application. For example, when HART data Status is BAD, on displays, it will show reverse video, on trends, it will display "?????".History will show some gaps for that period. OPC clients will show status as BAD with an empty value.</p> <p>Description: HART Point Parameter Access is subjected to slower performance when compared to Point parameter access using CDA mechanism. Experion OPC Server has connection timeout defined as 1 minute for its clients for any demand read request. If a read request is not completed within one minute, read request will time-out and fail. OPC Clients would not get data in such cases. This limitation of Experion Server has an impact on clients accessing HART data (using DD parameters) using Demand Reads.</p> <p>Recovery: None.</p> <p>Workaround: To avoid any application connection timeout issues, it is strongly recommended for demand read clients to access only 10 hart devices data at a time. For each device users can configure up to 10 parameters for access. Simultaneous access of more number of HART devices using demand read can cause an Application Connection time-out.</p>

System Repository

PAR	Function	Description
1-B07M50V	UOC	<p>Description:Clicking on Load Firmware option for UOC loads old firmware file in R510.2.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-AEQYO3	CEP-Network-FTE	<p>Error Indication: UOC momentary loss of CDA peer communication with a single FTE cable fault.</p> <p>Description:A UOC with heavy peer load can experience a momentary loss of peer communication if there is an extended FTE single cable fault.</p> <p>Recovery: The communication loss is momentary and will recover on its own.</p> <p>Workaround: The communication loss is momentary and will recover on its own.</p>

PAR	Function	Description
1- AWHYFQ7	CEP- Network- FTE	Description: UOC reports Inter-Lan Fail alarm continuously on shutting down Yellow switch. Recovery: None. Workaround: None.
1- AYXSGDB	CEP- Network- FTE	Description: On green switch power off, fetch and push between vUOC and UOC failed (vice versa) and RTNed. Recovery: None. Workaround: None.
1- AYYRYQK	CEP- Network- FTE	Description: Permanent fetch failure of few elements in same CM observed b/n vUOC and UOC on greenswitch off. Recovery: None. Workaround: None.
1- AYYRYNT	CEP- Network- FTE	Description: Peer connection is initialized permanently between UOC and vUOC on green switches power off. Recovery: None. Workaround: None.
1- ATMK5R3	CEP- Network- FTE	Description: FTE reports "UOC interface A status is SILENT" multiple times on yellow switches powered off. Recovery: None. Workaround: None.
1- ATLRYBJ	CEP- Network- FTE	Description: UOC Controllers reported console connection failed/timeouts and RTN when powering off all yell. Recovery: None. Workaround: None.
1- AT1QRPN	CEP- Network- FTE	Description: UOC Controllers reported console connection failed/timeouts and RTN when powering off all yell. Recovery: None. Workaround: None.
1- AFEISVR	CEP- Network- FTE	Description: vUOC-50/500, C300 P2P Connection gets Initialized with UOC & vice-versa on Y-Switch Power-Off. Recovery: None. Workaround: None.
1- AWZACOU	CEP- Network- FTE	Description: P2P Fetch Fails between C300 and vUOC on Yellow Network Power Failure. Recovery: None. Workaround: None.

5.2.3 Installation and Migration

Fieldbus Interface Module

PAR	Function	Description
1-4668IVX	Fieldbus Interface Module	<p>Error Indication: FF device/block load may return "Invalid NMA CRL" error.</p> <p>Description: "Invalid NMA CRL", VCR load fail error when attempting to load FF devices or CMs.</p> <p>Recovery: FIM switchover or link inactive and active.</p> <p>Workaround: None.</p>
1-9X4QTK5	Fieldbus Interface Module	<p>Error Indication: FF block may show Err3300 and blocks may appear in red.</p> <p>Description: Due to continuous ADM DTM request on fully loaded FIM FFLINK memory buffer get full.n.</p> <p>Recovery: FIM reboot.</p> <p>Workaround: Avoid or minimize MTL ADM, F809Plus device DTM scanning from FDM.</p>

INS- Experion Installer

PAR	Function	Description
1-A3CN6J3	INS-Experion Installer	<p>Error Indication: During migration in without OS-reinstall scenario, after completing the Experion uninstall step, following error may occur Failed to find the help file - EPKS_Product_install.chm.</p> <p>Recovery: Refer to workaround.</p> <p>Workaround: 1. Acknowledge the error.</p> <p>2. Open Registry editor (Start menu-> Run-> Regedit.exe).</p> <p>3. Browse to the following registry path - HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Honeywell\TPS50\InstallInfo.</p> <p>4. Create a new string [SEQSTATE] and update the value as Rebooting.</p> <p>5. Resume the migration by running setup.exe.</p>
1-AFYU6	INS-Experion Installer	<p>Error Indication: While migrating from LXR500 to LXR510 in Server B, migration failed due to an error "Failed to Install Update"</p> <p>Recovery: Refer to workaround.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Acknowledge the error. 2. Reboot the machine. 3. Login with HPSInstall. 4. Installer sequencer will start automatically and migration will succeed without any error.

Profibus Interface Module

PAR	Function	Description
1-1275R3B	Profibus Interface Module	<p>Error Indication: Upon removal and re-insertion of Profibus cable from both primary and the secondary PGM, output channels become bad in TURCK and Siemens ET200M DSB.</p> <p>Description: When profibus cable is removed from primary PGM, switchover is initiated and when the profibus cable is again removed from the new primary also all the outputs will go bad and is expected. But when the cable is reconnected on both the PGM's, output channels will remain bad and will not recover.</p> <p>Recovery: Perform PGM Switchover, all the output channels will become good.</p> <p>Workaround: None.</p>
1-9SI1K4B	Profibus Interface Module	<p>Description: DPV1 data disconnect (freeze) observed during stable running condition.</p> <p>Recovery: None.</p> <p>Workaround: Delete the HART channel block and PBHIOMB block and reload it.</p>
1-479NUAX	Profibus Interface Module	<p>Error Indication: ET200M DSB slave state changes to configured state after PGM RRR.</p> <p>Description: After PGM RRR Siemens ET200M DSB does not communicate.</p> <p>Recovery: Reload the ET200M DSB from project.</p> <p>Workaround: None.</p>
1-9C7BJBH	Profibus Interface Module	<p>Error Indication: PGM link will appear in red and profibus communication will stop.</p> <p>Description: PGM modules lost the communication with link1 & Link2 during runtime cause LOC/LOV.</p> <p>Recovery: Reboot the PGM.</p> <p>Workaround: None.</p>
1-A59ZM2D	Profibus Interface Module	<p>Error Indication: When DPV1SLOTNUM is configured beyond 64, Limit or Range Exceeded error will be thrown.</p> <p>Description: Though the valid range is up to 255, this limitation is a hinderance to access records beyond 64.</p> <p>Recovery: None. User will not be able to access DPV1 records beyond slotnumber 64.</p> <p>Workaround: None.</p>

Rockwell Network

PAR	Function	Description
1-11H1RD1	Rockwell Network	<p>Error Indication: RsLinx does not show the Series A IO/SIM Card with Module Icon.</p> <p>Description: RsLinx application does not show the Series A IO/SIM Card with Module Icon.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

Scenario- Based EMUG

PAR	Function	Description
1-9990QN5	Scenario- Based EMUG	<p>Error Indication: CTools fails to open from base release server A when server B is in migrated state.</p> <p>Description: CTools fails to open from base release server A when server B is in migrated state.</p> <p>Recovery: None.</p> <p>Workaround: Open CTools from Server B (latest release).</p>

Third Party Components

PAR	Function	Description
1-11KCT39	Third Party Components	<p>Error Indication: Profibus IO module appears RED on Monitoring with the PFB Communication Status shown as ""PfbOffline and DEVSTATUS parameter of these blocks shows 'PfbNotInRun'.</p> <p>Description: PBL_DEVICE blocks go offline and appear in red in monitoring side after load of many remote-chassis I/O including SST block at the same time. This was also seen when chassis IO modules are loaded in a particular order like Pulse input module, then Analog Output Modules and then SST module along with its I/O modules.</p> <p>Recovery: Delete all the modules and load the Profibus modules first and then load the other chassis I/O modules.</p> <p>Workaround: None.</p>
1-17FPCH	Third Party Components	<p>Error Indication: Internal error occurs when you try to open the documents related to SST_PFB_CLX in SST Profibus installation CD part nr.705-0004, Rev. 03-02.</p> <p>Description: Internal error occurs when you try to open the documents related to SST_PFB_CLX in SST Profibus installation CD part nr.705-0004, Rev. 03-02. Because of this the user documentation cannot be used which will assist in installation or up-gradation of firmware.</p> <p>Recovery: None.</p> <p>Workaround: Use next version of SST_PFB_CLX in SST Profibus installation CD part nr.705-0004, Rev. 07.10.0.0 where issue is resolved.</p>
1-OIW24V	Third Party Components	<p>Description: Trying Disable-Enable of FTE Yellow-Green causing the BSOD fail of Server Grade.</p> <p>Recovery: Reboot the machine for each disable or enable of the adapter.</p> <p>Workaround: Invalid test case, if the machine is ON PROCESS. Do not disable all adapters and enable all adapters without a reboot.</p> <p>Reboot the machine for each disable or enable of the adapter.</p>

PAR	Function	Description
1-PPG7GR	Third Party Components	<p>Error Indication: C200 5ms controller is losing Connection with Server Intermittently resulting in loss of View at Control Builder (everything turns RED at Monitoring side) and Loss of View at Station for C200 Detail Display.</p> <p>Description: Loss of View / Server Connection fail on Control Builder & Station for C200 5ms (Non-Redundant), when there is Peer-to-peer (P2P) Connection between C200 5ms & ACE on CNET and cable is disconnected as per below: Remove Control Net Cable A of Non-Redundant C200 5ms & Remove Control Net Cable B of ACE. Remove Control Net Cable B of Non-Redundant C200 5ms & Remove Control Net Cable A of ACE. In the above two Scenarios, Loss of Peer-to-peer data communication between C200 & ACE is observed which is expected. But in this scenario, the C200 5ms is losing Connection with Server Intermittently (disconnects and connects back) and hence resulting in Loss of View at Control Builder (everything turns RED at Monitoring side) and Loss of View at Station for C200 Detail Display.</p> <p>Recovery: Reconnect the cables back.</p> <p>Workaround: None.</p>
1-TVWXHJ	Third Party Components	<p>Error Indication: After checkpoint restore, output modules configured through SST module remain in red color in monitoring side with DEVSTATUS set to PfbNotInRun.</p> <p>Description: It is observed that after checkpoint restore, analog and digital output modules remain in red color in monitoring side with DEVSTATUS set to PfbNotInRun.</p> <p>Recovery: Take the C200E to NODB, reload the Master SST Profibus Interface and IO modules.</p> <p>Workaround: None.</p>

Software Configuration Management

PAR	Function	Description
1-AX3AF12	Software Configuration Management	<p>Error Indication: On Experion R510.2 system, if the UEA and EIM modules having R501.2 Firmware Manager, then the Firmware version appears in Red color.</p> <p>R501.2 Firmware will not be available for flashing any new module on R510.2 systems.</p> <p>Description: R501.2 EIM & UEA Firmware folder is not present in R510.2.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

OPM-Controller Migration

PAR	Function	Description
1-ANXFONR	OPM-Controller Migration	<p>Description: When tried to do EIM OPM, wizard says that modules are already on recent release.</p> <p>Workaround: Perform the following steps:</p> <ol style="list-style-type: none"> 1. From Control Builder, Disable the Synchronization. 2. Perform the below steps in Firmware Manager: <ol style="list-style-type: none"> a. Select the box corresponding to the backup EIM module you want to load the firmware. The row is now highlighted. b. Right-click on the selected row and click Firmware Version. The Select Firmware Version window appears. c. Select a firmware version and click Show Personality. d. Select a personality under Personality and click Select. e. On the Home screen, click Load Firmware. 3. Synchronization aborts for the first attempt and succeeds for the second time. 4. Wait for the primary and secondary to synchronize. 5. From Control Builder, perform Switchover and Disable Synchronization command. 6. Wait for the new secondary to complete start up. 7. In Firmware Manager, flash the secondary to the target firmware by following the steps mentioned in Step 2 above. 8. From Control Builder, Enable Synchronization command, synchronization fails at first attempt, but succeeds at second or third attempt.

5.2.4 Servers and Stations

Detail Displays

PAR	Function	Description
1-9SB90E7	Detail Displays	<p>Error Indication: Script Error "Stack Overflow" May popup up while navigating to BB function block detail display Main page.</p> <p>Description: When standard detail display is used for BB function block. Script error may popup up sometime when navigated to the Main page.</p> <p>Recovery: Acknowledge the script error and continue the operation. It has no other impact on functionality.</p> <p>Workaround: Acknowledge the script error.</p>
1-9SBA43B	Detail Displays	<p>Error Indication: Station throws an error message and loads a blank page.</p> <p>Description: NORSOK CA & SBE block detail displays may fail to load chart view in Station.</p> <p>Recovery: None.</p> <p>Workaround: View Chart from Control Builder.</p>

Field Device Service

PAR	Function	Description
1-8W8XR8T	Field Device Service	<p>Error Indication: Configure Device step in Auto Device Commission workflow in Project Engineering Plugin in Control Builder will fail.</p> <p>Description: "Device Configuration did not complete for <TagName> because Error occurred during device communication" message is show in PET plugin during configure device step. Issue is seen only for CERABAR S device.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

HMIWeb Station

PAR	Function	Description
1-81OJKSL	HMIWeb Station	<p>Error Indication: 2 decimal places always shown on custom graphics.</p> <p>Description: Alphanumerics bound to numeric CEE block parameters, such as "DACA.PV", show 2 decimal places even after 'Enable parameter format' option is selected.</p> <p>Recovery: None.</p> <p>Workaround: Configure the number of decimal places on each alphanumeric and do not select the 'Enable parameter format' option for CEE block parameters.</p>

HMIWeb Station -Collaboration Station

PAR	Function	Description
1-A1LNDJT	HMIWeb Station-Collaboration Station	<p>Error Indication: The Collaboration Station window opens with the default settings rather than the position or size configured in the previous session.</p> <p>Description: Collaboration Station window settings have been configured but are not retained in subsequent sessions.</p> <p>Recovery: None, reset the window position / size manually.</p> <p>Workaround : None.</p>

HMIWeb TPN Details

PAR	Function	Description
1-9R4EQLZ	HMIWeb TPN Details	<p>Error Indication: Station Detail display of PMP point is giving error as "Errors have occurred on this page".</p> <p>Description: "Errors have occurred on this page" dialogue may be displayed on Detail Display of PMP points.</p> <p>Recovery: Invoke any other Display.</p> <p>Workaround: Use Native Window to detail PMP points that display this error.</p>

HMIWeb Station - Displays

PAR	Function	Description
1-5UEU04N	HMIWeb Station - Displays	<p>Description: It has been observed that, after migration from an older release to R510.1, any .html file (ECC Generated report) is getting opened in HMI Web builder instead of Internet Explorer.</p> <p>Workaround 1: If .html file (ECC report) opens up in HMI Web Builder then go to Control panel > Programs > Default Programs > Set Associations and set association of .html to Internet explorer from HDB.exe.</p> <p>Workaround 2: Open internet explorer and just drag and drop ECC report (html file) in it.</p>

Server - Alarm/Event

PAR	Function	Description
1-9ESSDPK	Server - Alarm/Event	<p>Error Indication: Source and Description columns show truncated text for Hardware Alarms in System Alarms.</p> <p>Description: There is a limitation in displaying number of characters in the system alarms summary page Experion station. Due to this limitation some of the Dell hardware system alarms details might get truncated.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>
1-4CINRJ3	Server - Alarm/Event	<p>Description: An alarm that has been cleared and then unshelved appears on a Console Station connected to a DSA subscriber.</p> <p>Recovery: None.</p> <p>Workaround: Shelf and unshelf the alarm on the DSA subscriber server.</p>
1-8MEME1P	Server - Alarm/Event	<p>Description: Resource usage of the DSA Events on the server raises during simultaneous call-ups of the Event Summary on multiple Console Stations, and does not reduce when the Console Stations remain on this display.</p> <div style="border: 1px solid orange; padding: 5px; margin: 10px 0;"> <p>NOTE This error can only be viewed when monitoring the resource usage of the DSA Events application on the Server.</p> </div> <p>Recovery: Refresh all Event Summaries, or close the Event Summary.</p> <p>Workaround: None.</p>
1-7XG5D27	Server - Alarm/Event	<p>Description: Messages confirmed through Control Builder are not also showing as confirmed in Experion Station.</p> <p>Recovery: None.</p> <p>Workaround: Use Experion Station to confirm messages.</p>

Server - Batch Unit Timeline

PAR	Function	Description
1-9ZLMSZL	Server - Batch Unit Timeline	<p>Error Indication: Unit Timeline Now Card is empty.</p> <p>Description: The Unit Timeline Now Card is empty and timeline bars are not appearing. This can occur when inter-cluster peer-to-peer is used to invoke batch Phases (SCMs) from higher level recipes.</p> <p>Recovery: None.</p> <p>Workaround: Move the recipe that invokes the Phase (SCM) onto a controller in the same cluster as the Phase and then download it. The next time a batch is run the Now card will display phases when they are active.</p>
1-A1LRR37	Server - Batch Unit Timeline	<p>Error Indication: Procedures or Unit Procedures don't appear on the Unit Timeline for some Units.</p> <p>Description: Procedures and Unit Procedures will not appear in the Unit Timeline for a Unit if another operation invokes a Phase in a sub-asset of that Unit. Also, they must have the Procedure icon configured in Control Builder.</p> <p>Recovery: None.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Check in Control Builder that the Procedure icon has been configured for the Unit and Unit Procedure. 2. If the Phase (SCM) is in a sub-asset of the Unit (for example, \Assets\Process_Cell_1\Unit_1\SCM_tag_1), change the asset of the SCM to the asset used by the Unit (for example, \Assets\Process_Cell_1\SCM_tag_1) and reload the SCM to the server. The next time a batch is run the Procedures or Unit Procedures will show on the Unit Timeline in the expected unit.
1-A28D4P9	Server - Batch Unit Timeline	<p>Error Indication: Delay exceedance indication is not seen on the completed procedures after DSA reconnect and not updated after reference batch selection change.</p> <p>Description: Delay exceedance indication is not updated on completed timeline bars after reference batch selection change or recovery.</p> <p>Recovery: None.</p> <p>Workaround: None. The avoidance is to make the correct reference batch selection early in the batch and address underlying causes of DSA disconnection.</p>
1-A27XV7L	Server - Batch Unit Timeline	<p>Error Indication: Reference Batch is not shown in the Create Batch form when the related recipe is selected. To confirm this is the issue, open the problem CSV file in Excel and identify that at least one procedural element has a blank value in Tag_Name column name and that this tag name is longer than 30 characters length in Control Builder.</p> <p>Description: Reference Batch reports are not available for selection in Unit Timeline if a procedural element in it has a tag name longer than 30 characters.</p> <p>Recovery: Manually add the correct tag name into the Tag_Name column of the problem procedural element(s) and save the CSV file back to the ReferenceBatches folder on the primary Experion server.</p> <p>Workaround: Change the tag name of the problem procedural element in Control Build to have a name less than 30 characters.</p>

Server - OPC clients and servers

PAR	Function	Description
1-1BLJCBV	Server - OPC clients and servers	<p>Description: PHD through Redirection Manager (RDM) is unable to reconnect to the Experion OPC server after a failover.</p> <p>Recovery: Have PHD reconnect once the TPS connection has been established.</p> <p>Workaround: Configure the PHD RDM to monitor the TPS Status item. For more information, see the Solution Document for PAR 1-1G2L3MX which is available from the Honeywell Technical Assistance Center.</p>
1-9217LHT	Server - OPC clients and servers	<p>Error Indication: Cannot connect to HCI-based OPC servers on Experion R510.</p> <p>Description: Using a local OPC Validator client, unable to connect to any HCI based OPC Servers including SPS, SES, Experion OPC Server. Get E_ACCESSDENIED error.</p> <p>Recovery: Issue is caused by Microsoft patch KB4056890 and applies to all releases, not just R510. Later it is confirmed that Jan 2018 MS update (KB4057142) fixed this issue.</p> <p>Workaround: None.</p>

Server - System Status

PAR	Function	Description
1-A282BWV	Server - System Status	<p>Description: Station failure alarm for the flex station is not suppressed when system alarms suppressed mode is enabled.</p> <p>Recovery: None.</p> <p>Workaround: Acknowledge the Station failure alarm and ignore it while the machine is in System Alarms Suppressed Mode.</p>

Server - SCADA Interfaces

PAR	Function	Description
1-A2CEOCH	Server - SCADA Interfaces	<p>Error Indication: DNP3 communication fails for 15 mins and re-establish on Server failover.</p> <p>Recovery: Communication resumes automatically after 15 minutes.</p> <p>Workaround: None.</p>

Server - TPS Integration

PAR	Function	Description
1-9H1JBWH	Server - TPS Integration	<p>Description: The LCN Status dashboard does not load correctly when many TPS nodes are configured.</p> <p>Recovery: None.</p> <p>Workaround: Create a custom dashboard that contains fewer nodes on the first page.</p>

Server - IEC850

PAR	Function	Description
1-9NP10FN	Server - IEC850	<p>Error Indication: IEDs will appear disabled in Station.</p> <p>Description: IEDs of an IEC61850 system interface in Station may appear disabled after download of Data Points.</p> <p>Recovery: Restart Experion PKS Watchdog service.</p> <p>Workaround: Restart Experion PKS Watchdog service.</p>
1-9FC2KB7	Server - IEC850	<p>Error Indication: 'HSR MUX Driver' name is not updated in Network properties after installation. The name appears as "Ethernet" for the HSR MUX Driver.</p> <p>Description: 'HSR MUX Driver' name is not updated in Network properties after installation. The name appears as "Ethernet" for the HSR MUX Driver.</p> <p>Recovery: None.</p> <p>Workaround: Rename network manually to "HSR MUX Driver".</p>

5.3 Special considerations

5.3.1 Equipment Display Enhancements

To use the equipment display enhancements, ensure that equipment templates have been updated.

5.3.2 RSLinx Classic software and Experion R510 (1-8H5CPBD)

Error Indication:

If the TC-CEN021 is being used to interface with the PLC, the communication to PLC breaks down from the configuration node through TC-CEN021.

Description:

If the PLC is interfaced with an Experion system through Honeywell's TC-CEN021 module, the PLC cannot be contacted through RSLinx Classic v3.90 or later.

Recovery:

Replacing the TC-CEN021 with Rockwell's latest Ethernet Interface Module "1756-EN2T" will resolve the communication issue with the PLC from the configuration node.

Workaround:

None.

5.4 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.

- [Control change impact](#)
- [Operational change impact](#)
- [Infrastructural change impact](#)

5.4.1 Control change impact

This point release affects multiple subsystems and some other products that integrate with Experion PKS. Some subsystems will behave differently depending on whether an equivalent patch has been installed on the other systems. Please refer to [More about this point release](#) section for more details.

5.4.2 Operational change impact

PAR 1-9EVYUAN

Description: [SFTPGM] After installing new SYCON.net, need minor slave param. modification for joker block to work.

Workaround: Install the latest SYCON.net that is provided in the patch. To get the fix for joker block issue, perform save operation for the slave in which joker block is supported.

The following simple workaround can be performed to trigger save operation:

1. Open **Control Builder**.
2. Open Configuration form of **PBLink** and navigate to **Field Network Configuration** tab.
3. Double-click on the supported joker block slave and click on **Groups** tab under **Navigation Area**.
4. Check and uncheck any group and click **OK**.
5. Save the configuration and load the **PBLink**.

PAR 1-9GM1HG5

Description: OTP/OEP layout causing LCD monitor persistent image over the time.

Workaround: This display is changed with an improved design of the OEP on-screen keyboard which reduces the impact of screen burn-in caused by the continuous display of the keyboard for long periods of time. In addition to this new design, the keyboard continuously shifts up, down, left and right by a small amount that is imperceptible to the user, gradually over a long time. These two changes will eliminate any burn in effects of using this keyboard on the touch panel.

5.4.3 Infrastructural change impact

Not Applicable.

For,

5.5 Firmware revisions

The following table provides details about the firmware revisions.

Module	Module number	Firmware version	File
C200E	TC-PRS022	EXP510.1-37.102	cee50e.pcm
	TK-PRS022		cpmboote.pcm
C300	Cx-PCNT01 CC-PCNT02	EXP510.1-37.102	c300.lcf
			c300_ehb.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
			PCNT02.lcf
PGM2	Cx-IP0101	EXP510.1-37.103	pgm2.lcf
			pgm2app1.pcm
			pgm2boot1.pcm

Module	Module number	Firmware version	File
EHPM	EC-THPM01	EXP510.1-37.103	ehpm.lcf ehpmapp1.pcm ehpmboot1.pcm
ENIM	EC-TNIM01	EXP510.1-37.103	epni2.lcf epni2app1.pcm epni2boot1.pcm
ETN	EC-ETB01	EXP510.1-37.102	etn.lcf ETNapp1.pcm ETNboot1.pcm
UEA	EH-UEA010	EXP510.1-37.104	ueaelcn_brg_uea2_fte_signed_prod.pkg

* This point release contains Firmware of new CF9 hardware version D DO NOT attempt to flash a CF9 Hardware revision lower than D with this firmware. Please refer to **BW 2016-10** for more details.

5.6 DSA Alarm and Event Report

If you use the DSA Alarm and Event Report to query other systems you will need to ensure you that that system is at the appropriate patch level. Use the following table to determine the minimum patch level.

Installing patches to the subscribing servers first will minimize disruption of DSA Alarm Event Report queries whilst patching the servers in your system.

Release	Patch Level
R310.3	Patch Level ExperionPKS.R310.3.Server.Patch687.PAR1-6GU86WN
R400.8	Experion PKS R400.8 Server Patch 822
R410.9	Experion PKS R410.9 Server Patch 2
R430.6	Experion PKS R430.6 Server Patch 1
R431.3	Experion PKS R431.3 Server Patch 3
R431.4	Experion PKS R431.4
R432.1	Experion PKS R432.1 Server Patch 2
R500.1	Experion PKS R500.1

5.7 Problems resolved in previous point release

- [Resolved PARs in Experion PKS R510.1](#)

5.7.1 Resolved PARs in Experion PKS R510.1

[Resolved PARs for Controllers and Tools](#)

[Resolved PARs for Common Components](#)

[Resolved PARs for Installation and Migration](#)

Controllers and Tools

PGM

PAR	Function	Description
1-G04A9M	PGM	After switchover BADPV Alarms reported against CMs using Siemens ET200 Modules.

PM I/O

PAR	Function	Description
1-6BKDENJ	PM I/O	Assistance with RTD measurement.

EBM-Controller

PAR	Function	Description
1-6CDPENZ	EBM-Controller	Redundant C300 both crash with 00D2 error code due to invalid configuration.
1-PK1QJ5	EBM-Controller	CR stays in "Acquiring Resource" after issuing START to it after Circular OPM of C300.
1-7JXC6Z9	EBM-Controller	Need to be able to recover after Phase block communication errors.

EtherNet/IP-Tools

PAR	Function	Description
1-6WUEV3D	EtherNet/IP-Tools	C300 is allowing to load EtherNet/IP protocol without valid license.
1-6WOK7XT	EtherNet/IP-Tools	EtherNet/IP devices are communicating through EIM without valid license.
1-8QJNVJ5	EtherNet/IP-Tools	Description of the Scaling parameter is not consistent with the corresponding input/output parameter.

EtherNet/IP-Communication

PAR	Function	Description
1-8X60QDF	EtherNet/IP-Communication	Experion R500 cannot read more than 32 bits with the EtherNet/IP module.
1-6WUEVOX	EtherNet/IP-Communication	'Spanning-tree portfast' setting needs to be removed for uplink ports only.
1-8EGALT9	EtherNet/IP-Communication	EtherNet/IP Device FAIL to connect after performing Checkpoint Restore on UOC.

EtherNet/IP-CEE-Embedded

PAR	Function	Description
1-8C9M091	EtherNet/IP-CEE-Embedded	EtherNet/IP IO module not generating config alarm for custom template.

PROFIBUS Interface Modules

PAR	Function	Description
1-8DVCN3B	PROFIBUS Interface Modules	Data loss observed as Set param & get config telegrams are sent by PGM during switchover.

Modbus TCP Blocks

PAR	Function	Description
1-3KTUV09	Modbus TCP Blocks	I array blocks error flag is ON after 5 mins on Modbus device network disconnect.

Control Builder

PAR	Function	Description
1-LH4MXJ	Control Builder	Phase Block with empty library name is getting created & posing IXP errs on migration to R410.

Control Builder-System Repository

PAR	Function	Description
1-PV3SMT	Control Builder-System Repository	Non-CEE points (SCADA) data corrupted when Primary & backup SR are not in SYNC & primary failed.

IEC870 Interface

PAR	Function	Description
1-85YZ8I2	IEC870 Interface	IEC870 SQL database not migrated.

I/O-Series C

PAR	Function	Description
1-5S2EVPM	I/O-Series C	Series C AI module state change from Run to Idle on its own.

System Repository

PAR	Function	Description
1-1RTR2H5	System Repository	CDA communications are lost while new strategies are being downloaded.

Enterprise Model Builder

PAR	Function	Description
1-U2328V	Enterprise Model Builder	Config studio opened from SRVB during dual primary it lists the SRVA in the DSA.

Common components

Honeywell File Transfer

PAR	Function	Description
1-904JHYD	Honeywell File Transfer	On an ES-T node, performing file transfer causes a delay in file timestamp by one hour for certain files.

OPC Gateway

PAR	Function	Description
1-2GZVP6	OPC Gateway	Improve the OPCG to unsubscribe/re-subscribe a parameter.

SafeView

PAR	Function	Description
1-7J85UT3	Safeview	Displays appear to iconize-restore upon invocation, made obvious by Microsoft animation.

Software Configuration Management

PAR	Function	Description
1-5HLSY0B	Software Configuration Management	STAC-FDM package missing from Install DVD-2. Found during C5 TP2 PKG QT.

Installation and Migration

Server - Installation and Migration

PAR	Function	Description
1-3HS18HR	Server - Installation and Migration	EMSEvents database cannot be reinitialised/upgraded due to insufficient file permissions.

INS - Installation

PAR	Function	Description
1-8X2HBD7	INS - Installation	During migration from an earlier release to R510.1, the Installer will report above error during restore profit loop data step.

SIUG-Software Install and Upgrade Guide

PAR	Function	Description
1-8Q4II19	SIUG-Software Install and Upgrade Guide	Standard documentation did not seem to include workflow for classic ESVT node to ELCN migration.

SUPPORT AND OTHER CONTACTS

6.1 Documentation feedback

You can find the most up-to-date documents on the Honeywell Process Solutions support website at:

- <http://www.honeywellprocess.com/support>

If you have comments about Honeywell Process Solutions documentation, send your feedback to:

- hpsdocs@honeywell.com

Use this email address to provide feedback, or to report errors and omissions in the documentation. For immediate help with a technical problem, contact your local Honeywell Process Solutions Customer Contact Center (CCC) or Honeywell Technical Assistance Center (TAC) listed in the “Support and other contacts” section of this document.

6.2 How to report a security vulnerability

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

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

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

<https://honeywell.com/pages/vulnerabilityreporting.aspx>

Submit the requested information to Honeywell using one of the following methods:

- Send an email to security@honeywell.com.
or
- Contact your local Honeywell Process Solutions Customer Contact Center (CCC) or Honeywell Technical Assistance Center (TAC).

6.3 GTAC Support

1. Subscribe for Automated Email Alerts:

Honeywell advises all users to subscribe for alerts on

<http://www.honeywellprocess.com/support> to receive an email alert every time a new Notification or patch is posted. A tutorial is available (“https://www.honeywellprocess.com/en-US/online_campaigns/forms/Pages/subscription_process.html” link at the bottom right

hand side of any page of <http://www.honeywellprocess.com/support>) to help guide you through the subscription process and to tailor subscriptions to be appropriate to your system and needs. In addition you may also subscribe to the GTSKnowledgeSharing@Honeywell.Com which provide users on a regular basis with valuable tips & tricks, lessons learned and recommendations.

2. Further support required?

If you have any questions concerning this notification, please contact your local Honeywell office or the Global Technical Assistance Centre (GTAC). Visit <http://www.honeywellprocess.com/support> and select "<https://www.honeywellprocess.com/en-US/contactus/pages/default.aspx>" for country-specific Customer Contact Numbers. After you log on to <http://www.honeywellprocess.com/support> you may also search our https://honeywellprocess-community.force.com/hpservice/Search_Knowledge_Base or https://honeywellprocess-community.force.com/hpservice/Submit_Request_Form to request help.

3. Training classes:

Honeywell holds technical training classes on Experion PKS. These classes are taught by experts in the field of process control systems. For more information about these classes, contact your Honeywell representative, or see <http://www.automationcollege.com>.

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- hpsdocs@honeywell.com

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

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

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

<https://honeywell.com/pages/vulnerabilityreporting.aspx>

Submit the requested information to Honeywell using one of the following methods:

- Send an email to security@honeywell.com.
- or
- Contact your local Honeywell Process Solutions Customer Contact Center (CCC) or Honeywell Technical Assistance Center (TAC) listed in the “Support” section of this document.

Support

For support, contact your local Honeywell Process Solutions Customer Contact Center (CCC). To find your local CCC visit the website, <https://www.honeywellprocess.com/en-US/contact-us/customer-support-contacts/Pages/default.aspx>.

Training classes

Honeywell holds technical training classes about Experion PKS. These classes are taught by experts in the field of process control systems. For more information about these classes, contact your Honeywell representative, or see <http://www.automationcollege.com>.