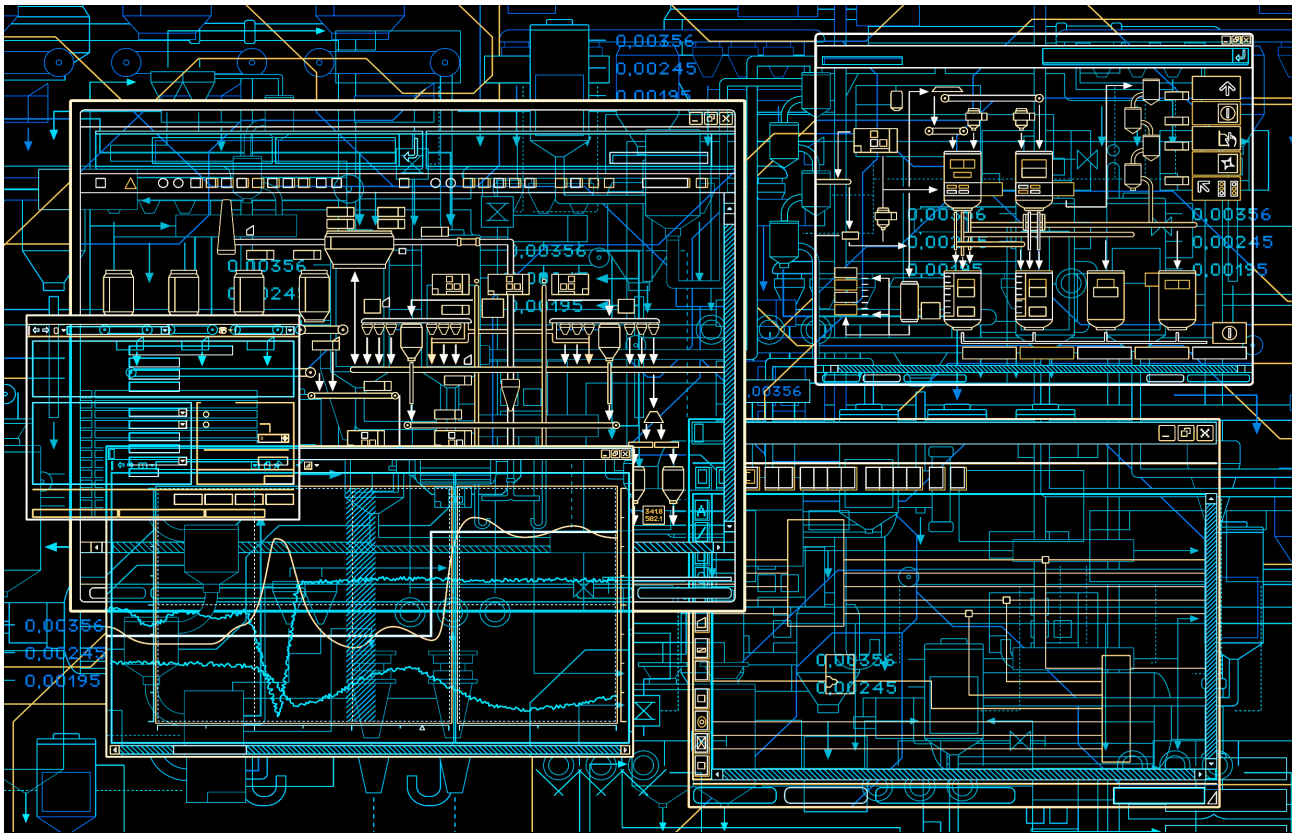

System 800xA

Release Notes
Resolved Issues

System Version 6.0.2

Power and productivity
for a better world™

System 800xA

Release Notes
Resolved Issues

System Version 6.0.2

NOTICE

TRADEMARKS

Release: May 2016
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About This Release Note

General

Any security measures described in this Release Note, for example, for user access, password security, network security, firewalls, virus protection, etc., represent possible steps that a user of an 800xA System may want to consider based on a risk assessment for a particular application and installation. This risk assessment, as well as the proper implementation, configuration, installation, operation, administration, and maintenance of all relevant security related equipment, software, and procedures, are the responsibility of the user of the 800xA System.

This Release Note describes the resolved issues in 6.0.2 release. For some Functional Areas, the resolved issues are explicitly classified based on upgrade path whether the system is being upgraded from System 800xA 5.1 Revisions or Feature Packs.

Release Note Conventions

Microsoft Windows conventions are normally used for the standard presentation of material when entering text, key sequences, prompts, messages, menu items, screen elements, and so on.

Warning, Caution, Information, and Tip Icons

This Release Note includes Warning, Caution, and Information where appropriate to point out safety related or other important information. It also includes Tip to point

out useful hints to the reader. The corresponding symbols should be interpreted as follows:

Electrical warning icon indicates the presence of a hazard that could result in *electrical shock.*

Warning icon indicates the presence of a hazard that could result in *personal injury.*

Caution icon indicates important information or warning related to the concept discussed in the text. It might indicate the presence of a hazard that could result in *corruption of software or damage to equipment/property.*

Information icon alerts the reader to pertinent facts and conditions.

Tip icon indicates advice on, for example, how to design your project or how to use a certain function

Although Warning hazards are related to personal injury, and Caution hazards are associated with equipment or property damage, it should be understood that operation of damaged equipment could, under certain operational conditions, result in degraded process performance leading to personal injury or death. Therefore, fully comply with all Warning and Caution notices.

Terminology

A complete and comprehensive list of terms is included in *System 800xA System Guide Functional Description (3BSE038018*)*. The listing includes terms and definitions that apply to the 800xA System where the usage is different from commonly accepted industry standard definitions and definitions given in standard dictionaries such as Webster's Dictionary of Computer Terms. Terms that uniquely apply to this Release Note are listed in the following table.

Released User Manuals and Release Notes

A complete list of all User Manuals and Release Notes applicable to System 800xA is provided in *System 800xA Released User Manuals and Release Notes (3BUA000263*)*.

System 800xA Released User Manuals and Release Notes (3BUA000263)* is updated each time a document is updated or a new document is released. It is in pdf format and is provided in the following ways:

- Included on the documentation media provided with the system and published to ABB SolutionsBank when released as part of a major or minor release, Service Pack, Feature Pack, or System Revision.
- Published to ABB SolutionsBank when a User Manual or Release Note is updated in between any of the release cycles listed in the first bullet.

A product bulletin is published each time *System 800xA Released User Manuals and Release Notes (3BUA000263*)* is updated and published to ABB SolutionsBank.

Section 1 Release Notes

Introduction

This document represents the Release Notes for the System 800xA 6.0.2.

This document lists the problems that have been resolved in this release since the previous release. The document contains additional notes that may be valuable to customers and service personnel working with the product.

The resolved issues are divided into categories by individual Functional Area or product. The categories are:

- Installation.
- Administration.
- Configuration.
- Operation.
- Instruction Manual Changes.
- Miscellaneous.

Known problems are described in *System 800xA Release Notes, New Functions and Known Problems (2PAA111899*)*, which contains the known problems that were previously identified in prior releases that have not been resolved in this release.

Products Participating in this Version

The following products are a part of the System 800xA 6.0.2.

- System Installation
- 800xA for AC 800M

Release Notes Safety Notices

Failure to follow all Warnings and Instructions may lead to loss of process, fire, or death.

Read Release Notes carefully before attempting to install, operate, or maintain this software.

Install the software within the design limitations as described in the installation and upgrade instructions. This software is designed to operate within the specifications of the 800xA System. Do not install this software to systems that exceed these limits.

Follow your company's safety procedures.

These Release Notes are written only for qualified persons and are not intended to be a substitute for adequate training and experience in the safety procedures for installation and operation of this software. Personnel working with this software must also exhibit common sense and good judgment regarding potential hazards for themselves and other personnel in the area. Should clarification or additional information be required, refer the matter to your ABB sales representative and/or local representative.

File these Release Notes with other instruction books, drawings, and descriptive data of the 800xA System. Keep these Release Notes available for the installation, operation and maintenance of this equipment. Use of these Release Notes will facilitate proper operation and maintenance of the 800xA System and its software and prolong its useful life.

All information contained in Release Notes are based on the latest product information available at the time of printing. The right is reserved to make changes at any time without notice.

Related Documentation

The documents to be used in conjunction with this Release Note document are:

- ***System 800xA Release Notes New Functions and Known Problems (2PAA111899)*:** Contains the known problems that were identified in the current version of the System 800xA 6.0.2 release.
- ***Third Party Software System 800xA (3BUA000500*)*:** Details the third party software that has been evaluated for use with System 800xA including Microsoft operating system software, Microsoft software, service packs, and hot fixes.

Product Support

Contact ABB technical support or you local ABB representative for assistance in problem reporting.

Section 2 System Installation

This section details the problems for System Installation that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0.2

Operation

Table 1 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 1. Operational Issues

Issue	Correction or Fix
System Installer Agent Tray Application showed **disconnected** when login user is not a local administrator or not part of IndustrialITAdmin group. 800xASYI-OL-6010-003	This problem has been corrected.
After Update to 800xA 6.0.1, some node functions like Information Manager Services, Calculations Services, and Application Scheduler Services were available for selection even if they were already selected. If they are selected again, the SCC may close abruptly. 800xASYI-OL-6010-007	This problem has been corrected.

Section 3 Base System

This section details the problems for Base System that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0.2

Installation

Table 2 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 2. Installation Issues

Issue	Correction or Fix
On Windows 8.1 engineering client nodes, Control Builder M crashes while going to test mode. 800xASYS-IN-6010-001	This problem has been corrected.

Table 2. Installation Issues (Continued)

Issue	Correction or Fix
UPnP Device Host service is disabled after Node preparation is run. 800xASYS-IN-6010-003	This problem has been corrected.
During manual installation of 3rd Party Common Install, the following error is seen: `Error: Object reference is not set to an instance of an object` 800xASYS-IN-6010-004	This problem has been corrected.

Operation

Table 3 lists the major system or product operation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 3. Operation Issues

Issue	Correction or Fix
Start value and End value of PG2 Scale Horizontal Limits are shifted towards the right side. This can be seen in a PG2 faceplate. 800xASYS-OL-6010-002	This problem has been corrected.
Incorrect value can be presented in PG2 graphic displays and PG2 graphic elements, which may cause the operator to make wrong decisions. The error, which is in the PG2 expression variable implementation sometimes causes the expression value to compute incorrectly. 800xASYS-OL-5140-117 Product ALERT: 3BSE085599	This problem has been corrected.
There is a need for improvements of the attribute filter to provide the possibility to set dynamic time ranges. 800xASYS-OL-5025-013	New functionality including a time range has been applied to the event filters. For more information, refer to Appendix AAdditional Configurations.

Resolved in 800xA 6.0.1

Administration

Table 4 lists the major system or product administration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 4. Administration Issues

Issue	Correction or Fix
When taking Maintenance Backups in large 800xA systems there is a risk that the backup fails with out of memory. 800xASYS-AD-5025-001	This problem has been corrected.

Configuration

Table 5 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 5. Configuration Issues

Issue	Correction or Fix
Redundant Videonet Server IP is not saved in the Camera Definition Aspect configuration file. 800xASYS-CN-6000-002	This problem has been corrected.
The Workplace does not pick up the customizations made to the Regional Settings in Windows. This problem was introduced in 6.0. 800xASYS-CN-6001-001	This problem has been corrected.
When the PG2 graphic builder is closed & reopened the values assigned to the properties of the ActiveX element within the ActiveX Wrapper are not saved and the default values will appear. This problem was introduced in 6.0. 800xASYS-CN-6000-005	This problem has been corrected.
PG2 builder may crash when moving arrow keys in the element browser search drop down window. The problem was introduced in 6.0. 800xASYS-CN-6000-006	This problem has been corrected.

Operation

Table 6 lists the major system or product operation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 6. Operation Issues

Issue	Correction or Fix
On rare occasions data retrieval fails for some basic history logs. This happens when the redundant connectivity servers are not fully synchronized. 800xASYS-OL-5102-041	New Applog operation has been provided to force the synchronization of the log. Contact ABB technical support for details and assistance.
Sometimes the 'High Range' and 'Low Range' in the Trend Displays are shown as 100 and -100 respectively instead of the configured values. 800xASYS-OL-5140-060	This problem has been corrected.
Restarting a Connectivity Server running the redundant Basic History service might lead to logging of incorrect data. 800xASYS-OL-5140-079	This problem has been corrected.
In Trend Display, the current selected Ruler indication does not work when using Aero Theme. 800xASYS-OL-5140-063	This problem has been corrected.
The Faceplate pin icon does not show the correct status when an operator keyboard is used to pin the Faceplate. 800xASYS-OL-5141-002	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
On a few occasions the Operator Workplace has crashed with the following error message "AfwWorkplaceApplication module stopped working". 800xASYS-OL-5140-091	This problem has been corrected.
Need better diagnostics and logging possibilities when analyzing issues in the workplace. 800xASYS-OL-5140-092	This problem has been corrected. Improved diagnostics and logging have been added to the Workplace application.
A subset of events might be missing in the event list after the following scenario: 1) Apply column filter 2) Stop updates 3) Start updates 4) Clear column filter **Note**: The events stored in the Event Storage are not affected, only the current view of the event list. 800xASYS-OL-5140-082	This problem has been corrected.
There is a mismatch in the indications of NormalMinValue and InputVarMin in a PG2 High Performance Bar primitive. The same applies for NormalMaxValue and InputVarMax. 800xASYS-OL-5140-121	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
Opening the trend display as an overlap, with magnifying glass icon clicked, increases memory consumption of the workplace application and leads to performance issues. This happens only when the Enable binary and Sort binary area are checked in the Trend template. 800xASYS-OL-5141-087	This problem has been corrected.
In a Multi-screen workplace alarms are not displayed correctly when the tabbed workplace is not configured to the first screen. 800xASYS-OL-5141-086	This problem has been corrected.
Start value and End value of PG2 Scale vertical Limits are shifted towards the left side. This can be seen in a PG2 faceplate. 800xASYS-OL-6000-006	This problem has been corrected.
If the RNRP filter is enabled, the System Status Service may incorrectly indicate NODE DOWN status for the local node in a single node system. A system alarm “Connection Down” will be issued when the single node server is rebooted. 800xASYS-OL-5100-069	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
Memory leakages may occur during Multisystem Integration upload, causing the AfwRAC process to crash and the upload to fail. 800xASYS-OL-5110-069	This problem has been corrected.
The AutoPopup property of RealDew input item: • pops up correctly when the configured condition is true. But it does not popup when clicking the hosting item. • it is possible to enter a value in the invoked faceplate using the keyboard the first time the AutoPopup pops up. It is not possible to enter any value by using the keyboard the second time it pops up. But the up/down buttons to the right in the dew work. The problem was introduced 6.0. 800xASYS-OL-6000-001	This problem has been corrected.
Navigating between displays in the Operator Workplace might make it crash. 800xASYS-OL-5141-012	This problem has been corrected.
Some times the engineering units are missing in the trend table when bringing up a Trend Display. 800xASYS-OL-5141-011	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
The user can select the Event attributes to be printed from the Alarm and Event List Configuration aspect. However, If the column name of an Extended Event attribute is changed this column can no longer be printed. The possibility to configure what columns to print is a new functionality in 6.0. 800xASYS-OL-5141-013	This problem has been corrected.
Traces in PG2 Trend Primitive, configured to show alarm colors, will continue to show alarm color instead of bad quality color even after status of the logged property is change from alarm to bad quality. Alarm colors in PG2 Trend primitive is new functionality in 6.0. 800xASYS-OL-5141-024	This problem has been corrected.
Sometimes the Element and Item hosted tool tips in PG2 displays do not work. The problem is introduced in 6.0. 800xASYS-OL-6000-008	This problem has been corrected.
Unable to input values with decimals in a real dew if the regional language is set to Swedish and a comma(',') is used as a decimal separator in Windows Regional Settings. 800xASYS-OL-5100-025	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
Point of Control may cause performance issues in the system when using operations such as request, accept, transfer responsibility. This happens when there is a high amount of active subscriptions on OPC items from Process Graphic displays. 800xASYS-OL-5110-071	This problem has been corrected.
Late binding function LateBoundObjectRef in PG2 Displays will always return an empty string when used together with #PresenationName. This problem is introduced in 6.0. 800xASYS-OL-6000-007	This problem has been corrected.
The Graphics Builder might crash if PG2 Displays are edited and Resource References are selected. 800xASYS-OL-5141-069	This problem has been corrected.
Sometimes logover does not work causing the trend traces to freeze. 800xASYS-OL-5104-026	This problem has been corrected.
Trend Display Seamless retrieval shows no data for the time duration when a BADTIME stamp is inserted into the Direct OPC Log. 800xASYS-OL-5104-022	New Applog operation has been provided to remove the BADTIME stamp from the Direct Log. Contact ABB technical support for details and assistance.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
Any problem in Find Tool may hang or crash the workplace application. 800xASYS-OL-5141-060	Find Tool is launched as a separate process in order to avoid workplace hang or crash. Since the new Find Tool is no longer an overlap and is separated from the workplace application process, the 'stacking order' view class value for the new Find Tool does not have any effect. The new Find Tool will not be part of the Alt+Tab sequence of workplace overlaps.
When the Find Tool is launched from the Tabbed workplace through the combined app bar tools the Find Tool does not open. 800xASYS-OL-5141-089	This problem has been corrected.
Quick find tool returns incorrect results when using wildcard search. For example: searching for "b*", sometimes returns results that do not start with a 'b'. 800xASYS-OL-5104-025	This problem has been corrected.
The Workplace may hang when carrying out a wild card search using the Quick Find Tool. 800xASYS-OL-5102-044	The Quick Find Tool is now changed to show a maximum of 20 items. There is an indication at the bottom of the list if more items are available.
The tooltip is not displayed when hovering over a trend curve in Trend Displays. This happens only if the function Auto-Scroll on Scroll Position is activated. 800xASYS-OL-5140-086	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
When changing colors in a Logical Color Definition aspect there is a small risk that the Operator Workplace can crash. 800xASYS-OL-5140-100	This problem has been corrected.
The Basic History service may restart when querying a very large time span of data from an external historian (like IM) through a Trend Display. 800xASYS-OL-5102-048	This problem has been corrected.
Presets cannot be used in the "Camera View" aspect even if they are saved in the faceplate. The problem was introduced 6.0. 800xASYS-OL-6000-003	This problem has been corrected.
In Process Graphics (PG2) the expression function LogicalColorFromName requires that at least one parameter is dynamic. The default color is used if there are no dynamic parameters. This problem was introduced in 6.0. 800xASYS-OL-6000-004	This problem has been corrected. Now, all the parameters can be static.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
On a few occasions the “Resize failed: Unknown Error” System Alarm has been reported from customer sites. The error is generated by the Event Storage service when the service has a problem allocating the disk space. This will not result in any events being lost. 800xASYS-OL-5110-072	This problem has been corrected.
Sometimes the consistency checks report false detections of invalid references. 800xASYS-OL-5104-010	This problem has been corrected.
Long call up time for PG2 Faceplates containing non graphic aspects. 800xASYS-OL-5141-010	This problem has been corrected.
In rare cases, a Multi-Screen workplace may start with blank screens. 800xASYS-OL-5141-031	This problem has been corrected.
When the Graphic Display in the base pane of the Tabbed Workplace is pinned, opening a Graphic Display by clicking on the Level 1 button may not work and the overlap is shown as blank. 800xASYS-OL-5141-037	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
The log over dialog Change User will remain active until actively closed by the user. 800xASYS-OL-5141-028	This problem has been corrected. The dialog closes automatically after 1 – 2 minutes.
The ruler value in the Trend Displays can be wrong for the binary signals when momentary treatment is used. 800xASYS-OL-5141-036	This problem has been corrected.
Disabling the Limit 2 Visibility property of PG2 High Performance Bar does not disable the Limit 2 functionality. 800xASYS-OL-5140-107	This problem has been corrected.
The System Event message generated when creating a 800xA Backup does not include any information about the errors in the backup. 800xASYS-OL-5140-108	This problem has been corrected. The system event now displays if the backup is a success or if it contains errors.
The workplace can crash when navigating between displays. In many of the observed crashes PG2 Displays have been involved. 800xASYS-OL-5104-019	Several workplace crashes have been corrected.
The security settings do not affect the External Alarm Configuration aspects, resulting in any user silencing the external alarms. 800xASYS-OL-5103-015	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
On very few occasions the Operator Workplace has crashed during normal operation. The crash is caused by a memory corruption. 800xASYS-OL-5130-032	This problem has been corrected.
When a LateBound Property function is configured to the TraceCurrentValue property of PG2 Trend Primitive, there will be high number of subscriptions setup to Basic History. This may lead to performance problems of Basic History. 800xASYS-OL-5141-054	This problem has been corrected.
Sometimes the Trend Display can show two vertical axis side by side. 800xASYS-OL-5140-088	This problem has been corrected.
The Trend Display may not display the current value after clicking the 'Move Scope Right' button. 800xASYS-OL-5140-085	This problem has been corrected.
The Trend Display may not display the current value after clicking the 'Move Scope Right' button. 800xASYS-OL-5110-074	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
Searching in the Element Explorer does not work or hangs the Process Graphics (PG2) Editor if the search matches many objects. 800xASYS-OL-5104-015	This problem has been corrected. Now the search result is limited to the 20 first objects that match.
The find function in the Process Graphics (PG2) Builder Element Browser often fails to find the correct aspects. 800xASYS-OL-5104-012	This problem has been corrected.
Navigating between tabs of a tabbed workplace with the "Alarm Status Indicator" activated, takes long time and results in high CPU usage in Aspect Server. 800xASYS-OL-5140-095	This problem has been corrected. A new service that provides all alarm status data for tabbed workplaces. This reduces the load on the aspect directory and improves startup and navigation performance for all tabbed workplaces which uses alarm properties that uses the PG2 graphics as alarm filter.
Sometimes when a redundant Aspect Server is restarted false Node Down alarms can be generated from one of the Servers. 800xASYS-OL-5103-019	This problem has been corrected.
There is slight difference in the way that the PG2 polylines are drawn in 800xA 6.0 when compared to the 5.1 versions. 800xASYS-OL-5141-063	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
Hardware events from AC800M always have the same Source Name and Condition Name, the only changes being in the time and messages. In a very fast system, such as PM891, more than one Hardware event can be generated in a millisecond. If this happens the events with same time stamp will be regarded as same event by the event list and rejected. The Status viewer and the project explorer should always reflect the correct update. 800xASYS-OL-5141-077	The problem has been corrected. The events with same time stamp are now treated as a new event.
The Process Graphics (PG2) trend primitive causes a memory leak when its subscription references cannot be resolved. 800xASYS-OL-5104-017	This problem has been corrected.
When a DEW (Direct Entry Window) is invoked in PG2 it is possible to use the mouse wheel to change the value. It is only possible to use the mouse wheel when the cursor is over the item that hosts the DEW or the DEW itself. It should be possible to have the cursor anywhere inside the graphic aspect and use the mouse wheel. 800xASYS-OL-5141-071	This problem has been corrected.
There is a small risk that the AC800M OPC Server can crash. The crash occurs randomly. 800xASYS-OL-5101-104	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
A memory leak will occur in OPC DA Connector and the Operator Workplace each time a Faceplate is closed with the lock enabled. 800xASYS-OL-5141-064	This problem has been corrected.
PG2 Displays may crash if Animation Rate is set to zero. The problem was introduced in 6.0. 800xASYS-OL-6000-005	This problem has been corrected.
Disabling the segment limit used property of PG2 High performance profile indication does not disable the segment limit used functionality. This includes H,HH,L,LL. 800xASYS-OL-5141-093	This problem has been corrected.
In PG2, the Trend primitive values are written twice when a subscription is activated. This may increase memory consumption in the workplace. 800xASYS-OL-5140-058	This problem has been corrected.

Table 6. Operation Issues (Continued)

Issue	Correction or Fix
It is not possible to use the Find Tool on a node where the update is performed, before the system extension is applied. 800xASYS-OL-5105-001	This problem has been corrected.
It is not possible to open the Find Tool by using the Ctrl + F hotkey. 800xASYS-OL-5105-002	In 6.0.1 a new Find Tool is released. User documentation is now updated with how to configure the hotkey Ctrl + F for new Find Tool.

Resolved in 800xA 6.0

Installation

Table 7 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given whereever possible.

Table 7. Installation Issues

Issue	Correction or Fix
PPA Services on the node are not started correctly when rebooted after installation using System Update Tool (SUT). 800xASYS-IN-5102-001	This problem is related to System update tool which is not used in 6.0. For more information, refer to *System 800xA Tools (2PAA101888*)*.

Table 7. Installation Issues (Continued)

Issue	Correction or Fix
During manual installation of 800xA software “This Program might not have installed correctly” notification from the Program Compatibility Assistance (PCA) Service Window can appear. The PCA window will not appear if the product is installed with the System Update Tool (SUT). 800xASYS-IN-5101-001	This problem has been corrected.
Avoid running the Firewall Configuration to apply rules for System 800xA more than once. This may create multiple rule entries. The system maintenance will be complicated if there are multiple instances of the same firewall rules. If only 800xA software is installed on a node, it is possible to configure the Windows Firewall multiple times by first Restoring the Default Policy and then applying 800xA rules using the System Installer tool for Firewall Configuration. If any other software is installed on the 800xA node, for example, an Antivirus software, restoring to the “Default Policy” will erase the rules added by this additional software to the Windows Firewall. 800xASYS-IN-5100-013	This problem has been corrected.

Configuration

Table 8 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 8. Configuration Issues

Issue	Correction or Fix
Dragging objects to the Reference Tool in Plant Explorer may fail if the size of the dragged object is too large. 800xASYS-CN-5102-001	This problem has been corrected.
Deleting a VBPG Graphic Element which is used in a VBPG Graphic Display, will not display the message "Dependent Aspects Exist" and the Graphic Element gets deleted. Important 800xASYS-CN-5101-002	This problem has been corrected.
On a few occasions PG2 Graphics Editor has crashed during copy/paste operation when editor is run on Remote Desktop. 800xASYS-CN-5101-025	This problem has been corrected.
The Tool icon in the favorites Object type can not be overridden. 800xASYS-CN-5130-004	This problem has been corrected.

Table 8. Configuration Issues (Continued)

Issue	Correction or Fix
It is not possible to open certain Process Graphics display in PG2 Graphics Editor. This happens if the Graphic displays contain a Trend element configured with either **OutsideLimitsPen** = **Empty** or **OutsideLimitsPen thickness** = **0**. 800xASYS-CN-5100-031	This problem has been corrected.
A problem occurs in the VideONet database when removing and adding the same camera model. 800xASYS-CN-5140-017	This problem has been corrected.
PG2 Graphics Editor may hang when an instance of element is inserted and then renamed followed by right click on element property. 800xASYS-CN-5140-016	This problem has been corrected.
PG2 Graphics Editor may crash when clicking on any one of the resizing points in the graphic display background 800xASYS-CN-5101-028	This problem has been corrected.
Problems with configuration of Process Graphics (PG2) ComboBox. 800xASYS-CN-5100-017	This problem has been corrected. User documentation has been improved.

Table 8. Configuration Issues (Continued)

Issue	Correction or Fix
Some times when copying a PG2 Graphic Display with unresolved references, enum values on placeholders may get a wrong value. 800xASYS-CN-5101-012	This problem has been corrected.
Some information on how to configure 3rd party OPC servers is missing in user documentation, 800xA System Configuration. 800xASYS-CN-5140-020	The User Documentation now includes information on how to configure 3rd party OPC servers.
The Quality flag for Simple Events generated by Alarm Expressions are always set to bad. 800xASYS-CN-5110-017	This problem has been corrected and now the default value is changed to good.
In case no alarm has been generated for a Soft Condition in the Soft Alarm server, then it is not possible to retrieve these conditions from configuration UIs such as Alarm Grouping and Alarm Hiding. 800xASYS-CN-5110-018	This problem has been corrected.
Connecting a node to a new restored system or rebooting a node can take a long time if you have a lot of servers in the system and they are not up and running. 800xASYS-CN-5010-017	This problem has been corrected.

Operation

Table 9 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 9. Operational Issues

Issue	Correction or Fix
If an Operator Workplace is configured with the "QuickFind Tool" as the first tool in a tool collection the layout; the other tools in the collection will be destroyed. 800xASYS-OL-5102-029	This problem has been corrected.
On rare occasions the Operator Workplace may crash when it reverts to inactivity user after log over. 800xASYS-OL-5140-045	This problem has been corrected.
On a few occasions the Operator Workplace has crashed when bringing up an Event List. 800xASYS-OL-5103-011	This problem has been created.
Alarm Band can show wrong color (priority) when alarms are shelved. 800xASYS-OL-5140-055	This problem has been corrected.
An inheritance change on a formal instance in a several-level composite object type in one process is not always propagated through to instances in other processes. 800xASYS-OL-5024-111	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
Navigation hot keys do not work with default workplaces in the Workplace Structure. 800xASYS-OL-5110-033	This problem has been corrected.
Aspect link with previous display indication shows wrong indication for quad workplace. Important 800xASYS-OL-5110-030	This problem has been corrected. The user manual has been updated.
In the Plant Explorer workplace, click the Next Target Tool and Previous Target Tool on the Application bar and open the Main View of any aspect. The aspect opens in the Preview window and not as an overlap. The Next Target Tool and Previous Target Tool belong to the Screen Bar Tools in the Library Structure. These are loaded into the Application bar when Primary Target Tool Collection is selected. 800xASYS-OL-5110-005	This problem has been corrected.
Overriding aspects in the object type structure does not work. 800xASYS-OL-5140-048	This problem has been corrected.
Sometimes Process Graphics (PG2) tool tips can show the aspect name instead of object name. 800xASYS-OL-5024-082	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
Alarm List popup window to shelf alarms can cover Application Bar. 800xASYS-OL-5100-062	This problem has been corrected.
Colon in property names makes the Consistency Check Tool to report errors during a consistency check. 800xASYS-OL-5140-007	This problem has been corrected.
There is a risk that the system is not possible to operate from an Operator Workplace when the system enters read only mode. A system enters the read only mode when two Aspect Directory services fail in systems running with 2oo3 redundancy. 800xASYS-OL-5140-016	This problem has been corrected.
Sometimes Alarm & Event lists ignore the configured Alarm shelving color definition. 800xASYS-OL-5130-024	This problem has been corrected.
On a few occasions XML errors pop up when starting a multi screen Workplace that has Process Graphics (PG2) as start up display. 800xASYS-OL-5130-028	This problem has been corrected.
When displaying Process Graphics (PG2) displays a long call up time can occur if there is a delay setting up subscriptions on any of the included OPC properties. 800xASYS-OL-5101-081	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
A system event is generated each time External Alarm writes to an output property. This can flood the System Event list if many external alarms are generated. 800xASYS-OL-5010-076	In 6.0 these events will be generated as simple events classified as new category Service Operation.
After an alarm refresh by the alarm system some acknowledged alarms may disappear from Alarm Lists, configured to show only alarms with Acknowledge State, acknowledged. The alarm system will typically do a refresh when disturbed and it looses contact with the OPC server (if redundant both). 800xASYS-OL-5110-053 800xASYS-OL-5110-054	This problem has been corrected.
Small memory leak in Operator Workplace. 800xASYS-OL-5102-028	This problem has been corrected.
The Configuration Wizard can run out of memory when loading some system extensions. 800xASYS-OL-5140-047	This problem has been corrected.
The list is empty when opening the Reference tool from the Object context. 800xASYS-OL-5102-011	This problem has been corrected.
Symbol Factory Symbols used in PG2 may cause the AfwWorkplace to hang. 800xASYS-OL-5110-017	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
PG2 Graphics Editor will crash when clicking on the expression column header in the expression variables window. 800xASYS-OL-5140-026	This problem has been corrected.
Sometimes alarm status in Tabbed Navigation does not display the correct value. 800xASYS-OL-5130-027 800xASYS-OL-5141-082	This problem has been corrected.
Sometimes the Display Documentation tool in PG2 Graphics editor does not generate complete images. 800xASYS-OL-5110-058	This problem has been corrected.
Instructions on how to set up Auto start of Operator Workplace needs to be improved. 800xASYS-OL-5103-009	This problem has been corrected. User documentation has been improved.
The Trend Display vertical grid lines may disappear after setting the ‘Selected Time’ field. 800xASYS-OL-5101-042	This problem has been corrected.
The Operator Workplace may hang when clicking one of the Ruler movement buttons directly after entering an invalid time scope in a Trend Display. 800xASYS-OL-5024-084	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
Ruler Value may not display correct values when filter value is applied in the trend display. 800xASYS-OL-5101-064	This problem has been corrected.
The Ruler movement buttons does not work properly when “Sort binary area” is enabled in Trend Template. 800xASYS-OL-5140-061	This problem has been corrected.
High Range and Low Range values in Trend disappears after uncheck and check of Visible column. 800xASYS-OL-5140-062	This problem has been corrected.
When using Display Bar shortcuts in Operator Workplace the shortcut has stopped working with a script error pop up dialog on a few occasions. 800xASYS-OL-5140-068	This problem has been corrected.
On rare occasions the workplace may crash when using Process Graphics (PG2) diagnostics windows. 800xASYS-OL-5104-003	This problem has been corrected.
When Audit Trail is activated unnecessary messages are logged and presented in Event Lists when Quick Find tool is used. 800xASYS-OL-5102-045	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
When changing time scope in a Trend Display from 8 hr to 15 min and using the scope left button a couple of times an extra curve can show up. This problem has only been observed when external logs (PGIM) is configured in the Trend Display. 800xASYS-OL-5101-073	This problem has been corrected.
Time span value is not shown properly in Trend Display Aspect after clicking the Left OR Right Scope Button. 800xASYS-OL-5103-002	This problem has been corrected.
Basic history may provide incorrect values for OPCHDA Aggregates 'Start' and 'End' for a period with bad data due to communication failure. 800xASYS-OL-5140-009	This problem has been corrected.
Trend Display does not show dotted lines for bad quality data when Trend Template is configured for binary signals with setting Enable Binary. 800xASYS-OL-5140-053	This problem has been corrected.
Sometimes the Workplace hangs when no response is given to the save dialog box after changing the configuration in the trend display when a logover is performed. 800xASYS-OL-5102-038	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
PG2 Graphics Editor does not behave correctly in the following scenario: 1. Create a text object and use "**Add Item Hosted Input Item**" and select a "**String Dew**" entry 2. Copy this element 3. Select the copied element (second object) and change the configuration via "**Data references**" 4. Now after editing an entry which is part of a "**General Properties**" aspect, the first element looses its Item "**String Dew**" 800xASYS-OL-5025-012	This problem has been corrected.
The Operator Workplace overlap replace strategy needs to be more flexible. 800xASYS-OL-5140-072	A new Workplace profile value called "Replace Overlaps on Different Screen" has been introduced. For more information see System 800xA Operations 6.0 Operator Workplace Configuration (.3BSE030322*).
Some times when viewing the Diagnostic Window of a graphic element in a PG2 Graphic Display, the information is shown for several elements. 800xASYS-OL-5110-056	This problem has been corrected.
The Shear expression function in PG2 may cause input in PG2 Graphic Display to stop working. 800xASYS-OL-5102-027	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
Using blinking colors in PG2 Graphic displays may cause a leakage leading to a Workplace crash. 800xASYS-OL-5030-001	This problem has been corrected.
Viewing PG2 Graphic Displays that receive data for some properties, but do not receive any initial data for other properties leads to high memory usage. 800xASYS-OL-5102-030	This problem has been corrected.
Workplace and Graphics Editor may crash due to initialization problems in PG2 Graphic Displays. 800xASYS-OL-5101-098	This problem has been corrected.
NLSTextFromIdent expression function in PG2 Graphic Displays requires one parameter to be dynamic. 800xASYS-OL-5103-013	This problem has been corrected and there is no need for any dynamic parameter.
Events that are defined to be executed when a PG2 Graphic Display is closed are not triggered. 800xASYS-OL-5141-006	This problem has been corrected.
Accessing the .NET interface IAspectVerbSite can cause unexpected exceptions. 800xASYS-OL-5140-020	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
Event list runtime filter status indication in the status bar is not removed when filter is deselected. 800xASYS-OL-5140-028	This problem has been corrected.
Alarms that change priority are not filtered correctly in the Alarm Sequence bar. 800xASYS-OL-5140-033	This problem has been corrected. Now the Alarm Sequence bar will filter alarms that change priority in the same way that Alarms Lists do.
Property Translation aspects leads to a memory leak if the defined properties refer to other properties from the same aspects. 800xASYS-OL-5024-083	This problem has been corrected.
Live values in Alarm List will cause a small leak in the Operator Workplace. 800xASYS-OL-5025-002	This problem has been corrected.
Logical colors used as argument to Process Graphics (PG") Build function LinearGradientBrush() does not work. 800xASYS-OL-5130-015	This problem has been corrected.
Live values in Alarm Lists don't behave consistently when scrolling the list for Alarms that don't have any Current Value defined. 800xASYS-OL-5130-022	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
The Operator Workplace may crash when working with the context menu of the Alarm Sequence bar. 800xASYS-OL-5140-046	This problem has been corrected.
The External Alarm description in User Documentation (800xA System Configuration Manual) on how to use Pulse option together with Acknowledged Alarms is not easy to understand. 800xASYS-OL-5104-002	The User Documentation how to configure External Alarm is improved.
In some cases the alarm manager fails to subscribe to events from all event collectors at startup; resulting in an amber border around the Alarm List and no alarms being collected from that event collector. 800xASYS-OL-5130-006	The Startup sequence is now more robust to prevent this problem from occurring.
Point of Control (POC) request and release operations can take long time to activate in systems configured with many process sections. In addition, POC Summary aspects can take long time to bring up in such systems. 800xASYS-OL-5101-035	This problem has been corrected.
System Configuration Console can crash when bringing up the Load Balancing task. 800xASYS-OL-5101-094	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
When operating a Faceplate at the same time as all communication between the Operator Workplace and the Aspect Servers fails there is a small risk that no feedback is given in the Faceplate. All other status indications will continue to update as normal in this situation. Communication failure here means that both networks fail in case of a redundant network. 800xASYS-OL-5103-004	Error handling is improved in Faceplate.
Audible Alarm may fail to sound for a low priority alarm if sound is not configured for a higher priority alarm. 800xASYS-OL-5024-081	This problem has been corrected.
Automatic silence of External Alarms will not work in some situations. 800xASYS-OL-5140-031	This problem has been corrected.
External Alarm pulse functionality can stop working for Audible alarm property. This happens if the Audible alarm property is configured with a pulse time and the property for some reason remains set after the pulse time (property is manually set or pulse reset failure). Any consecutive writes to set the property will fail and property remains set. 800xASYS-OL-5024-104	Functionality is improved so that a pulse is started after a property set failure leading to a property reset after the configured pulse time.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
In Alarm Logger daylight saving time is indicated on the wrong hour. After transition from daylight saving time to standard time the daylight saving time indication '*' is added to time stamps between hour 3 and 4 instead of time stamps between hour 2 and 3. 800xASYS-OL-5140-065	This problem has been corrected.
When configuring a backup for External Services, the Apply button in the Backup Definition Aspect is not enabled after making a configuration change. 800xASYS-OL-5140-036	This problem has been corrected.
If a PG2 Generic Element by mistake is positioned on the top object in the Graphics Structure all PG2 aspects will stop working. 800xASYS-OL-5140-017	This problem has been corrected.
Dynamic values in displays and faceplates based on Process Graphics 2 (PG2) may show wrong values. This problem was introduced in 5.1 RevD and 5.1 FP4 RevD. 800xASYS-OL-5140-059 Product Bulletin: 3BSE078347	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
The workplace can crash when navigating between displays. In many of the observed crashes PG2 Displays has been involved. Further improvements have been done compared to 5.1 RevD and 5.1 FP4 RevD. 800xASYS-OL-5025-007 800xASYS-OL-5103-007 800xASYS-OL-5102-033	This problem has been corrected.
Sometimes the write operation, configured to occur at call-up of a PG2 Display by using a Property Writer with the Event property set to OnCreate, is not performed. This problem was introduced in 5.1 RevD and 5.1 FP4 RevD. 800xASYS-OL-5140-078	This problem has been corrected.
If the display contains runtime errors viewing PG2 Displays for a long time consumes more memory, leading to a workplace crash. 800xASYS-OL-5102-031	This problem has been corrected.
After bringing up an overlap display via the context menu of a base display the first left click on an Aspect View Button will not activate anything. The second and following left click on the Aspect View Button will work as normal. This problem was introduced in 5.1 RevD and 5.1 FP4. 800xASYS-OL-5140-049	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
After a drag operation (click + drag) on the background of a PG2 display; the first click on an Aspect View Button will not activate anything. The second click on the Aspect View Button will work as normal. 800xASYS-OL-5140-057	This problem has been corrected.
Acknowledge all visible alarms is a function available in PG2 Displays. In some situations the workplace can be inoperable for up to 30 seconds when this function is activated. 800xASYS-OL-5101-063	Performance improvements has been done to minimize impact when ‘acknowledge all visible alarms’ is executed.
The Alarm Manager can crash when data stored in an aspect has become corrupt. The error has been observed once in a customer system. After restart of the Alarm Manager the alarm system works again. 800xASYS-OL-5140-029	This problem has been corrected.
Improved diagnostic possibilities when analyzing workplace stability and performance issues. 800xASYS-OL-5140-069 800xASYS-OL-5104-005	Correction done to improve the diagnostics in the workplace.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
Improvements of PG2 Aspect View ButtonLine break of text is not supported in PG2 Aspect View Button. 800xASYS-OL-5102-014 800xASYS-OL-5102-015 800xASYS-OL-5102-016	The following improvements has been done to PG2 Aspect View Button: • Line Break of displayed text is now supported • Right mouse click will now bring up context menu of referenced object. • Improved possibilities to align background images These improvements are already included in 5.1 FP4 RevD.
Faceplates might show wrong View Selection buttons if Faceplates with different number of views are opened in sequence. This problem was introduced in 5.1 RevD and 5.1 FP4 RevD. 800xASYS-OL-5140-076	This problem has been corrected.
When changing display from a PG2 display to another aspect in Operator Workplace the new display can be distorted. This problem affects only a few aspects views implemented in .NET. This problem was introduced in 5.1 RevD and 5.1 FP4 RevD. 800xASYS-OL-5104-006	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
Aspect Columns in Plant explorer settings controlled by Workplace Profile Values are changed when installing 5.1 RevD or 5.1 FP4 RevD. The 'Visible Aspect Columns' in the 'Plant Explorer Settings' Workplace Profile Value is changed to only the columns 'Aspect Category Name', 'Description', 'Inherited' and 'Modification Time'. 800xASYS-OL-5102-040	This problem has been corrected. The columns are set back to original as 'Aspect Category Name', 'Aspect Version', 'Description', 'Inherited', 'Modified Name' and 'Modification Time'.
A request for data from Trend Display that leads to a very large number of samples may cause the Basic History service to crash due to running out of memory. 800xASYS-OL-5110-068 800xASYS-OL-5102-035	This problem has been corrected.
Some Faceplates have an Alarm Control showing the alarm status for the object. When accessing the context menu of the Alarm Control in an overlapped Faceplate there is a risk that a mouse click is transferred to an underlying PG2 Display or Faceplate. If the underlying display has a control that reacts on mouse click and is positioned directly under the context menu, the control can be activated. This problem was introduced in 5.1 RevD and 5.1 FP4. 800xASYS-OL-5140-050	This problem has been corrected.

Table 9. Operational Issues (Continued)

Issue	Correction or Fix
Sometimes the tabs in the Tabbed Workplace are not created correctly when the alarm state of the configured objects is 'AlarmInactiveShelved', 'AlarmActiveShelved' or 'AlarmDisabled'. 800xASYS-OL-5130-025	This problem has been corrected.
Long object names are not fully visible in the bread crumb list (drop downs) below the tabs in Tabbed Workplace. 800xASYS-OL-5130-026	The bread crumbs (drop down) will auto adjust to show the complete name as tabs do with respect to the MinWidth & MaxWidth configuration specified in the Tab Appearance. The same configuration for MinWidth & MaxWidth configuration specified in the Tab Appearance will be used to show the bread crumbs (drop down) too.
When Trace current value property of PG2 Trend Primitive is configured with an expression written with if else condition, the expression is not evaluated correctly leading to a wrong trace to be plotted. 800xASYS-OL-5105-003	This problem has been corrected.

Administration

lists the major system or product Administration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 10. Administration Issues

Issue	Correction or Fix
System Engineers are not allowed to log on locally on combined Domain Controller/Aspect Server. 800xASYS-AD-5100-006	User documentation has been updated with this information.

Instruction Manual Changes

Table 11 lists the issues that exist in the instruction manuals that have not been corrected since the previous version. A brief description of the correction has also been given wherever possible.

Table 11. Instruction Manual Changes

Issue	Correction or Fix
Instructions on how to configure 800xA Basic History logging needs to be improved. 800xASYS-MC-5023-034	This problem has been corrected.User documentation has been improved.
Renaming the root Favorite folder can cause errors when launching Aspect context menu. 800xASYS-MC-5110-001	This problem has been corrected.User documentation has been improved.
PG2 Displays containing a large number of PG2 trend primitives will cause high CPU usage on the workplace application. This problem was introduced in 5.1 RevA. 800xASYS-MC-5101-002	This problem has been corrected.

Miscellaneous

Table 12 list the problems or issues major system or product operational issues that have been corrected since the previous version or service pack and do not fit into one of the other categories. A brief description of the correction has also been given wherever possible.

Table 12. Miscellaneous Changes

Issue	Correction or Fix
Operator Workplace client and remote client licenses are not counted correctly. 800xASYS-MS-5140-001	This problem has been corrected.

Section 4 System Services

This section details the problems for System Services that are resolved in the 800xA 6.0 release.

Central Licensing System

Resolved in 800xA 6.0.1

Table 13. Resolved Issues

Issue	Correction or Fix
Wrong calculation of tag exceptions for 800xA for Advant Master MB300 DAT objects. 800xASRV-OL-5160-001	The license counting for 800xA for Advant Master MB300 DAT tags is corrected to also consider the availability of faceplates on MB300 DAT objects. A result of this correction is that systems using MB300 DAT objects without faceplate will observe that more tags are consumed after update to this system revision. This means that the license for tags may be exceeded and thereby not granted.
If an 800xA system was created with name containing special characters like & ‘ampersand’, then the temporary license message popped up. 800xASRV-OL-5100-009	This problem has been corrected.

Resolved in 800xA 6.0

Operations

Table 14 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

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Table 14. Resolved Issues - Operational Issues

Issue	Correction or Fix
The Licensing software fails to disable **Logging** feature for ABB License website located under default websites in Internet Information Services (IIS) Manger. As a result, the *%SystemDrive%\inetpub\logs\LogFiles\W3SVC1* folder may completely fill the disk on CLS server over a period of time. The Aspect Server running in the CLS Server may not respond; redundant Aspect Severs may stop responding too. Sometimes, all clients will be rendered non-operational in case of 800xA systems. However, this is not an issue on CLS Standalone installation. In case of non-800xA product line, CLS Server become non-operational, this may impact rest of the nodes. 800xASRV-OL-5100-006	This problem has been corrected.
Selecting Available IDs under Machine IDs without creating system causes ABB License Entry tool to crash. Additionally, the Available IDs are not displayed. 800xASRV-OL-5140-008	This problem has been corrected.

Section 5 Engineering Studio

This section details the problems for Engineering Studio that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0.1

Operation

Table 16, Table 17, Table 18 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 14. Function Designer Operational Issues

Issue	Correction or Fix
If a child instance of any function block type is selected during the Change Type operation, the Engineering Workplace doesnot respond when this diagram is opened next time. For example, this behavior occurs if a child instance under any function block type is selected during the Change Type operation of a particular function block which is a Symbol Object. 800xAENS-OL-5100-019	This problem has been corrected.
In some instances, while subscribing live data in the Function Diagrams, navigating from sender to receiver diagram and performing graphical changes by selecting group of objects leads the system to stop responding. 800xAENS-OL-5100-004	This problem has been corrected.

Table 14. Function Designer Operational Issues (Continued)

Issue	Correction or Fix
Function Diagrams linked through diagram references and opened in workbook mode may have the following issues. **Scenario 1**: 1.Select either **Subscribe for Live Data for Connected Output Ports** or **Subscribe for Live Data Output Ports** for a Function Diagram. 2. Double-click and select the Diagram in the next tab and select either **Subscribe for Live Data for Connected Output Ports** or **Subscribe for Live Data Output Ports**. The values are not displayed for the current Function Diagram. **Scenario 2**: Select either **Subscribe for Live Data for Connected Output Ports** or **Subscribe for Live Data Output Ports** for any page of a Function Diagram where the source page connector is available. The color indication for the Boolean values is visible in the sink page connector though that specific page is not subscribed by the user. **Scenario 3**: Select **Subscribe for Live Data for Connected Output Ports** for the Function Diagram. The color indication for the inout ports of the Boolean datatype is not correctly displayed based on the value transferred between the ports. 800xAENS-OL-5100-018	This problem has been corrected.

Table 14. Function Designer Operational Issues (Continued)

Issue	Correction or Fix
When a Function Setting **ConfigDataForSFC** is set as **true**, on performing Configuration Data Generation, **SFCXRefDataMapper** aspect is created for all diagrams by default. 800xAENS-OL-5101-016	This problem has been corrected.
Opening and closing of Function Diagrams results in memory leak. This memory leak accumulates, and working on Function Diagrams for an prolonged duration may lead to suspension of the workplace. 800xAENS-OL-5105-021	This problem has been corrected.
On opening BDM templates/sheets in Microsoft Excel 2013, BDM toolbar stops functioning. Technical Description ID: 9ARD134783-207 800xAENS-OL-5104-036	This problem has been corrected.
In some rare instances, Function Designer online values are not displayed on diagram references in child diagrams. 800xAENS-OL-5024-020	This problem has been corrected.
In some instances, Function Designer and Control Builder M stop responding during configuration data generation when Control Builder M is online. 800xAENS-OL-5100-016	This problem has been corrected.

Table 14. Function Designer Operational Issues (Continued)

Issue	Correction or Fix
The print of Sequence Overview Diagram with large sequences (typically exceeding 20 steps and transitions), may display very small steps and transitions which may not be readable. 800xAENS-OL-5105-022	This problem has been corrected.
Variables used in Function Diagrams have case sensitive port names. During a system update or upgrade, connections to ports of a variable are lost if there is a case change in any of the port names. 800xAENS-OL-6000-007	This problem has been corrected.
Following issues are observed while editing the text box/label in a Function Diagram: • A blue background is seen in the text area, and when the user starts entering the text, the text is not visible. It is visible only after the *Enter* key is pressed. • When a language pack is used and some text is entered, a big preview appears making it difficult to edit the text. 800xAENS-OL-5103-001	This problem has been corrected.
In rare cases, yellow references of Diagram References are missing in Function Diagrams. 800xAENS-OL-5025-007	This problem has been corrected.

Table 14. Function Designer Operational Issues (Continued)

Issue	Correction or Fix
On printing several thousands of Function Diagrams under a parent object in Functional/Control Structure, the print terminates with the following error message: `Insufficient Memory` 800xAENS-OL-5104-012	This problem has been corrected.
Changes in connected parameters of Function Blocks or Control modules in a Function Diagram, that are done from Bulk Data Manager using **Application Engineer** role, may not be updated when the same Function Diagram is opened by a user with **Operator** role. 800xAENS-OL-5022-021	This problem has been corrected.
PT 100:-40 is unavailable in the Sensor Type property of CBM_AIS, which is allocated to AI893 TC module under CI854, with one of the following Communication Interfaces: • CI840 • CI830 • CI801 800xAENS-OL-5140-012	This problem has been corrected.

Table 14. Function Designer Operational Issues (Continued)

Issue	Correction or Fix
Opening and closing of Function Diagrams results in memory leak. This memory leak accumulates, and working on Function Diagrams for an prolonged duration may lead to suspension of the workplace. 800xAENS-OL-5105-021	Memory leak has been minimized.
Valid pin of a Communication Variable, used in an SCM based Function Diagram does not update correct status of Inter Application/Controller Communication. 800xAENS-OL-5105-028	This problem has been corrected. After applying the correction, perform “Generate Configuration Data (Full Build)” for existing Function Diagrams which have Communication Variables with Valid pin connected.
In rare cases, the Workplace closes abruptly while using the copy/paste functionality to copy components from one diagram to another. 800xAENS-OL-5140-013	This problem has been corrected.
In some instances, the Engineering Workplace closes abruptly while opening or working on Function Diagrams. 800xAENS-OL-5024-029	This problem has been corrected.

Table 14. Function Designer Operational Issues (Continued)

Issue	Correction or Fix
In some rare instances, right-click on **Function Aspect** of a Function Diagram and navigating to **Aspect Info** tab under **Details** menu may cause the workplace to stop responding. 800xAENS-OL-5024-025	This problem has been corrected.
If the 800xA System Maintenance back-up includes Parameter Manager aspects such as '**CBM_SignalParameter**' and if any parameter value includes quotes ', then there will be transaction errors during restore. 800xAENS-OL-5024-030	This problem has been corrected.

Table 15. Bulk Data Manager, Operational Issues

Issue	Correction or Fix
On opening BDM templates/sheets in Microsoft Excel 2013, BDM toolbar stops functioning. Technical Description ID: 9ARD134783-207 800xAENS-OL-5104-036	This problem has been corrected.

Instruction Manual Changes

Table 19 lists the major system or product issues that have been corrected and updated in the user manual since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 16. Instruction Manual Issues

Issue	Correction or Fix
IO Allocation fails for profibus modules whose names match reserved keywords such as AI, DI, DP, AO, DO, etc. 800xAENS-MC-5104-004	This has been updated in the user manual. Refer to the *Prerequisite for PROFIBUS Module Naming* section in *System 800xA Engineering Studio (3BDS011223*).*
For Extensible Parameters, only "*?*" or " *" is displayed if the user selects the following option : "Subscribe for live data for connected output Ports". 800xAENS-MC-5105-002	This has been updated in the user manual. The following information has been added: *Subscribe for Live Data is. not supported for Extensible Parameters*. Refer to *System 800xA Engineering Studio Function Designer (3BDS011224*).*
Information on BDM Formula to be updated. 800xAENS-MC-5105-005	This has been updated in the user manual. Refer to the *Using Formulas Within a Data Area* section in *System 800xA Engineering Studio (3BDS011223*).*

Resolved in 800xA 6.0

Operation

Table 16, Table 17, Table 18 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 16. Function Designer Operational Issues

Issue	Correction or Fix
SFC Viewer aspect of a Function Diagram, based on Single Control Modules with a sequence, gets deleted and re-created on generating the Configuration Data. 800xAENS-OL-5024-027	This problem has been corrected. This correction is not applicable for generating the Configuration Data by “Generate Configuration Data (Full Build)”.
The “4..20mA, <2mA” item is not available in Signal Range drop-down list of CBM_SignalParameter aspect for AI815 module of S800IOModulebusHwLib. 800xAENS-OL-5024-028	This problem has been corrected.
If a Function Diagram or its child object is modified, which is having more than one Function Structure Aspect, then the traffic light status does not change. 800xAENS-OL-5105-014	This problem has been corrected.
If the transition of a sequence based Function Diagram included Diagram Input Parameters having more than one connection then generation of Configuration Data results in an error. 800xAENS-OL-5103-015	This problem has been corrected.

Table 16. Function Designer Operational Issues (Continued)

Issue	Correction or Fix
Forcing a Control Builder M signal in a Function Diagram is not possible if the Control Builder M signal name contains hyphen (-) in it. 800xAENS-OL-5104-008	This problem has been corrected.
In some instances, allocation of CBM signal of Function Diagram to controller and/or on generating Configuration Data, may result in the following warning message: `Application "XXXX" is not connected to any controller, Transaction committed.` 800xAENS-OL-5104-030	This problem has been corrected. Warning messages have been minimized.
User cannot change or repair Engineering Studio through **Add or Remove Programs**. 800xAENS-OL-5100-012	This problem has been corrected.
Flipping through many Function Diagrams through the Preview pane of Engineering Workplace causes the Engineering Workplace to stop responding. 800xAENS-OL-5100-023	This problem has been corrected.

Table 16. Function Designer Operational Issues (Continued)

Issue	Correction or Fix
Graphical changes in a Function Diagram such as change in connected parameter, routing changes and so on, that are done from one 800xA node, may not be updated when the same Function Diagram is opened on another 800xA node through the Function Aspect of it's child object. 800xAENS-OL-5104-032	This problem has been corrected.
On using Paste Rename functionality for the Function Diagrams having diagram references with property “Keep connection to the source”, Engineering Workplace may stop responding. 800xAENS-OL-5104-034	This problem has been corrected.
In some instances, on opening Function Diagrams with page connectors, Engineering Workplace may stop responding. 800xAENS-OL-5105-004	This problem has been corrected.
Opening of Function Diagrams is slow if there are multiple Function Settings aspects in the Aspect System. 800xAENS-OL-5105-005	This problem has been corrected. On opening Function Diagrams only Function Settings aspect available by default in Object Type structure is read.
User is not warned if a constant of wrong exponential format is connected to a port of datatype real. 800xAENS-OL-5105-015	This problem has been corrected.

Table 16. Function Designer Operational Issues (Continued)

Issue	Correction or Fix
In a Function Diagram, when components are copy-pasted from one page to another, in rare cases the workplace closes abruptly. 800xAENS-OL-5105-007	This problem has been corrected.
If a Function Diagram or its child object, which is having more than one Function Structure Aspect is modified, then the traffic light status does not change. 800xAENS-OL-5105-014	This problem has been corrected.
In a Function Diagram, if a connection link is made between an output port of a block and an input port of another block having lower dataflow order, than the block with the output, a respective link variable is created and the variable attribute value is set to ***nosort***. As a result values are not retained for such link variables during the warm download 800xAENS-OL-5105-019	This problem has been corrected. **Nosort retain** attribute is assigned to feedback links.

Table 17. Bulk SPL Operational Issues

Issue	Correction or Fix
Reference variables in the Function Diagrams, created using Bulk SPL template, may go beyond the template limit if the number of reference variables are more. This is due to references position going beyond the template size. 800xAENS-OL-5130-001	This problem has been corrected.

Table 18. IO Allocation Operational Issues

Issue	Correction or Fix
Allocation of HART signal to S900 IO-card fails with following error message: *"Some channels and signal types do not fit."* 800xAENS-OL-5103-007	This problem has been corrected.

Issue	Correction or Fix
IO Allocation of DP910 FI2P and DP910 FI2F (S900) IO boards is not possible using IO Allocation tool. This is due to mis-match of datatype and number of channels in the board. 800xAENS-OL-5104-024	This problem has been corrected.
Allocation of multiple pulse signals to DP910*(F12 P) and DP910*(F12 F) cards performing Write Allocation into CBM, results in errors. 800xAENS-OL-5105-012	The problem has been corrected for DP910*(F12 F) card. Since the channel addressing is not continuous in DP910*(F12 P) card, multiple pulse signals cannot be allocated. This information has been updated in the user document.

Instruction Manual Changes

Table 19 lists the major system or product issues that have been corrected and updated in the user manual since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 19. Instruction Manual Issues

Issue	Correction or Fix
During a system update, performing the Generate Configuration Data for Function Diagrams, with Function Setting **ConnectLibsOnGenerateConfigData** set to "True", results in reconnecting old versions of Control Builder libraries instead of the new version. 800xAENS-MC-5104-001	This has been updated in the user manual. Upgrade manual has been updated with the information to set the Function Setting **ConnectLibsOnGenerateConfigData** to False during update. After the update, Function Setting can be set to True.
On copy-paste of a Sequence/Sequence2D with multiple steps/transitions connected to single transition/step, makes one or more connection links red and results in an error. 800xAENS-MC-5104-008	This has been updated in the user manual. Close and open the Function Diagram (or) delete the red colored connection link and re-connect manually.
The information under **Create Differences** topic in the *System 800xA, Engineering Studio Function Designer (3BDS011224*)* is incorrect. 800xAENS-MC-5105-001	The corrected information has been updated in the user manual.
Trend data is not copied to Microsoft Excel on an 800xA node where Engineering Studio is installed, if the Excel sheet was opened after performing copy operation in the Trend Display. 800xAENS-MC-5105-003	If Engineering Studio is installed on an 800xA node, then before copying trend data ensure that the Excel sheet is open. This information has been updated in the Operations user document.

Section 6 800xA for AC 800M

This section details the problems for AC 800M that are resolved in the 800xA 6.0.2 release.

Resolved in 800xA 6.0.2 section lists issues present in the 6.0.0 version.

Resolved in 800xA 6.0.0 - Common Corrections section lists the issues present in both 800xA 5.1 Rev D and 800xA 5.1 FP4 Rev D.

Resolved in 800xA 6.0.0 from 800xA 5.1 and Resolved in 800xA 6.0.0 from 800xA 5.1 Feature Pack lists the additional issues that existed in either 800xA 5.1 Rev D or 800xA 5.1 FP4 Rev D.

Changes to Firmware Functions in 800xA 6.0.2

No changes in firmware functions since version 6.0.0.

Changes to IEC 61131 Standard Libraries in 800xA 6.0.2

Table 20 gives short description of relevant IEC 61131 library changes in system version 6.0.2 that might affect the application compatibility when upgrading.

Table 20. Application Library changes

Library	Version	Description
AlarmEventLib	1.7-2	Minor change in all Control Builder Interaction Windows.
BasicGraphicLib	1.4-2	Minor change in all Control Builder Interaction Windows.

Table 20. Application Library changes

Library	Version	Description
BasicLib	1.8-5	Forward Range not available in the first scan. (CCOutputGate) 800xACON-OL-3100-005
		Minor change in all Control Builder Interaction Windows.
		Minor internal change (CCInputGate and CCOutputGate)
BatchLib	1.4-2	Minor change in all Control Builder Interaction Windows.
BurnerLib	1.1-2	Changes since version 1.0-3 released in version 5.1 Feature Pack 4 Revision E
		The alarm handling is improved so that the alarm with the highest severity is shown rather than the first alarm that occurred. (RealIn2oo3)
		A new optional out-parameter (Running) has been added to indicate that Tightness Test is in progress. (TightnessTest)
		Alarm messages for faulty signals now show which of the three input signals that caused the fault and alarm messages for signals in error show which two of the three input signals that caused the error. (RealIn2oo3)
		Erroneous Order to Open PilotValve was Set during Application Reconfiguration. (Burner) 800xACON-CN-5112-001
		Parameter Running and CleaningDone was reset during Application Reconfiguration. (Burner, ComplementIn, Lambda, RealIn2oo3 and TightnessTest) 800xACON-CN-5113-001

Table 20. Application Library changes

Library	Version	Description
ControlAdvancedLib	1.6-4	Errors has been corrected in the autotuner function algorithm, both for the step and relay response type. (PidAdvancedCC) 800xACON-CN-3100-004

Table 20. Application Library changes

Library	Version	Description
		It is now possible to connect the StictionComp port on AnalogOutCC with the corresponding port on the StictionCompensator control module in the Diagram editor. (StictionCompensator) 800xACON-CN-5100-095
		PID controller warnings has been added to the PPA faceplates for the different controller types. (PidAdvancedCC) 800xACON-CN-5100-096
		Missing graphical warning if derivative filter time was set too low. (PidCC and PidAdvancedCC) 800xACON-CN-5110-067
		Forcing of In2 signal of the DecoupleFilterCC control module type did not affect the status of the outputs. (DecoupleFilterCC) 800xACON-OL-5000-097
		The PidAdvancedCC control module type did send wrong backtracking values in the ExternalGSref parameter. (PidAdvancedCC) 800xACON-OL-5112-003
		The PidAdvancedCC control module type did under some circumstances send the wrong backward value to the SP parameter. (PidAdvancedCC) 800xACON-OL-5112-004
		Using Feed Forward in a PID-object in External Reset Feedback (ERF) mode did not result in the correct output value. (PidAdvancedCC) 800xACON-OL-5141-002

Table 20. Application Library changes

Library	Version	Description
		PidAdvancedCC Output value could not be changed in PPA face plate for user with operator privileges. (PidAdvancedCC) This problem was only present if using 5.1.1-2 Library Update. 800xACON-OL-5141-004
		Minor change in all Control Builder Interaction Windows.
ControlBasicLib	1.4-3	Errors has been corrected in the autotuner function algorithm, both for the step and relay response type. (PidLoop, PidCascadeLoop, PidLoop3P and PidCascadeLoop3P) 800xACON-CN-3100-004
		PID controller warnings has been added to the PPA faceplates for the different controller types. (PidLoop, PidCascadeLoop, PidLoop3P and PidCascadeLoop3P) 800xACON-CN-5100-096
		The actuator could stop in an incorrect position when using PidLoop3P, and PidCascadeLoop3P function block types. (PidLoop3P and PidCascadeLoop3P) 800xACON-OL-5142-001
		Minor change in all Control Builder Interaction Windows.
ControlExtendedLib	1.5-2	Minor change in all Control Builder Interaction Windows.

Table 20. Application Library changes

Library	Version	Description
ControlFuzzyLib	1.5-2	PID controller warnings has been added to the PPA faceplates for the different controller types. (Fuzzy controller) 800xACON-CN-5100-096
		Minor change in all Control Builder Interaction Windows.
ControlObjectLib	1.4-2	Minor change in all Control Builder Interaction Windows.
ControlSimpleLib	1.4-2	Minor change in all Control Builder Interaction Windows.

Table 20. Application Library changes

Library	Version	Description
ControlStandardLib	1.6-8	Errors has been corrected in the autotuner function algorithm, both for the step and relay response type. (PidCC) 800xACON-CN-3100-004
		PID controller warnings has been added to the PPA faceplates for the different controller types. (PidCC) 800xACON-CN-5100-096
		Missing graphical warning if derivative filter time was set too low. (PidCC and PidAdvancedCC) 800xACON-CN-5110-067
		Forward Range not available in the first scan. (AnalogInCC) 800xACON-OL-3100-005
		The SplitRangeCC control module returned an incorrect back value to the preceding modules in case both its outputs are in backtracking mode. (SplitRangeCC) 800xACON-OL-5100-120
		The CommonRangeCC control module type did calculate the backward Control Connection value incorrectly. (CommonRangeCC) 800xACON-OL-5102-006
		The PulseWidthCC control module type was not going into Backtracking mode when an IO was forced. (PulseWidthCC) 800xACON-OL-5102-007
		The RealToCC control module type did not handle the status codes for the in parameter Status correctly. (RealToCC) 800xACON-OL-5102-008

Table 20. Application Library changes

Library	Version	Description
		If using PID Controller in ERF mode a warm re-configuration causes a bump in backwards value in the passive input. (MaxCC, Max4CC, MinCC and Min4CC) This problem was only present if using 5.1.1-2 Library Update or 6.0. 800xACON-OL-5110-038
		If using control module SplitRangeCC with PID Controller in ERF mode the back value in some situations was not correct. (SplitRangeCC) This problem was only present if using 5.1.1-2 Library Update or 6.0 800xACON-OL-5110-040
		The BranchCC and Branch4CC control module types did under some circumstances send the wrong backtracking values. (BranchCC and Branch4CC) 800xACON-OL-5140-018
		Using Feed Forward in a PID-object in External Reset Feedback (ERF) mode did not result in the correct output value. (PidCC) 800xACON-OL-5141-002
		PidCC Output value could not be changed in PPA face plate for user with operator privileges. (PidCC) This problem was only present if using 5.1.1-2 Library Update. 800xACON-OL-5141-004

Table 20. Application Library changes

Library	Version	Description
		The actuator could stop in an incorrect position when using the ThreePosCC control module type. (ThreePosCC) 800xACON-OL-5142-001
		Minor change in all Control Builder Interaction Windows.
ControlSupportLib	1.5-9	Errors has been corrected in the autotuner function algorithm, both for the step and relay response type. 800xACON-CN-3100-004
		The actuator could stop in an incorrect position when using the PidLoop3P and PidCascadeLoop3P control module types. 800xACON-OL-5142-001
		Minor change in all Control Builder Interaction Windows.
FFHSECommLib	1.5-2	Minor change in all Control Builder Interaction Windows.
FireGasLib	2.6-2	Minor change in all Control Builder Interaction Windows.
GroupStartLib	1.6-2	Minor change in all Control Builder Interaction Windows.
MMSCommLib	1.5-3	Control modules MMSToCC and CCToMMS was not working correctly in backward direction. (MMSToCC and CCToMMS) 800xACON-OL-4100-056
		Minor change in all Control Builder Interaction Windows.

Table 20. Application Library changes

Library	Version	Description
ModbusCommlib	1.5-4	New function block "MBConnectR" added, supporting line redundancy for MODBUS RTU slave communication.
ModbusTCPCommLib	1.4-2	The Valid output parameter of the MBTCPReadCyc function block was toggling each time a new request was made as per the configured CycleTime parameter. (MBTCPReadCyc) 800xACON-OL-5025-002
ProcessObjBasicLib	2.6-4	An extra stop order was given to an already stopped object at warm download. (UniSimple, BiSimple, UniSimpleM, BiSimpleM) 800xACON-OL-5000-096
		Priority Command input possible even if the object was set to Out Of Service mode. (UniSimple, BiSimple, UniSimpleM, BiSimpleM) 800xACON-OL-5100-101
		Minor change in all Control Builder Interaction Windows.
ProcessObjDriveLib	1.6-3	Minor change in all Control Builder Interaction Windows.
ProcessObjExtLib	2.6-3	An extra stop order was given to an already stopped object at warm download. (Uni, Bi, ValveUni, MotorUni, MotorBi, MotorValve, UniM, BiM, ValveUniM, MotorUniM, MotorBiM, MotorValveM) 800xACON-OL-5000-096

Table 20. Application Library changes

Library	Version	Description
		Priority Command input possible even if the object was set to Out Of Service mode. (Uni, Bi, ValveUni, MotorUni, MotorBi, MotorValve, UniM, BiM, ValveUniM, MotorUniM, MotorBiM, MotorValveM) 800xACON-OL-5100-101
		If both Opened and Close feedback signals was set no ObjectError was given for MotorValve. (MotorValve and MotorValveM) 800xACON-OL-5140-014
		Minor change in all Control Builder Interaction Windows.
ProcessObjInsumLib	1.6-2	Minor change in all Control Builder Interaction Windows.
S3964CommLib	1.5-2	The 'Valid' parameter on the S3964 ReadCyclic function block was not stable. (S3964RReadCyc) 800xACON-OL-5100-115
SignalBasicLib	1.3-2	Minor change in all Control Builder Interaction Windows.

Table 20. Application Library changes

Library	Version	Description
SignalLib	1.8-8	The SignalInRealM and SignalSimpleInRealM control module types did under some circumstances not set the output ParError. (SignalInRealM and SignalSimpleInRealM) 800xACON-CN-5020-099
		The VotedBranch4 control module type did send the wrong Forward.CmdNumber in the Out2 parameter. (VotedBranch4) 800xACON-OL-3100-006
		The output from the Vote control modules was delayed one scan if no delay time was configured. (Vote1oo1Q, VoteXoo2D, VoteXoo3Q and VoteXoo8) 800xACON-OL-5020-079
		Status from control module SignalRealCalcOutM remained as uncertain also after predetermined value of the signal was reached. (SignalRealCalcInM and SignalRealCalcOutM) 800xACON-OL-5100-126
		Minor change in all Control Builder Interaction Windows.
SignalSupportLib	1.3-2	Minor change in all Control Builder Interaction Windows.
SupervisionBasicLib	1.3-2	Minor change in all Control Builder Interaction Windows.
SupervisionLib	2.7-2	Minor change in all Control Builder Interaction Windows.

Changes to IEC 61131 Standard Libraries in 800xA 6.0.0

Short description of relevant IEC 61131 library changes in system version 6.0.0 that might affect the application compatibility when upgrading.

Table 21. Application Library changes

Library	Version	Description
AlarmEventLib	1.7-1	Data type and control module description not shown in lower pane of project explorer window Description of the few data types was not shown in the lower pane of the project explorer window. 800xACON-CN-5100-068

Table 21. Application Library changes

Library	Version	Description
BasicLib	1.8-2	Data type and control module description not shown in lower pane of project explorer window. Description of the few data types was not shown in the lower pane of the project explorer window 800xACON-CN-5100-068
		ParError for Control Module CCInputGate and CCOutputGate might not be set in special cases. For CCInputGate the problem could occur if both Backward.UpperLimitActive and Backward.LowerLimitActive are set at the same time. 800xACON-OL-5000-094
		Range Check (ParError) for Control Modules CCInputGate and CCOutputGate in SIL Applications Not Automatically Activated A problem has been found with BasicLib support control modules CCInputGate and CCOutput-Gate. The description of the EnableParError parameter indicates that the range check (ParError) is automatically active if the module is used in SIL applications which is not the case. This problem could occur if CCInputGate or CCOutputGate have been used in user specific module solutions. 800xACON-CN-5020-088

Table 21. Application Library changes

Library	Version	Description
ControlAdvancedLib	1.6-1	MinCC, Min4CC, MaxCC and Max4CC. An active PID connected to Max or Min module could now pass the passive input. It is also possible to set the tolerance to zero. 800xACON-OL-5140-004
		In control module PidAdvancedCC, the parameter ERF has changed name to EBV (External back value). The function is still the same if the EBV parameter is connected. When connected the EBV value is used instead of the backward value in the Control Connection in the controller output parameter.
		PidAdvancedCC have been enhanced to support controller types 'ClassicERF' and 'ClassicERF+D'. PidAdvancedCC has additionally been enhanced for controller type 'ABBERF' and 'ABBERF+D'.
ControlBasicLib	1.4-2	MinCC, Min4CC, MaxCC and Max4CC. An active PID connected to Max or Min module could now pass the passive input. It is also possible to set the tolerance to zero. 800xACON-OL-5140-004
		Master output goes to zero in function block PidCascadeLoop and PidCascadeLoop3P When the master controller came to the limitation MaxReached at 100% the master output was set to zero and then started to ramp up. 800xACON-OL-5110-024
ControlFuzzyLib	1.5-1	Display Element Value in FuzzyController3CC was corrected
ControlObjectLib	1.4-1	Trend Signal Properties aspect updated

Table 21. Application Library changes

Library	Version	Description
ControlSimpleLib	1.4-1	Incorrect behavior of VelocityLimiterReal when using negative Values VelocityLimiterReal function did not correctly handled when one or more of the inputs OutIncLim, OutDecLim, TolPos or TolNeg had a negative value. 800xACON-OL-5020-065
ControlSolutionLib	1.4-1	VelocityLimiter removed in ControlSolutionLib VelocityLimiter is removed from all 5 examples in ControlSolutionLib since it is not needed, the PID should be configured to handle increase rate. 800xACON-CN-5020-086

Table 21. Application Library changes

Library	Version	Description
ControlStandardLib	1.6-3	Detection of limit values for analog output objects. The out-modules used in a control connection chain have got a different backwards signaling. Max- and Min-Reached are no longer set on Max and Min range but is set when the range is passed. This change affects the following modules: AnalogOutCC, SignalOutRealM, ThreePosCC, PulseWidthCC, SignalSimpleOutRealM, ACStdDriveM, DCStdDriveM and EngDriveM. 800xACON-OL-5100-105
		VelocityLimiterCC output freezes if disabled when backtracking While VelocityLimiterCC is backtracking and then when it is disabled, the Out.Forward.Value will no longer freeze but will continue to track backtracked value. The internal state (Out.Forward.Value) is used for value back instead of Out.Backward.Value. 800xACON-OL-5110-015
		Oscillating of the PID output when leaving Max reached/Min reached PIDCC and PidAdvancedCC, output does not oscillate when leaving Max-/Min-Reached. 800xACON-OL-5110-020
		MinCC, Min4CC, MaxCC and Max4CC. An active PID connected to Max or Min module could now pass the passive input. It is also possible to set the tolerance to zero. 800xACON-OL-5140-004

Table 21. Application Library changes

Library	Version	Description
		During windup mode, PidCC and PidAdvancedCC, sends back Pv in Sp.Backward.Value. A general condition for backtracking to the Sp input is that an upstream object exists that has a possibility to catch a backtracked value to an internal state, but also for an EFR controller algorithm to be able to work on that value. 800xACON-OL-5140-010
		PidCC and PidAdvancedCC with MaxReached set in Out.Backward not bump-less during download A bump on the output proportional to the Gain if the PID occurred when performing a re-configuration download and PidCC or PidAdvancedCC had MaxReached set in Out.Backward. 800xACON-AD-5110-015
		On control module PidCC, the parameter ERF has changed name to EBV (External back value). The function is still the same if the EBV parameter is connected. When connected the EBV value is used instead of the backward value in the Control Connection in the controller output parameter.
		PidCC have been enhanced to support controller types 'ClassicERF' and 'ClassicERF+D'. PidAdvancedCC has additionally been enhanced for controller type 'ABBERF' and 'ABBERF+D'.
		TapCC and TapRealCC - A new node is added where the backward information is transferred in the forward direction. The addition is completely compatible with the present object. Backtracking to the new node is never possible.

Table 21. Application Library changes

Library	Version	Description
		RealToCC - A parameter *UseBackwardRange* has been added to make the selection to use the backward range as the forward one. The initial value follows the original functionality.
		BranchCC and Branch4CC - A parameter Mode has been added to make the selection in backtracking strategy. The initial value follows the original functionality.
		Control Module ThreePosCC range bounce causes temporary invalid output signal.If no position feedback signal is used and the input signal to the module reaches the boundary for the signal range and then returns; the digital output wil be invalid until the signal stabilizes (after internal ramp-up). 800xACON-OL-5000-093

Table 21. Application Library changes

Library	Version	Description
ControlSupportLib	1.5-5	MinCC, Min4CC, MaxCC and Max4CC. An active PID connected to Max or Min module could now pass the passive input. It is also possible to set the tolerance to zero. 800xACON-OL-5140-004
		Master output goes to zero in function block PidCascadeLoop and PidCascadeLoop3P When the master controller came to the limitation MaxReached at 100% the master output was set to zero and then started to ramp up. 800xACON-OL-5110-024
		PidCC and PidAdvancedCC with MaxReached set in Out.Backward not bump-less during download A bump on the output proportional to the Gain if the PID occurred when performing a reconfiguration download and PidCC or PidAdvancedCC had MaxReached set in Out.Backward. 800xACON-AD-5110-015
GraphicSupportLib	1.3-0	Alarm & Event lists not available from faceplates When a language pack was installed, navigation from AC 800M faceplates to alarm and event lists did not work. 800xACON-OL-5100-110
		Trend Signal Properties aspect updated
ControlExtendedLib	1.5-1	Trend Signal Properties aspect updated
FFHSECommLib	1.5-1	Trend Signal Properties aspect updated

Table 21. Application Library changes

Library	Version	Description
INSUMCommLib	1.4-1	INSUM Receive FB showed Error Code-19 INSUM Receive function blocks showed error code -19 after a re-configuration download of the application. 800xACON-CN-5020-078
MMSCommLib	1.5.1	The maximum communication Timeout for MMSReadHI control module has been extended from 10 to 30 seconds.
ProcessObjBasicLib	2.6-3	IEDCommandSend: FB is not sending Direct Mode Close command properly IEDCommandSend Function block did not send proper Commands to IED for controlling Control Breaker in Direct Mode Operation. 800xACON-CN-5110-017
ProcessObjDriveLib	1.6-2	Detection of limit values for analog output objects. The out-modules used in a control connection chain have got a different backwards signaling. Max- and Min-Reached are no longer set on Max and Min range but is set when the range is passed. This change affects the following modules: ACStdDriveM, DCStdDriveM and EngDriveM. 800xACON-OL-5100-105
		Missing reset button The faceplate and interaction window for the drives object (ACStdDriveM, ACStdDrive, DCStdDriveM, DCStdDrive, EngDriveM and EngDrive) was missing a reset button. When the motor had been set in Priority mode, it could only be reset by the AlarmsAck parameter. 800xACON-OL-5100-104

Table 21. Application Library changes

Library	Version	Description
ProcessObjExtLib	2.6-1	NLS texts for MotorValveM and MotorValve updated to be consistent. 800xACON-OL-5100-104
SignalBasicLib	1.3-1	Trend Signal Properties aspect updated
SignalLib	1.8-2	Detection of limit values for analog output objects. The out-modules used in a control connection chain have got a different backwards signaling. Max- and Min-Reached are no longer set on Max and Min range but is set when the range is passed. This change affects the following module: SignalSimpleOutRealM 800xACON-OL-5100-105
		Function blocks SignalSimpleInReal and SignalInReal using OSP value when warning is active. The value on parameter In was not passed to parameter Out for function blocks SignalInReal and SignalSimpleInReal when warning was active, instead OSP value was used. If OSP was configured as pass through the function was correct, but for other settings the OSP value was activated already when warning became active. 800xACON-OL-5101-024
		Wrong property parameter Min Range for SignalOutRealM. In the aspect Trend Signal Properties, the parameter Out.Value had wrong property in the box Min Range. 800xACON-CN-5020-067
		Trend Signal Properties aspect updated

Table 21. Application Library changes

Library	Version	Description
SupervisionBasicLib	1.3-1	Alarm coloring in Trend Displays and Trim Curves updated.
SupervisionLib	2.7-1	DetectorLoopMonitored, no alarm from single scan fault. The DetectorLoopMonitored control module type (SupervisionLib) handled fault conditions of short duration incorrectly. If a fault condition (e.g., cable break or short circuit) was active for only one scan, the module would internally latch the fault, but there would be no alarm generated or presented. 800xACON-OL-5020-062
TCPCommLib	1.2-1	Library could not be inserted in system with other language than English 800xACON-IN-5110-001
		TCPRead did not always return all bytes to read. The TCPRead block in TCPCommLib has been corrected and now stays in pending state until the requested number of bytes has been returned. 800xACON-OL-5110-027
		The TCPRead Function Block has been improved by adding two new parameters: • The RdOffset is an input parameter that defines an index in the receivestructure where the data should be put. • The NoOfBytesLeft is an output parameter showing the number of bytes left in the buffer to be read.
UDPCommLib	1.2-1	Library could not be inserted in system with other language than English 800xACON-IN-5110-001

Resolved in 800xA 6.0.2

Administration

Table 22 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 22. Resolved in 800xA 6.0.2 - Administration Issues

Issue	Correction or Fix
Control Builder	
Problem at System Upgrade if "No" is Selected in Upgrade Dialog After a system upgrade, a project upgrade failed with an error message from the Control Builder "Open project xxx failed. Reason: Error upgrading source block. Automatic upgrade aborted." This happened if the user requested Open Project and then selected "No" in the Upgrade Project dialog, and then afterwards, without restarting the Control Builder, selected the same project and requested Upgrade Project. 800xACON-AD-5020-042	This problem has been corrected in Control Builder.
Import of Control Module Failed if Control Builder was Open Import of a single Control Module (in an afw-file) when the affected project was open in Control Builder was not successful in one special case. The changes in the imported file were not applied. 800xACON-AD-5100-046	This problem has been corrected in Control Builder.

Table 22. Resolved in 800xA 6.0.2 - Administration Issues

Issue	Correction or Fix
Control Builder Crash at Download due to Memory Leak When compiling Diagrams, especially with off-page connectors, allocated memory was not properly released. This eventually led to a Control Builder crash, which in turn could force a Cold Restart at the next download. 800xACON-AD-5100-048	This problem has been corrected in Control Builder.
Control Builder Crash when Going Offline On rare occasions, the Control Builder would encounter a runtime error when going offline, and display an "Assertion failed" message. After that, the Control Builder would crash. 800xACON-AD-5100-049	This problem has been corrected in Control Builder.
OPC Server	
AC 800M OPC Server got no Contact with Controllers when Network Switch is Restarted If restarting network equipment resulted in more than 21 controllers to reconnect to an already running OPC server this could block the OPC server connections. 800xACON-AD-5100-044	This problem has been corrected in OPC Server for AC 800M.
Controller	

Table 22. Resolved in 800xA 6.0.2 - Administration Issues

Issue	Correction or Fix
Redundant PM891 Fail to Restart after Power Fail If power fail occurred during synchronization of backup CPU the power fail recovery in some cases could fail for redundant PM891 controller. 800xACON-AD-5001-001	This problem has been corrected in the AC 800M Controller Firmware.
Webserver Password does not Accept Space Characters When changing the webserver password space characters were not accepted by the webserver although defined as supported. 800xACON-AD-6000-001	This problem has been corrected in the AC 800M Controller Firmware.
High Integrity	
Redundant PM865 Fail to Restart after Power Fail Redundant PM865 controller did not restart after power fail if primary SM81x was missing. 800xACON-AD-5020-044	This problem has been corrected in the AC 800M Controller Firmware.
Redundant HI Controller Shutdown when Primary SM81x is Hot-Removed after Coexistence Download The problem could occur during the process of controller firmware upgrade after coexistence download was made to redundant AC 800M HI controller. Controller could shut down if the primary SM81x was hot removed before upgrade was completed. 800xACON-AD-5020-046	This problem has been corrected in the AC 800M Controller Firmware.

Table 22. Resolved in 800xA 6.0.2 - Administration Issues

Issue	Correction or Fix
High Integrity Controller Fail to Restart after Power Fail A timing issue with 1131 program flow monitoring could in rare cases cause a power fail recovery to fail for High Integrity controllers. 800xACON-AD-5110-022	This problem has been corrected in the AC 800M Controller Firmware.
Redundant HI Controller Shutdown when one SM Fails or is Hot Inserted On rare occasions, a failing or hot-inserted SM could lead to a software exception on the PM. 800xACON-AD-5110-026	This problem has been corrected in the AC 800M Controller Firmware.
Redundant HI Controller Shutdown on SM Hot Insert On rare occasions, a hot insert of an SM could lead to a software exception on the PM. 800xACON-AD-6000-002	This problem has been corrected in the AC 800M Controller Firmware.
Communication	
Controller may Crash if Hot Swap of CI856(S100) during OLU A controller crash could occur during hot swap of CI856 module or during Online Upgrade in step 8 or during a reconfiguration download for CI856. 800xACON-AD-5100-050	This problem has been corrected in CI856S100HwLib in AC 800M Connect.

Table 22. Resolved in 800xA 6.0.2 - Administration Issues

Issue	Correction or Fix
Module on PROFINET does not Start Up after Hot Swap In rare cases it could happen that a module of a remote I/O did not start operating after hot swap. A parameter fault might be indicated. This was caused that after plugging the module not all module specific parameters were downloaded from CI871 to the device. This problem was only related to devices that split the parameters of a module into several parameter groups. 800xACON-AD-5100-051	This problem has been corrected in CI871PROFINETHwLib in AC 800M Connect.
Modbus TCP Communication through CI867 does not resume through default gateway when next hop gateway is dead A connection is established between the CI867 as master and external slave on another network. Communication goes through the default gateway as configured. When an ICMP redirect message is received from the default gateway, the CI867 correctly updates the next-hop gateway to the new gateway. However if the new gateway is dead, then the communication does not resume through the default gateway. 800xACON-AD-5110-016	This problem has been corrected in CI867ModbusTcpHwLib in AC 800M Connect.
High Integrity Controller with CI857(INSUM) Shutdown During Online Upgrade A High Integrity controller with CI857 INSUM could shutdown during online upgrade if the handover limit was set to 1000ms. 800xACON-AD-5110-020	This problem has been corrected in CI857INSUMHwLib in AC 800M Connect.

Table 22. Resolved in 800xA 6.0.2 - Administration Issues

Issue	Correction or Fix
Problem in Online Upgrade for CI857(INSUM) There could be problems with an CI857 during an online upgrade e.g. CI857 was going to fault mode or a rollback of CI857 was not possible. 800xACON-AD-5110-021	This problem has been corrected in CI857INSUMHwLib in AC 800M Connect.

Configuration

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Control Builder	
Creating a Control Module Type using the "Group" Command Fails If a new Control Module Type was created using the "Group" command in CMD Editor, and one or more of the selected elements were a Single Control Module, a pop-up "Error reading source code" would be displayed. The content of the new Control Module Type would be lost. 800xACON-CN-5000-106	This problem has been corrected in Control Builder.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
The "Go to Type" Command in Project Explorer could take very Long Time When a Control Module, Function Block, or Diagram is selected in the Project Explorer, there is a command to go to its type (in Project Explorer). For large projects, this could take several minutes and the Control Builder appeared to have hung. 800xACON-CN-5000-107	This problem has been corrected in the Control Builder.
Safety Shutdown when Writing to Min and Max Components of I/O data types in SIL3 Application Writing to the Parameter component of a RealIO variable (e.g. Min, Max) connected to an AI880 in a SIL3 application could lead to a safety shutdown of the controller. 800xACON-CN-5020-092 Product Bulletin: 3BSE081800D0003	A compiler check has been added in Control Builder. A warning is issued if the Parameters.Min or Parameters.Max components are written from SIL3.
Controller Shutdown during Download after Import of Updated Hardware Library The AC 800M controller could shut down at download if the configuration change affected a hardware unit whose hardware type had just been modified by importing the updated hardware library. The problem occurred if the channel structure of the hardware unit was changed, and if the Control Builder was not restarted before the re-configuration. 800xACON-CN-5020-093 Product Bulletin: 3BSE081800D0002	This problem has been corrected in Control Builder.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Controller Crash at Download of Illegal Hardware Definitions When downloading a hardware unit with an illegal hardware definition (HWD) file, the controller would crash. The root cause was that an illegal file was created in the Device Import Wizard - errors displayed in the Messages tab were ignored. 800xACON-CN-5020-097	This problem has been corrected in Control Builder. Illegal HWD files with the specific error "Offset larger than specified memory size" are rejected at import.
Control Builder Crash when Compiler Switch 'Multiple Calls' set to Error If the compiler switch "Multiple Calls" was set to Error for Global, the Control Builder would crash before download. 800xACON-CN-5020-101	This problem has been corrected in Control Builder.
Control Builder Crash when Tracing a sink of a Signal in FDB Editor When multiple sinks are found in the FBD editor, a dialog is opened for browsing multiple signal sinks. There was a problem when this dialog stayed while the user was performing interactions from e.g. Plant Explorer. This caused the Control Builder to crash. 800xACON-CN-5100-085	This problem has been corrected in Control Builder.
Control Builder crash when taking over reservation In some cases the Control Builder could crash when performing a take over operation of library reservation. 800xACON-CN-5100-088	This problem has been corrected in the Control Builder.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Libraries Shown in Wrong Order After switching to another project than the current and then switching back again, libraries were no longer displayed in the same order. 800xACON-CN-5100-090	This problem has been corrected in Control Builder.
Some Control Builder commands very slow after library modified from other Control Builder Some Control Builder commands, such as rename of a Control Module Type, could take very long time if a library in the project had been modified from another Control Builder. 800xACON-CN-5100-092	This problem has been corrected in Control Builder.
Control Builder crashed if double-click in Project Explorer during download The Control Builder might crash if the user double-clicked in the Project Explorer during a download. 800xACON-CN-5100-093	This problem has been corrected in Control Builder.
Problem Opening Diagram after Project Documentation Generation After generating project documentation of a diagram, it was not possible to open the diagram editor. The project had to be reopened before the diagram could be opened. 800xACON-CN-5100-094	This problem has been corrected in Control Builder.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Project Documentation of Diagrams Could Cause Control Builder Crash Project documentation of a diagram could in some cases cause the Control Builder to crash during generation. 800xACON-CN-5110-036	This problem has been corrected in Control Builder.
Paste Special with Comment Throws Exception in Diagram Editor Performing a Paste Special in the Diagram Editor caused a Control Builder crash if the copied elements included any comments. 800xACON-CN-5110-037	This problem has been corrected in Control Builder.
Control Builder Crash when Page Connector in Diagram was Missing Connection The Control Builder crashed when compiling the program and a page connector in a diagram was missing connection. 800xACON-CN-5110-042	This problem has been corrected in Control Builder by adding a compile error for the case when a PageConnector has no data connection.
Problems with Replace in Communication Variable When trying to search and replace a string in the name of a Communication Variable, the string would not be replaced. 800xACON-CN-5110-056	This problem has been corrected in Control Builder.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Control Builder Crash if Double Declaration of Data Type If a structured data type with the same name was declared both in a library and in the application, and then used e.g. on a Communication Variable, the Control Builder would crash. 800xACON-CN-5110-057	This problem has been corrected in Control Builder.
Problem with Bidirectional Communication Variables and Expected SIL If a bidirectional Communication Variable was passed from a higher-SIL to a lower-SIL application, the Control Builder incorrectly considered the higher to lower SIL communication as an error. 800xACON-CN-5110-058	This problem has been corrected in Control Builder.
Incorrect information in Unit Specific Alarm and Events Dialog For some hardware units, incorrect and incomplete information was presented in the Control Builder's Unit Specific Alarm and Event dialog. The problem affected project documentation and Open Interface too. Information in the controller was not affected. 800xACON-CN-5110-061	This problem has been corrected in Control Builder.
Control Builder Crash or Hanging when Rebuilding Search & Navigation Data When rebuilding the Search and Navigation browser data, the Control Builder could sometimes crash or hang when it encountered a Diagram type that was not used in any application. 800xACON-CN-5110-062	This problem has been corrected in Control Builder.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Control Builder Crash after Take Over Reservation The Control Builder might crash after Take Over Reservation, after an application change had been made from another Control Builder. 800xACON-CN-5110-063	This problem has been corrected in Control Builder.
Paste Special of Invalid Characters causes Problem in Diagram The diagram editor had an insufficient validation of the entered names in the Paste Special dialog. It was possible to include non-valid characters, for example '.' in the name. This resulted in a non-working diagram. 800xACON-CN-5140-007	This problem has been corrected in Control Builder.
Working with Structured Data Types in Diagram Editor There were two issues when working with variables of structured data type in the Diagram Editor: The component selection dialog did not appear for structured component with more than one layer. Split page for component connections sometimes caused component connections to 'disappear'. 800xACON-CN-5140-008	This problem has been corrected in Control Builder.
Control Builder Crash if too Complex POUs For specific POUs, in particular such with many or large SFC diagrams and many parameters, the Control Builder's sorting algorithm would encounter an internal error and shut down. 800xACON-CN-5140-009	This problem has been corrected in Control Builder.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Rename of Diagram Type Instance from Engineering Workplace or Function Designer Not Persistent When renaming a diagram type instance from an editor or interface other than the Control Builder, e.g. Function Designer or directly from Engineering Workplace, the name change was not persistent. When Control Builder was reopened it reverted back to the old name. 800xACON-CN-5140-011 Product Bulletin: 3BSE047421D0184	This problem has been corrected in Control Builder.
Controller	
Controller Shutdown during Load Evaluate Go (LEG) Download when 1131 Task without Assignment to Application is present in Controller A (dual) shutdown would occur if a LEG application download was made when an orphan IEC 1131 task existed in the controller i.e. an 1131 Task existed in the controller but the corresponding application was not present in the controller. 800xACON-CN-5100-082 Product Bulletin: 3BSE047421D0169	This problem has been corrected in the AC 800M Controller firmware.
Download to Controller Aborted if Changes Made to RNRP Settings. If changes to RNRP settings were made and downloaded from a Control Builder located on a different RNRP area than the controller, the download failed and no further downloads were possible without a cold restart of the controller. 800xACON-CN-5110-043 Product Bulletin: 3BSE047421D0191	This problem has been corrected in the AC 800M Controller Firmware.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
IAC Communication Might be Disturbed after Cold Download After a cold download to an AC 800M controller, the IAC communication could enter a state where communication was continuously disturbed. The problem was observed with PM891 controllers. 800xACON-CN-5110-049	This problem has been corrected in the AC 800M Controller Firmware.
High Integrity	
SIL3 IAC status discrepancy if IP address of the IAC Server changed When an input Communication Variable was used in a SIL3 application, and the corresponding output Communication Variable was moved to another controller, or the controller's IP address was changed, the IAC status would indicate discrepancy during a short period after download. If the IAC status was used in the critical loop a controller shutdown could occur. 800xACON-CN-5110-046	This problem has been corrected in the AC 800M Controller Firmware.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Corrupt hardware attributes after power fail recovery if preceded by aborted LEG session A similar problem as described below in 800xACON-CN-5100-081 could occur after a power fail recovery if preceded by the following conditions. 1. LEG is performed with changed I/O connections 2. The LEG session is aborted (not accepted) 3. Power fail occur before a new LEG or warm re-configuration is performed. 800xACON-CN-5110-047 Product Alert: 3BSE047421D0179	This problem has been corrected in the AC 800M Controller Firmware and Control Builder.
Library	
Issues in the PID Autotuner The step autotuner had a start problem when the measured process value had overlayed noise. The relay autotuner showed deviating results depending on the selected relay amplitude. It also had too short of an initial exponential function related to the expected process constants. 800xACON-CN-3100-004	This problem has been corrected in ControlAdvancedLib, ControlBasicLib, ControlSupportLib and ControlStandardLib in AC 800M Connect.
ParError Indication Missing There was a problem in In SignalInRealM and SignalSimpleInRealM which made ParError not being set when the RedIncDecLim was set outside the allowed range. 800xACON-CN-5020-099 Product Bulletin: 3BSE047421D0193	This problem has been corrected in SignalLib in AC 800M Connect.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Wrong Port-placement on StictionCompensator The StictionComp port on the AnalogOutCC could not be connected to the corresponding port on the StictionCompensator in the Diagram editor. The reason was that both modules had this port on the left-hand side. 800xACON-CN-5100-095	This problem has been corrected in ControlAdvancedLib in AC 800M Connect.
Missing Indications in PID Faceplates PID controller warnings were missing in PPA faceplates for the different controller types. Example of additions are Oscillation detected, Sluggish control detected, Derivation Filter time and Max sample time. The following object are affected by the changes; PidCC, PidAdvancedCC, PidCascadeLoop(3P), PidLoop(3P) and the Fuzzy controller. 800xACON-CN-5100-096	This problem has been corrected in ControlBasicLib, ControlStandardLib, ControlAdvancedLib and ControlFuzzyLib in AC 800M Connect.
No Warning if Derivative Filter Time is Set too Low in PID with ERF If the derivative filter time was set too low a warning in the form of an exclamation mark in the CB graphics was missing. This happened in PidCC and PidAdvancedCC if ERF-mode was used. 800xACON-CN-5110-067	This problem has been corrected in ControlStandardLib and ControlAdvancedLib in AC 800M Connect.
Erroneous Order to Open PilotValve was Set during Application Reconfiguration If the BurnerLib burner was Active an Erroneous Order to Open PilotValve was Set during Application Reconfiguration. 800xACON-CN-5112-001 Product Bulletin: 3BSE047421D0177	This problem has been corrected in BurnerLib in AC 800M Connect.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Running and CleaningDone Reset during Application Reconfiguration Two parameters on the Burner object lost their current value at warm download. Running: Dropped for one scan. Could cause problem if the output was supervised with a latch. CleaningDone: The Burner forgot that cleaning had been done. Also see 800xACON-CN-5112-001 for problem with the PilotValve. 800xACON-CN-5113-001	This problem has been corrected in BurnerLib in AC 800M Connect.
Communication	
Controller Crash During Reconfigur of Modbus TCP Hardware A controller crash could occur during download if there was a reconfiguration as part of the Modbus TCP hardware configuration in the hardware tree under the CI867. 800xACON-CN-5020-102	This problem has been corrected in the CI867ModbusTCpHwLib in AC 800M Connect.
Cold restart of SIL3 application that is server for IAC controller-internal communicating leads to discrepancy. If an application that was the server of controller-internal SIL3 IAC communication was cold restarted, discrepant variable values were received in the client application. This caused a shutdown if the variable values were used to set any outputs. 800xACON-CN-5110-050	This problem has been corrected in the SM81x Firmware.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Controller Crash During Co-existence Download with CI862(TRIO) A controller crash could occur when a co-existence download was made to an empty controller with CI862 in the configuration. 800xACON-CN-5110-051	This problem has been corrected in CI862TRIOHwLib in AC 800M Connect.
EtherNet/IP and DeviceNet	
Device Import Wizard for does not generate the hardware definition files correctly for eds files of analog devices that support little endian format. There are some Ethernet IP analog modules with channels of Real data type supporting little endian format. Channels of such devices did not work properly after the eds files of such modules were imported using Device Import Wizard. 800xACON-CN-5100-074	This problem has been corrected in Control Builder Device Import Wizard.
Channel name renaming and selecting byte swap option for std. conversions not possible during import of EDS file It was not possible to rename the channel or select bytes swap option for some standard conversion in the Io setting page during import of EDS file for Ethernet/IP devices. 800xACON-CN-5100-086	This problem has been corrected in EthernetIP Device Import Wizard integrated with Control Builder.

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
Advanced property cannot be selected for multiple channels during import of EDS file Advanced property could not be selected for multiple channels in the IO setting page during import of EDS file. 800xACON-CN-5100-087	This problem has been corrected in EthernetIP Device Import Wizard integrated with Control Builder.
I/O bytes field not Editable in EtherNet/IP Device Import Wizard The Input and Output bytes field in the IO setting page during import of EDS file of EthernetIP device was not editable. 800xACON-CN-5110-039	This problem has been corrected in EthernetIP Device Import Wizard integrated with Control Builder.
Import of EDS Files for EthernetIP Devices Fails The import of EDS files for EthernetIP devices failed if the values for the "Min" and "Max" parameters were either empty or had the same value in the EDS file. 800xACON-CN-5110-048	This problem has been corrected in EthernetIP Device Import Wizard integrated with Control Builder.
IEC 61850	

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
CI868 Firmware Error on importing scd-file Containing Unsupported Data Attribute Signals CI868 firmware could generate the following error when importing scd-file containing unsupported Data Attribute signals (e.g. dirGeneral of ACD type, stSeld of DPC type) in GCB assigned to CI868. 800xACON-CN-5020-094	This problem has been corrected in IEC 61850 Device Import Wizard integrated with Control Builder. IEC61850 Wizard shall ignore unsupported Data Attribute signals while importing and not allocate any IO channel for the same. A log warning shall be provided in IEC61850Wizard.log file as follows: "Unsupported data attribute "IEDName.LDInst.LNName.DOName.DAName" is found in inputs section of IED "SelectedIEDName".
CI868 firmware error with Error log 'IED : IP is NULL string CI868 firmware could generate the following error with Error log 'IED : IP is NULL string' when importing and downloading scd-file containing RCB signals to CI868 from IEDs (with valid IP addresses) from different sub-network. 800xACON-CN-5100-084	This problem has been corrected in IEC 61850 Device Import Wizard integrated with Control Builder.
CI868 incorrect Protocol Info Assignment for GOOSE send LNs CI868 GOOSE Sending LN IO channels was assigned Protocol Info for more Client IEDs than actually configured in CI868 GCB send dataset. 800xACON-CN-5110-041	This problem has been corrected in IEC 61850 Device Import Wizard integrated with Control Builder.
PROFINET IO	

Table 23. Resolved in 800xA 6.0.2- Configuration Issues

Issue	Correction or Fix
I/O Connection Error with Beckhoff Device on PROFINET A PROFINET device like the BK9053 from Beckhoff did not start up cyclic communication and indicated 'I/O connection error' in the Unit Status of Control Builder. This problem could only happen to devices that provide cyclic data also on sub modules directly configured below the DAP. 800xACON-CN-5100-083	This problem has been corrected in CI871PROFINETHwLib in AC 800M Connect.
''I/O Connection Error' or 'WrongModuleType' for FENA-xx with ACS880 Drives With firmware version 3.05 of the FENA-xx drive adapter changed IDs for the communication adapters FENA-01, FENA-11 and FENA-21 are requested to be supported by the engineering system. By using a not updated firmware of CI871 the CI871 does not start cyclic communication as described by 800xACON-CN-5100-083 and 'I/O connection error' is indicated. Using an updated firmware of CI871 still 'WrongModuleType' will be indicated for FENA-xx. 800xACON-CN-5100-097	This problem has been corrected in ABBDrvFenaCI871HwLib in AC 800M Connect.

Operation

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Control Builder	
Interaction Window has Incorrect size on Wide Screen Monitor When viewing an interaction window in Control Builder on a wide screen monitor it would not appear with the correct height/width ratio. 800xACON-OL-4100-058	This problem has been corrected in Control Builder.
Control Builder Crash in HW Online Editor If a modal dialog was kept open on the screen while a HW online editor was also open, the Control Builder crashed after a while. 800xACON-OL-5100-134	This problem has been corrected in Control Builder.
Incomplete Audit Trail Entry for Values Changed from Control Builder When a variable value in a controller was changed from the Control Builder (not PPA), the audit trail entry was incomplete. The changed variable and its enclosing POU were not specified, only the controller and application. 800xACON-OL-5110-042	This problem has been corrected in Control Builder.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Diagram Editor: Checkbox for Clear Port Connection not Displayed Correctly The checkbox that shows if a port connection should be cleared would not update correctly after saving, closing, and opening the diagram editor. The value would still be saved, but not shown in the editor. 800xACON-OL-5110-045	This problem has been corrected in Control Builder.
Communication Variable Faceplate not Opening from SFC Viewer Aspect Communication Variable faceplate was not opening from SFC Viewer Aspect. This problem was only visible in version 5.1.1-2 due to changes to search and navigation. 800xACON-OL-5112-001	This problem has been corrected in Control Builder.
Diagram Editor not Showing Online Values for Components in a Data Type No online value was shown if a control module parameter was connected to a component of a structured data type 800xACON-OL-5140-011	This problem has been corrected in Control Builder.
Binary Constant Values was Only Showing 30 bit in Online Mode Only the highest 30 bits of a 32 bit binary constant was shown in online mode of the POU editor (ST, SFC and Ladder). 800xACON-OL-5140-009	This problem has been corrected in Control Builder.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Aspect View Could not be Opened from Diagram Online Editor If an application was located in an application folder, it was not possible to navigate to Aspect views from the diagram online editor. 800xACON-OL-5140-016	This problem has been corrected in Control Builder.
OPC Server	
AC 800M OPC Server Could not Re-establish Connection when Lost Connection to Half an Application If OPC server lost connection to one controller containing a distributed application, then communication could not be reestablished to the other controllers containing the same application after the OPC server was restarted. 800xACON-OL-5100-116	This problem has been corrected in OPC Server for AC 800M.
OPC Server Could Hang After Controller Reconfiguration On rare occasions, the OPC server could hang permanently at an application configuration download. This stopped all data and A&E access from workplaces and other clients to the connected controllers. In case of redundant connectivity servers, clients would fail-over to the other server. 800xACON-OL-5100-130 Product Bulletin: 3BSE047421D0192	This problem has been corrected in OPC Server for AC 800M.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
License Error for OPC IBA LOGGER An erroneous license annoyance message could appear when the AC 800M OPC Server was started. The missing license feature was OPC_IBA_LOGGER. 800xACON-OL-6000-004	This problem has been corrected in OPC Server for AC 800M.
Controller	
Load Evaluate Go: Changed I/O Out Channel Connection may Result in Controller Shutdown If variable connections to Analog Out or Digital Out channels were added, moved, or removed during a LEG session, the AC 800M controller could shut down when doing Abort or Accept. 800xACON-OL-5000-095	This problem has been corrected in the AC 800M Controller Firmware and Control Builder.
Controller Crash at Controller Re-configuration On rare occasions, the controller could crash at download of a configuration change. The problem could occur when acyclic communication through a communication Interface was used. 800xACON-OL-4100-057	This problem has been corrected in the AC 800M firmware. (This correction also mitigates 800xACON-OL-5100-129)

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Controller Crash if Only one Internal MMS Connection Exist in the Controller A controller crash could occur during warm re-configuration of an application with the only internal MMS connection (connected to the own partner address) of the controller. If there exist no such internal connection or if more than one application have such connection the problem could not occur. 800xACON-OL-5020-073	This problem has been corrected in the AC 800M Controller Firmware.
Resetting Forces in a SIL3 Application Might Shutdown the Controller If I/O forces were reset by application code in SIL3 application with function ResetForcedValue and the diagnostic function block ForcedSignals was executed later in the same application this could result in a controller shut down. The shutdown occurred since PM and SM units had a different perception of the account of actual forced I/O signals for a short time. 800xACON-OL-5020-074	This problem has been corrected in the AC 800M Controller Firmware.
Controller Crash when Conditional Execution of Communication Function Blocks On rare occasions, the controller could crash if function blocks for communication (Read, Write and Receive) were conditionally executed. 800xACON-OL-5020-078	This problem has been corrected in the AC 800M Controller Firmware.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Network Ports on Redundant PM891 might Stop Working if Exposed to Excessive ARP Communication Network ports on a redundant PM891 sometimes stop working if exposed to excessive amount of ARP communication. Address Resolution Protocol (ARP) is a protocol used to resolve network IP addresses and MAC addresses and is a standard part of TCP/IP communication. The problem affected the network port exposed to excessive amount of ARP communication. In a redundant network configuration a failover occurred to the backup network port and the port was error marked. The problem could only occur if a CPU failover had previously taken place and then the controller network port was exposed to excessive amount of ARP communication. 800xACON-OL-5100-114 Product Bulletin: 3BSE047421D0171	This problem has been corrected in the AC 800M Controller Firmware for PM891.
Low Time Quality for SNTP Between Controllers The time accuracy for clock synchronization using SNTP between controllers could be up to 10ms. The specified accuracy is 1ms. 800xACON-OL-5110-034	This problem has been corrected in the AC 800M Controller Firmware.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
High Controller Load when Missing MMS Partners When a controller attempted to establish MMS connections to partners that did not respond, this consumed about 5% additional total load per failing connection. Failing MMS connection can be identified in the remote system dialog as connections with 0 transactions per second. 800xACON-OL-5110-047 Technical Description: 3BSE047421D0183	This problem has been corrected in the AC 800M Controller Firmware.
Controller Crash in Runtime On rare occasions, and probably triggered by high packet rates reaching the controller's Ethernet ports, the controller would crash due to a software exception. 800xACON-OL-5110-050	This problem has been corrected in the AC 800M Controller Firmware.
Redundant PM891 Controller Unreachable on Ethernet after PM Switchover On rare occasions, probably related to high Ethernet packet rates, a failure on the primary PM891 lead to a switchover but the new primary was not able to start Ethernet communication. All Ethernet communication to the controller stopped 800xACON-OL-5141-003	This problem has been corrected in the AC 800M Controller Firmware.
High Integrity	

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Discrepancy in SIL3 application if all MMS Communication was Disabled. MMS discrepancy in SIL3 application could occur if all MMSHIRead control modules were disabled at the same time and then later enabled. This could lead to a controller shutdown if MMS input data was used in critical loop. 800xACON-OL-5020-075	This problem has been corrected in the AC 800M Controller Firmware.
SIL3 Controller Halt Due to Safe MMS Discrepancy In a HI controller running Safe MMS to read values into a SIL3 application, the diagnostic supervision could falsely detect discrepant values between the PM and SM, which lead to a shutdown. The probability of getting the problem increased with high CPU load. 800xACON-OL-5020-080	This problem has been corrected in the AC 800M Controller Firmware.
Missing Alarm Texts in PPA for SM81x Several of the status bits from SM81x were missing alarm and status text to be presented in PPA alarm list. 800xACON-OL-5100-128	This problem has been corrected in BasicHIHwLib in AC 800M Connect.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Library	
Range from AnalogInCC not Available in First Scan An error in the output Range of the AnalogInCC during the first scan affected PidCC and PidAdvancedCC controller or any other object connected to the output of AnalogInCC. Example: For the PID controllers this meant that the SP input used the default range until the user changed it from the operator graphics. 800xACON-OL-3100-005	This problem has been corrected in BasicLib and ControlStandardLib in AC 800M Connect.
Control Module VotedBranch4 Out2 takes the value of Out3 If different command numbers are used for Out2 and Out3 selection the Out2 output will take the same value as Out3. 800xACON-OL-3100-006 Product Bulletin: 3BSE047421D0198	This problem has been corrected in SignalLib in AC 800M Connect.
Unintentional Stop Order from Process Object at Warm Download. A Process Object set to use pulsed outputs and FBConfig set to 1 had an issue at warm download. An extra stop order was given to an already stopped object. This problem was present in the following objects: UniCore, BiCore, MotorBiM, MotorValveM, BiM, MotorBi, Bi, MotorValve, BiSimpleM, BiSimple, MotorUniM, ValveUniM, UniM, MotorUni, Uni, ValveUni, UniSimpleM and UniSimple. 800xACON-OL-5000-096	This problem has been corrected in ProcessObjBasicLib in AC 800M Connect.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Force not Working Correctly in DecoupleFilterCC Forcing of In2 of the DecoupleFilterCC did not affect the status of the outputs. 800xACON-OL-5000-097	This problem has been corrected in ControlAdvancedLib in AC 800M Connect.
Output from SignalLib Vote Control Modules Delayed One Scan The output from the Vote control modules Vote1oo1Q, VoteXoo2D, VoteXoo3Q and VoteXoo8 coming from SignalLib was delayed one scan if no delay time was configured. 800xACON-OL-5020-079 Product Bulletin: 3BSE047421D0187	This problem has been corrected in SignalLib in AC 800M Connect.
Library Objects based on UniCore and BiCore Objects, Priority Commands Enabled when object is Out of Service There was a deviation in behavior compared to intended design for UniCore and BiCore library objects in ProcessObjBasicLib. When using library objects UniCore, UnicoreM, BiCore, BiCoreM or objects based on these basic elements, the object was able to act on Priority Command input (PriorityCmd0, PriorityCmd1 or PriorityCmd2) even if the object was set to Out Of Service mode. 800xACON-OL-5100-101 Product Bulletin: 3BSE047421D0147	This problem has been corrected in ProcessObjBasicLib and ProcessObjExtLib in AC 800M Connect.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
SplitRangeCC did not Backtrack Correctly The SplitRangeCC control module returned an incorrect back value to the preceding modules in case both its outputs were in backtracking mode. The back value would be a copy of the value received from the preceding module. This resulted in a discontinuous control output once the backtracking ended. 800xACON-OL-5100-120	This problem has been corrected in ControlStandardLib in AC 800M Connect.
Wrong OPC-Status in Out Value in SignalRealCalcOutM Status from control module SignalRealCalcOutM remained as uncertain also after predetermined value of the signal was reached. Status will now be good when predetermined value is reached. 800xACON-OL-5100-126	This problem has been corrected in SignalLib in AC 800M Connect.
Incorrect Back Value from CommonRangeCC CommonRangeCC was calculating the backward Control Connection value incorrectly. Backward values are now calculated with respect to value ranges. 800xACON-OL-5102-006	This problem has been corrected in ControlStandardLib in AC 800M Connect.
No Backtracking in PulseWidthCC PulseWidthCC was not going into Backtracking mode when an IO was forced. Backward range values are now calculated with respect to forward in range value 800xACON-OL-5102-007	This problem has been corrected in ControlStandardLib in AC 800M Connect.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
RealToCC did not Indicate Overflow or Underflow RealToCC did not handle the status codes for the in parameter Status correctly. Overflow and underflow was not indicated in the Out Control Connection. Overflow/underflow indication was also missing in the interaction window. 800xACON-OL-5102-008	This problem has been corrected in ControlStandardLib in AC 800M Connect.
Bump in Backward Value in MinCC and Min4CC During Download If using the PID Controller in ERF mode a warm reconfiguration caused a bump in backwards value in the passive input. This problem was only present if using 5.1.1-2 Library Update and 6.0. 800xACON-OL-5110-038 Product Bulletin: 3BSE047421D0186	This problem has been corrected in ControlStandardLib in AC 800M Connect.
SplitRangeCC Sends wrong Back Value in Some Situations When the control module SplitRangeCC was used with the PID Controller in ERF mode the back value could end up incorrect when the out signal reached 0. This problem was only present if using 5.1.1-2 Library Update and 6.0. 800xACON-OL-5110-040	This problem has been corrected in ControlStandardLib in AC 800M Connect.
Incorrect Back Value from PIDAdvancedCC In PIDAdvancedCC the backvalues (Value and Range) in ExternalGSref.Backward were incorrectly copied from Feedforward.Forward instead of ExternalGSref.Forward. 800xACON-OL-5112-003	This problem has been corrected in ControlAdvancedLib in AC 800M Connect.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Wrong SP Backward Calculation The PidAdvancedCC behaved incorrectly when the PID was in internal SP mode and the SP node indicated backtracking not possible. It then sent the wrong backward value to the SP node; the internal SP value instead of the SP.Forward.Value (as the PidCC does already). 800xACON-OL-5112-004	This problem has been corrected in ControlAdvancedLib in AC 800M Connect.
No Feedback Error in MotorValve if Both Opened and Closed is Active If both Opened and Close feedback signals was set no ObjectError was given. 800xACON-OL-5140-014	This problem has been corrected in ProcessObjExtLib in AC 800M Connect.
Incorrect Back Value from BranchCC and Branch4CC An ERF controller upstream the branch module would not work when Output1 on the branch module was disabled. Other control modules upstream the branch module that can receive signals backwards could also give an incorrect result. The problem was only relevant when Mode = 0 (And-function) was selected for the branch module. 800xACON-OL-5140-018 Product Bulletin: 3BSE047421D0194	This problem has been corrected in ControlStandardLib in AC 800M Connect.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
PID in ERF-Mode with Feed Forward not Responding Correctly Using Feed Forward in a PID-object in External Reset Feedback (ERF) mode did not result in the correct output value. This problem was present in the following objects: PidCC, PidAdvancedCC. 800xACON-OL-5141-002	This problem has been corrected in ControlStandardLib and ControlAdvancedLib in AC 800M Connect.
PidCC and PidAdvancedCC Output Value Could not be Changed in PPA Faceplate for User with Operator Privileges PidCC and PidAdvancedCC could only be changed in PPA face plate if user has "Administrate" privileges. This problem was only present if using 5.1.1-2 Library Update. 800xACON-OL-5141-004 Product Bulletin (PCDevice Library): 9ARD149928-051	This problem has been corrected in ControlStandardLib and ControlAdvancedLib in AC 800M Connect.
3P Stopped in an Incorrect Position The internal state and information of the actuator position in the PidLoop3P, PidCascadeLoop3P and ThreePosCC objects did not have the correct value if the internal state had reached its limit. The consequence of this was that the actuator could stop in an incorrect position. This was relevant for ThreePosCC when the position feedback was not connected. 800xACON-OL-5142-001	This problem has been corrected in ControlStandardLib and ControlBasicLib in AC 800M Connect.
Communication	

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
CCToMMS and MMSToCC not Working Correctly in Backward Direction Control modules CCToMMS and MMSToCC did not calculate the backward value when they were not in backtracking mode. This has been a problem since 5.1.1-2 Library Update 1 and 6.0. 800xACON-OL-4100-056	This problem has been corrected in MMSCommLib in AC 800M Connect.
Controller Crash if CI856(S100) Disturbed A controller crash could occur if the cable connected from the CI856 to the S100 racks was disturbed or if the CI856 is hot removed. 800xACON-OL-5020-081	This problem has been corrected in CI856S100HwLib in AC 800M Connect.
Frozen I/O values on IEC 61850, Crashed CI868 Under specific conditions, the I/O signals connected to a CI868 would freeze and the CI868 module would crash. This could happen if the I/O of a single CI868 was accessed from multiple fast 1131 tasks, in particular if one of these was a Time Critical task. 800xACON-OL-5020-082	This problem has been corrected in the AC 800M Controller Firmware.
S3964RReadCyc Valid Port toggles During Valid Output The 'Valid' parameter on the S3964Read cyclic function block in S3964CommLib was not stable. It toggled true/false even though the data was getting updated. 800xACON-OL-5100-115	This problem has been corrected in S3964CommLib in AC 800M Connect.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Controller Shutdown when Using MMS on PPP The AC 800M controller could shut down if running MMS over PPP on CI853. The problem only occur if both channels on the CI853 were in use. 800xACON-OL-5100-119	This problem has been corrected in the AC 800M Controller Firmware.
MTMReadCyc Function Block gets Wrong Value from MOD5 System The ACR values were not read correctly from MOD5 system when using MTMReadCyc function block. 800xACON-OL-5100-122	This problem has been corrected in CI872MTMHwLib in AC 800M Connect.
Connection Down on PROFIBUS Slave not Updated in Control Builder Connection down may not be reported On Line with Control builder in rare cases for a Profibus slave that is powered off, the Webserver live list has correct Slave status indication. 800xACON-OL-5100-132	This been corrected in Ci854ProfibusHwlib which is part of AC 800M Connect.
Inputs not Updated in First Scan for EtherNet/IP The inputs were not updated correctly during the first scan after a switchover of CI873. 800xACON-OL-5100-133	This problem has been corrected in CI873EthernetIPHwLib in AC 800M Connect.
Controller Shutdown due to Many COMLI Read and Write FBs A controller crash could occur when COMLI communication was enabled when there was a lot of read and write function blocks enabled. 800xACON-OL-5101-025	This problem has been corrected in COMLIHwLib in AC 800M Connect.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
No Communication with Modbus RTU Slave after CI853 Hot Swap Communication with Modbus RTU slave could stop due to timeout after a hot swap was made on the CI853 module. 800xACON-OL-5110-036	This problem has been corrected in ModBusHwLib in AC 800M Connect.
Modbus RTU could Stop after Disabling and Re-Enabling If Modbus RTU was disabled and later reenabled the communication was not always resumed. Controller restart was needed to restart communication. 800xACON-OL-5110-039	This problem has been corrected in ModBusHwLib in AC 800M Connect.
Safe Online Write - Error Handling When performing a Safe Online Write operation and the Confirm Write Support aspect was missing, the standard (non-SIL) confirm dialog appeared instead of the expected error message to inform that the confirm write support is missing. The write operation could be confirmed in the dialog, but it would not be accepted by the HI controller. 800xACON-OL-6000-003	This problem has been corrected in AC 800M Connect. Now a proper error message is displayed to inform that the write operation was cancelled due to the missing Confirmed Write Support aspect.
No Response from CI857 (INSUM) During Network Storm During a network storm of more than 300 packets/second CI857 did not respond, however the unit status for CI857 did not show the relevant information. After the network storm was over the CI857 was not coming back to normal state. 800xACON-OL-5100-124	This problem has been corrected in CI857InsumHwLib in AC 800M Connect.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Modbus TCP	
Controller Crash due to Toggling Modbus TCP Connection Block A controller crash could occur if the MBTCPConnect block was being toggled and a lot of read/ write communication was taking place. 800xACON-OL-5020-077	This problem has been corrected in CI867ModbusTcpHwLib in AC 800M Connect.
Valid Signal Toggling on Modbus TCP Read Cyclic FB The Valid output parameter of the MBTCPReadCyc function block was toggling each time a new request was made as per the configured CycleTime parameter. 800xACON-OL-5025-002 Product Bulletin: 3BSE047421D0181	This problem has been corrected in ModBusTCPCommLib in AC 800M Connect.
Connection to Modbus TCP Slaves Fails During CI867 Switchover Connection with Modbus TCP slave went down for a long time in case of a CI867 switchover scenario. 800xACON-OL-5100-117	This problem has been corrected in CI867ModbusTcpHwLib in AC 800M Connect.
Reset of Modbus TCP Slave A CI867 as slave could reset if there were frequent disconnections from the external master. 800xACON-OL-5110-041	This problem has been corrected in CI867ModbusTcpHwLib in AC 800M Connect.

Table 24. Resolved in 800xA 6.0.2 - Operation Issues

Issue	Correction or Fix
Communication Lost to Modbus TCP Slaves Due to Communication Disturbance. If Modbus TCP communication was disturbed or new requests were made while operation was still pending the communication to one or more Modbus TCP slaves could stop for about one minute. The problem could also occur when a Modbus TCP (CI867) redundancy failure occurred or during power fail recovery of the controller. 800xACON-OL-5110-046 Product Bulletin: 3BSE047421D0190	This problem has been corrected in CI867ModbusTcpHwLib in AC 800M Connect.

Resolved in 800xA 6.0.0 - Common Corrections

Use this section to know the common issues resolved for AC 800M, while upgrading from either 800xA 5.1 Rev D (product version 5.1.0-3) or 800xA 5.1 FP4 Rev D (product version 5.1.1-2).

Administration

Table 25 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 25. Resolved in 800xA 6.0 - Administration Issues

Issue	Correction or Fix
PROFINET IO	
I/O-channel status for I/O under CI871 shows ok (0xC0) during hot-insert process After restart of CI871, for example, due to hot swap, the input channels of the PROFINET devices might get wrong indication. The channel status might be set for a few seconds to good instead of bad, even though the I/O unit was in the phase of being initialized and WaitingToInit or ChannelError was indicated on sub-module level. 800xACON-AD-5102-003	This problem has been corrected in the AC 800M firmware.
IEC 61850	
IEC61850 - Outputs was mapped to wrong input on receiving client after Online Upgrade When importing and downloading new SCD file after online upgraded of CI868 severe mismatch of I/O channels could occur. This could lead to wrong I/O outputs being set or wrong input values read. 800xACON-AD-5110-007 Product Alert: 3BSE047421D0139	This problem has been corrected in CI868IEC61850HwLib.

Table 25. Resolved in 800xA 6.0 - Administration Issues

Issue	Correction or Fix
Control Builder	
Controller crash after using rename dialog in Control Builder If object types are replaced using the rename dialog in Control Builder, the controller could crash or wrong retain values could be applied. 800xACON-AD-5020-037 Product Bulletin: 3BSE047421D0157	This problem has been corrected in Control Builder.
Import of Control Module failed if Control Builder was Open Import of a single Control Module (in an afw-file) was in one special case not successful in case the affected project was open in Control Builder. The changes in the imported file were not applied. The problem did not occur if the project was not open when the import took place. 800xACON-AD-5100-046	This problem has been corrected in Control Builder.
Controller	
Controller Shutdown During Rollback of Aborted OLU If a OLU was aborted by exceeded handover limit the rollback could in some cases fail, resulting in a controller shutdown. 800xACON-AD-5020-043	This problem has been corrected in the AC 800M Controller Firmware.
INSUM	

Table 25. Resolved in 800xA 6.0 - Administration Issues

Issue	Correction or Fix
Online Upgrade SIL3 failed during Firmware download Online Upgrade Failed with CI857 INSUM Online upgrade could fail with CI857 INSUM module in case the CI857 was not able to connect to the gateway in time during the Online upgrade process. 800xACON-AD-5020-040	This problem has been corrected in CI857InsumHwLib.
Communication	
Online Upgrade - Serial Communication Serial communication using SerialHwLib failed with error code -7000 after Online Upgrade of controller firmware. 800xACON-AD-5020-041	This problem has been corrected in SerialHwLib.
MMS Timeout when removing network cables from controllers simultaneously If removing the network cable of the active network from two controllers in different network areas at the same time, the network switchover time could be up to 10 seconds. A network switchover time of 10s will cause a MMS timeout if using Safe MMS communication. 800xACON-AD-5110-013	This problem has been corrected in Control Builder, OPC Server and AC 800M firmware. The reconnect timer has been decrease from 10s to 2s.

Configuration

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
PROFINET IO	
Hirschmann switch RS20 not working as PROFINET IO device With firmware version 04.2.08 of the Hirschmann switch RS20, the switch provided a new GSD file for PROFINET that was not supported by CI871. The device cannot be configured and was indicated with an Error in the hardware tree. 800xACON-CN-5100-012	This problem has been corrected in CI871PROFINETHwLib.
Maximum number of PROFINET devices reached in LifeList of WebInterface When having more than 128 PNIO devices connected to one switched Ethernet network, the lifelist in the webserver was not able to show all connected devices. The lifelist reported an error "Lifelist full". The error typically occurred when several CI871 (connected to one or several AC800M controllers) shared the same Ethernet network, so that all connected devices respond to the DCP requests, independent of being assigned to that CI871 or not. 800xACON-CN-5100-052	This problem has been corrected in CI871PROFINETHwLib. The number of supported devices has been increased to 252.

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
Communication problems with Drives on PROFINET after re-configuration If the configuration for an already downloaded device on PROFINET is changed, the cyclic communication after the succeeding download will not start up correctly. The IOPS status for the output values on PROFINET will stay on bad so that the PNIO device will stay in safe state, outputs are not operated. The problem was only seen with Siemens SINAMICS drives following the PNIO PROFIdrive profile by use of API=14848. 800xACON-CN-5100-071 Product bulletin: 3BSE047421D0164	This problem has been corrected in CI871PROFINETHwLib.
PROFINET IO devices using high numbers for the hardware addresses do not start up communication When configuring physical device management (PDev) for a PROFINET IO device the device did not start up communication. PDev is supported if interface and port-sub modules with hardware addresses >=32768 are configured below the DAP. 800xACON-CN-5100-080	This problem has been corrected in CI871PROFINETHwLib.
PROFIBUS	
Controller crash during delete redundancy and download Controller Could Crash During Download if CI854A Redundancy was Removed Deleting redundancy for CI854A during re-configuration download could lead to Controller crash. 800xACON-CN-5100-072	This problem has been corrected in CI854PROFIBUSHwLib.

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
EtherNet/IP	
Connection Timeout Multiplier Cannot be Configured in the Hardware Type for Ethernet/IP Devices The Connection timeout multiplier parameters was hidden parameter in hardware definition file hence user could not change the value. 800xACON-CN-5020-095	This problem has been corrected in EthernetIP Device Import Wizard in Control Builder.
Control Builder	
New Variables in POU of Batch Type are Marked Read-Only If a variable was added in a POU editor for Batch control the variable was marked read-only when the POU was saved. This was wrong, only variables with Batch Property 'batch' should be read-only. 800xACON-CN-5000-069	This problem has been corrected in the Control Builder.
Restriction Against Moving Tasks Between SIL3 Applications It was not permitted to move an existing Task between SIL3 Applications as part of a Warm Re-configuration. Example: The controller was executing with SIL3App1 connected to Task1, and SIL3App2 connected to Task2. Then SIL3App1 was connected to Task2, and SIL3App2 to NewTask. At download to the controller, the internal diagnostics will (incorrectly) detect this as an illegal reuse of Task2, and perform a shutdown. 800xACON-CN-5020-005	This problem has been corrected in the Control Builder.

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
Large Code Blocks in SFC Transitions Cannot be Scrolled In Online mode, it is now possible to scroll an SFC transition pane where the condition is too big to fit. 800xACON-CN-4100-053	This problem has been corrected in Control Builder.
Erroneous I/O re-configuration messages at download At a download to a controller after a (any) change was done to the Hardware Configuration or settings, there would be warning messages for all S800 modules connected to the ModuleBus. Example: “Information 9003 : Con_M10:HW Unit 'DO810' at position '0.11.1' will be configured”. 800xACON-CN-5020-020	This problem has been corrected in the Control Builder.
Difference Report show non-existing changes in library paths When switching between different projects the difference report did show non relevant changes in library paths related to project paths. 800xACON-CN-5020-080	This problem has been corrected in Control Builder.
Control Builder crash If a Control Module was converted to a Single Control Module the Control Builder crashed at download unless it had been restated in between. 800xACON-CN-5020-084	This problem has been corrected in Control Builder.

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
Memory leak in Control Builder Test Mode Depending on what hardware units were configured in the project, Control Builder was leaking memory when using Test Mode. 800xACON-CN-5020-091	This problem has been corrected in Control Builder.
Not possible to navigate from I/O Address column to Hardware editor POU editors in offline had a column called I/O Address where connected I/O appeared once the project had been downloaded to controller. The pop up menu for this column lacked the possibility to navigate to the actual Hardware editor. 800xACON-CN-5100-016	This problem has been corrected in the Control Builder.
Slow refresh of Libraries Reservation and engineering of Libraries in Control Builder could be very slow. 800xACON-CN-5100-065	This problem has been corrected in Control Builder.
Control Builder crash after mismatch in instance-specific initial values If instance-specific initial values are defined in the Control Properties aspect, then a mismatch in the Change Analysis at download (e.g., after a function block instance is renamed) could lead to a Control Builder crash. This happened if the user Quit the analysis without doing Save. 800xACON-CN-5100-076	This problem has been corrected in Control Builder.

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
Control Builder error message when undeclared variable used in SFC If the SFC Viewer option is enabled and an undeclared variable is used in a transition, an “Incorrect syntax" error message appeared at Save. 800xACON-CN-5100-077	This problem has been corrected in Control Builder.
Control Builder FBD/LD crash when run through Terminal Server When the Control Builder was run via Terminal Server, it could occasionally shut down when the FBD/LD editor was used. 800xACON-CN-5101-020	This problem has been corrected in Control Builder.
Control Builder, SFC gives Parse Error dialog on Save If the SFC Viewer was enabled for an SFC code block, the Control Builder would sometimes launch a Parse Error dialog after a change to the SFC code block or to the POU containing the SFC. 800xACON-CN-5110-024	This problem has been corrected in Control Builder.
Using "diskpart" tool to partition CF cards requires administrator rights The manual 3BSE035980-510 System 800xA Control AC 800M Configuration does not specify this condition required for performing automatic partition of CF cards from Control Builder. 800xACON-MC-5100-001	This problem has been corrected in the Control Builder.

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
Control Builder crash when having Project Constant as Task Connection If an application had a project constant as task connection, Control Builder would crash when downloading (or going to test mode). 800xACON-CN-5100-067	This problem has been corrected in Control Builder.

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
Alarm/Event	
Generate Alarm Info sometimes fails to update OPC Source Name After copying or moving a hardware unit from one controller to another, the Generate Alarm Info command did not work for that object. The OPC-Source Name aspect was not updated. 800xACON-CN-5000-104	This problem has been corrected in AC 800M Connect.
Library	
Not possible to change decimal digit representation in PPA faceplate It was not possible to change decimal digit representation (fraction) in process graphics faceplate for PID: SP and SP ramp values. 800xACON-CN-5020-085	This problem has been corrected in ControlStandardLibGraphExt and ControlAdvancedLibGraphExt.
VelocityLimiter removed in ControlSolutionLib VelocityLimiter is removed from all 5 examples in ControlSolutionLib since it is not needed, the PID should be configured to handle increase rate. 800xACON-CN-5020-086	This problem has been corrected in ControlSolutionLib.
Controller Crash During Download when using S100 IO Controller crash could occur if the user perform repeated downloads of project with S100 IO modules and CI856. 800xACON-CN-5020-087	This problem has been corrected in CI856S100HwLib.

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
Range Check (ParError) for Control Modules CCInputGate and CCOutputGate in SIL Applications Not Automatically Activated A problem has been found with BasicLib support control modules CCInputGate and CCOutput-Gate. The description of the EnableParError parameter indicates that the range check (ParError) is automatically active if the module is used in SIL applications which is not the case. This problem could occur if CCInputGate or CCOutputGate have been used in user specific module solutions. 800xACON-CN-5020-088 Product Alert: 3BSE047421D0167	This problem has been corrected in BasicLib
Data type and control module description not shown in lower pane of project explorer window Description of the few data types was not shown in the lower pane of the project explorer window 800xACON-CN-5100-068	This problem has been corrected in AlarmEventLib and BasicLib.
Not possible to change Hysteresis in Level6CC, Level4CC and Level2CC With a signal range of e.g. 60 to 85 it was only possible to set a hysteresis between 60 and 85 in the faceplate. In the Control Builder faceplate it was possible to set a more suitable value, e.g. 0.2. 800xACON-CN-5100-069	This problem has been corrected in ControlStandardLibGraphExt.

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
AC 800M Connect	
Problem When Importing Application in Functional Structure Importing an Application that was linked into the Functional Structure could cause an inconsistency in that Application. This lead to errors at check, compile, or in source code handling. The inconsistency could be resolved by making a dummy change in the imported Application and then Save. 800xACON-CN-5020-089	This problem has been corrected in AC 800M Connect.
High Integrity	
Re-configuration of ISP value for Safety I/O in ISP state cause I/O discrepancy in SIL3 Application Input discrepancy will occur during the first IEC 1131 application execution after reconfiguring the ISP value for DI880 or AI880 when the channel is in ISP (Input Set as Predefined) state. This problem can only occur for I/O channels used in SIL3 applications. If the input signal is a part of the critical loop this can lead to an output discrepancy. Depending on Error Handler configuration an output discrepancy may result in a controller shutdown. 800xACON-CN-5024-004 Product Bulletin: 3BSE047421D0159	This problem has been corrected in the AC 800M High Integrity firmware.

Table 26. Resolved in 800xA 6.0 - Configuration Issues

Issue	Correction or Fix
Controller	
Memory Corruption or Controller Crash after Restart when I/O Connections Removed or Added During a cold or warm restart of a controller a memory corruption of the controller memory could occur or the controller could fail to restart (crash). 800xACON-CN-5100-081 Product Alert: 3BSE047421D0168	This problem is corrected in AC 800M Controller firmware. If a power fail restart or cold restart already has been performed with I/O connection changes pending, a controller reset and cold download are needed to remove a potential memory corruption.

Operation

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
PROFINET IO	
The CI871 Editor does not update the WD value When the parameter "Ethernet Recovery time" was changed for CI871, the parameter settings for "Watchdog factor" was automatically recalculated. A message was raised that the "Watchdog factor" has been changed, but the value in the editor was not updated. 800xACON-OL-5100-021	This problem has been corrected in CI871PROFINETHwLib.
ABB drives ACS800 and ACS880 connected via RETA or FENA communication adapter on PROFINET have negative speed reference problem It is not possible to run the drives in the negative direction. "Speed Reference" is limited to unsigned values only. 800xACON-OL-5100-108 Product Bulletin: 3BSE047421D0166	This problem has been corrected in ABBDrvFenaCI871HwLib and ABBDrvRetaCI871HwLib. "Speed reference" is now defined as signed integer. Note: In case of having a workaround implemented e.g. addition/subtraction of 65536, this configuration has to be changed when using the modified HwLibs.
IEC61850	
Channel error occurs when variable is connected to 'ModIn' channel A Channel error occurred when variable was connected to 'ModIn' channel under the path CI868 --> MyIED --> LD --> LN0. Protocol information was not updated for ModIn channel of LN0 object. 800xACON-OL-5100-085	This problem has been corrected in CI868IEC61850HwLib. 'ModIn' channel was not required and is now hidden. 'ModOut' channel has been renamed to 'Mod' as per IEC 61850 specification.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
Library	
Control Module ThreePosCC range bounce causes temporary invalid output signal If no position feedback signal is used and the input signal to the module reaches the boundary for the signal range and then returns; the digital output will be invalid until the signal stabilizes (after internal ramp-up). 800xACON-OL-5000-093	This problem has been corrected in ControlStandardLib and ControlSupportLib.
ParError for Control Module CCInputGate and CCOutputGate might not be set in special cases For CCInputGate the problem could occur if both Backward.UpperLimitActive and Backward.LowerLimitActive are set at the same time. For CCOutputGate the problem could occur if both Out.Backward.MaxReached and Out.Backward.MinReached are set at the same time. 800xACON-OL-5000-094	This problem has been corrected in BasicLib.
DetectorLoopMonitored, no alarm from single scan fault The DetectorLoopMonitored control module type (SupervisionLib) handled fault conditions of short duration incorrectly. If a fault condition (e.g., cable break or short circuit) was active for only one scan, the module would internally latch the fault, but there would be no alarm generated or presented. 800xACON-OL-5020-062	This problem has been corrected in SupervisionLib.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
Incorrect behavior of VelocityLimiterReal when using negative Values VelocityLimiterReal function did not correctly handled when one or more of the inputs OutIncLim, OutDecLim, TolPos or TolNeg had a negative value. 800xACON-OL-5020-065	This problem has been corrected in ControlSimpleLib.
Wrong aspect link in SingleLoop faceplate Control module in ControlSolutionLib for "trend display". Trend Display aspect link was opening the Config View instead of the Main View. 800xACON-OL-5100-103	This problem has been corrected in ControlSolutionLibGraphExt.
Missing reset button The faceplate and interaction window for the drives object (ACStdDriveM, ACStdDrive, DCStdDriveM, DCStdDrive, EngDriveM and EngDrive) was missing a reset button. When the motor had been set in Priority mode, it could only be reset by the AlarmsAck parameter. 800xACON-OL-5100-104	This problem has been corrected in ProcessObjDriveLib.
Detection of limit values for analog output objects The out-modules used in a control connection chain have got a different backwards signaling. Max- and Min-Reached are no longer set on Max and Min range but is set when the range is passed. This change affects the following modules: AnalogOutCC, SignalOutRealM, ThreePosCC, PulseWidthCC, SignalSimpleOutRealM, ACStdDriveM, DCStdDriveM, and EngDriveM. 800xACON-OL-5100-105	This problem has been corrected in ControlStandardLib, ProcessObjDriveLib and SignalLib.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
Alarm & Event lists not available from faceplates When a language pack was installed, navigation from AC 800M faceplates to alarm and event lists did not work. 800xACON-OL-5100-110	This problem has been corrected in GraphicSupportLib
Function blocks SignalSimpleInReal and SignalInReal using OSP value when warning is active The value on parameter In was not passed to parameter Out for function blocks SignalInReal and SignalSimpleInReal when warning was active, instead OSP value was used. If OSP was configured as pass through the function was correct, but for other settings the OSP value was activated already when warning became active. 800xACON-OL-5101-024 Product Bulletin: 3BSE047421D0160	This problem has been corrected in SignalLib.
VelocityLimiterCC output freezes if disabled when backtracking While VelocityLimiterCC is backtracking and then when it is disabled, the Out.Forward.Value will no longer freeze but will continue to track backtracked value. The internal state (Out.Forward.Value) is used for value back instead of Out.Backward.Value. 800xACON-OL-5110-015 Product Bulletin:3BSE047421D0152	This problem has been corrected in ControlStandardLib.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
Oscillating of the PID output when leaving Max reached/Min reached PIDCC and PidAdvancedCC, output does not oscillate when leaving Max-/Min-Reached. 800xACON-OL-5110-020 Product Bulletin: 3BSE047421D0152	This problem has been corrected in ControlStandardLib.
During windup mode, PidCC and PidAdvancedCC, sends back Pv in Sp.Backward.Value. A general condition for backtracking to the Sp input is that an upstream object exists that has a possibility to catch a backtracked value to an internal state, but also for an EFR controller algorithm to be able to work on that value. 800xACON-OL-5140-010	This problem has been corrected in ControlStandardLib.
S100	
S100: Optical S100 connection not working properly S100 IO Problem with Long Optic Fiber Cables. There could be communication failures with S100 IO modules when using long optic fiber cables between the CI856 and the S100 IO racks. 800xACON-OL-5110-018	This problem has been corrected in CI856S100HwLib.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
High Integrity	
AI880 and DI880 SIL3 discrepancy An internal channel error on a AI880/DI880 caused a discrepancy on the connected RealIO/BoolIO variable. If this value in turn affects the value of a SIL3 output this could lead to a controller shutdown. 800xACON-OL-5020-063	This problem has been corrected in the AC 800M High Integrity firmware.
Safety shutdown at download with cold restart In rare occasions the AC 800M HI controller shutdown at download if Cold Restart was selected for a SIL3 application. 800xACON-OL-5020-070	This problem has been corrected in the AC 800M High Integrity firmware.
Controller unintentionally halted due to falsely detected interrupt. A single or dual AC 800M HI controller would if falsely detecting an interrupt designated for hardware diagnostics unintentionally halt. 800xACON-OL-5020-067 Product Bulletin: 3BSE047421D0173	This problem has been corrected in the AC 800M High Integrity firmware.
Alarm/Event	
OPC AE Subscription Stop Working AC 800M OPC Alarm & Event subscription could fail for systems with certain network configurations if an MMS A/E connection was broken and later re-established with a different source IP address than originally. 800xACON-OL-5020-058 Product Alert: 3BSE047421D0130	This problem has been corrected in the AC 800M firmware.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
Control Builder	
Control Builder FBD Online view shows incorrect values In Online mode, the Control Builder's FBD view could sometimes display incorrect actual values. Typically, output values from simple assignment blocks would be displayed as zero or false even when the value was non-zero. 800xACON-OL-5020-064	This problem has been corrected in Control Builder.
Load Evaluate Go evaluation not reporting all alarms, if alarm burst occurs If an alarm burst occurred during Load Evaluate Go, the evaluation report might fail to present some of the alarms. Single alarm activations during Load Evaluate Go were presented correctly. 800xACON-OL-5020-056	This problem has been corrected in the Control Builder.
Compiler Statistics does not show all Applications The Control Builder's Compiler Statistics tool was only able to include a limited number of applications in the produced statistics. The content of the excess applications was ignored. 800xACON-OL-5100-093	This problem has been corrected in Control Builder.
Difference Report - Hardware Library A change in minor version or revision figures of a hardware library was not shown in Difference Report. 800xACON-OL-5100-111	This problem has been corrected in Control Builder.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
Control Builder SFC force commands associated with wrong permission In previous versions, the SFC force commands in the Control Builder (Hold, Reset, Force Forward, Force Backward) required the 'Operator Configure' permission. This was not correct, the 'Force SFC' should be used. 800xACON-OL-5140-002	This problem has been corrected in Control Builder. The SFC force commands now require the 'Force SFC' permission.
Communication	
Modbus, FB MBConnect hanged with error -7000 after Double Power Failure Modbus RTU through the CI853 Could Fail after Power Fail Modbus Communication of Modbus RTU master on the serial interface of the CI853 with slaves could fail in case of repeated power failures on the AC 800M controller. The MBConnect block did show -7000 error status. 800xACON-OL-5020-068	This problem has been corrected in ModBusHwLib.
CI867 Resetting- Frequent disconnections on Modbus TCP network with CI867, acting as slave to external master, would lead to reset of CI867 Modbus TCP interface CI867 could Crash CI867 Modbus TCP interface could crash when acting as slave to external master if there were repeated disconnections on the network. 800xACON-OL-5100-102	This problem has been corrected in CI867ModbusTcpHwLib.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
CI867: Connect fails with -7001 for 75 seconds at removal of ethernet cable Modbus TCP Communication Failure During Switchover The Modbus TCP communication could fail with certain slaves for about 75 seconds in case of CI867 switchover and the CI867 acted as master.This was specific to slaves that did not respond in time to the disconnect requests from the CI867 during the switchover. 800xACON-OL-5100-106	This problem has been corrected in CI867ModbusTcpHwLib. Now the communication failure time has been reduced to a couple of seconds during a CI867 switchover.
Safe Peer-to-Peer Communication Timeout The default timeout for the MMSRead Control Modules for Safe P2P communication is 2 seconds. This was sufficient to handle a single TCP retransmission, but double TCP retransmissions could occur infrequently, depending on network and controller load. 800xACON-OL-5020-008	This problem has been corrected in the AC 800M firmware. General networks stack improvements decreased the retransmission interval from version 5.1.1 t to better handle shorter timeouts.
Controller	
Switching of Redundant Networks If two controllers were communicating over a network (several switches) and a network failure occurred on the primary network between the controllers, but communication between the primary and the backup network of the controller itself still worked, the controller did not switch to the secondary network. 800xACON-OL-5020-071	This problem has been corrected in the AC 800M firmware.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
AC 800M Controller Firmware 6.0.0, Controller Crash during Recovery from Repeated Network Storms When AC 800M Controller is recovering from repeated network storms, that is several short networks storms in a row, the controller could crash. The problem has only been observed in test lab environment with a high number of network connections and high communication load. Note: This problem only existed in version 6.0 and was never released in an AC 800M High Integrity Controller Firmware. 800xACON-OL-6000-005 Product Bulletin: 3BSE081800D0004	This problem has been corrected in the AC 800M Process Automation Controller Firmware in 6.0.0-0 TC2.
Shut down of Redundant Controller having a disturbed Modulebus A redundant controller could perform a shut down if there were disturbances on the modulebus (like bad fibers, IO-modules going up and down and so on). 800xACON-OL-5020-072	This problem is corrected in AC 800M Controller firmware.
PM891 TCP MMS Send buffers filled up In rare cases PM891 communication buffers were not released correctly, causing problems with TCP/IP communication. 800xACON-OL-5100-118	This problem has been corrected in the AC 800M firmware (PM891).
Diagnostic Overview Communication Variables not Fully Updated After Cold Start Diagnostic Overview Communication variables was empty and never updated after a Cold download to the controller. 800xACON-OL-5110-037	This problem has been corrected in the AC 800M Controller Firmware.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
Latched Error & Warning after first download After cold download to the controller when using variables of simple data types, for example, Bool or Real, the unit status latched errors and warnings would indicate channel error. 800xACON-OL-5110-009	This problem has been corrected in Control Builder. This could be avoided by using structured IO data types such as BoolIO and RealIO.
Increase robustness for CEX interface drivers. Accessing CI855 over CEX bus could give spurious CEX bus timeouts which caused communication stop. A retry mechanism has been introduces in the CEX bus driver to make it more robust against these sporadic errors. The change has indirect effect on CI units using same CEX driver components i.e. MB300 (CI855), S100 (CI856), PROFINETIO (CI871), FF HSE (CI860), Profibus (CI854), Insum (CI857) and DriveBus (CI858). 800xACON-OL-5020-061	This problem has been corrected in AC 800M controller firmware.
Increased Frequency of Backup Controller Stop due to LDB Buffer Overflow It was observed that redundant AC 800M controllers PM866 and PM865 with controller firmware versions 5.1.1-2 or 5.1.1-2 CC1 had an increased frequency of experiencing the problem Backup CPU error 'LDB Overflow in Backup'. 800xACON-OL-5112-002 Product Bulletin: 3BSE047421D0175	This problem is corrected in AC 800M Controller firmware.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
Wrong Severity assigned to Task Abort and Latency system alarms In earlier versions, the AC 800M system alarms for Task Abort and Latency were assigned Severity=High. This was incorrect. Task Abort shall have severity Fatal, and Latency shall have severity Medium. 800xACON-OL-5101-018	This problem has been corrected in the AC 800M firmware. Task Abort alarms now get severity=Fatal, and Latency alarms get severity Medium.
EtherNet/IP	
Network check in CI873 has to be corrected EthernetIP – Download Aborted due to Sub Network Download of project from Control Builder was aborted if CI873 and the EthernetIP slave devices configured under it in the hardware tree in Control Builder were in the same sub network. Error message displayed: “Device is in different subnet that CI873” 800xACON-OL-5100-107	This problem has been corrected in CI873EthernetIPHwLib.
Maximum Configurable RPI Rate for LD 800DN and Other EthernetIP Devices Maximum configurable RPI rate for LD 800DN needed to be increased for LD 800DN and other Ethernet/IP devices. This would give option to the user to increase the RPI rate, if the load on the CI873 was high. 800xACON-OL-5100-123	This problem has been corrected in CI873EthernetIPHwLib in AC 800M Connect.

Table 27. Resolved in 800xA 6.0 - Operation Issues

Issue	Correction or Fix
Over Range/Under Range Should be Supported for DNet and EIP Analog Modules EthernetIP and DeviceNet Modular IO did not Show Overflow and Underflow. Overflow and underflow indication was not shown for analog channels for EthernetIP and DeviceNet modular IO modules. 800xACON-OL-5100-069	This problem has been corrected in the Device Import Wizard integrated with Control Builder.
OPC Server	
Bad OPC Quality on structured Communication Variables' Status component When fetched from a controller via the OPC Server, the value of the Status component of a structured Communication Variable sometimes erroneously appeared as Bad or Uncertain. All other components of the Communication Variable would appear Good. 800xACON-OL-5100-109	This problem has been corrected in AC 800M OPC Server.

Resolved in 800xA 6.0.0 from 800xA 5.1

Use this section to know the additional issues resolved for AC 800M when upgrading from 800xA 5.1 Rev D (product version 5.1.0-3). A brief description of the correction has been given wherever possible.

Administration

Table 28. Resolved problems from 800xA 5.1 Rev D - Administration Issues

Issue	Correction or Fix
I/O status for CI873,CI872, and CI869 indicates Ok before receiving *Waiting for Init* at hot insert I/O status for CI873,CI872, and CI869 indicates Ok before receiving Waiting for Init at hot insert The I/O channel status for I/O under the CEX modules CI869(AF100), CI872(MOD5) and CI873(EthernetIP/Devicenet) displayed Ok (I/O Unit with no errors) for a short moment (approximately, 1s) during hot insert process, before it received the status Waiting for init. 800xACON-AD-5100-031	This problem has been corrected in CI869AF100HwLib, CI872MTMHwLib and CI873EthernetIPHwLib.
DeviceNet	
Re-import of EDS file after the Version change is displayed as aborted import If the user tried re-import of an EDS file with higher major version using DIW in Control builder, the import was successful. However the indication of the import was seen as aborted import on page 1 of the Device Import Wizard. 800xACON-AD-5100-019	This problem has been corrected in Control Builder.

Table 28. Resolved problems from 800xA 5.1 Rev D - Administration Issues

Issue	Correction or Fix
No status indication in Control Builder DeviceNet I/O modules There were no status indication in Control Builder while removing the I/O module for DeviceNet or swapping I/O module to a new position, which was different from Control Builder configuration. 800xACON-AD-5101-008	This problem has been corrected in CI873EthernetIPHwLib.
High Integrity	
Controller crash when SM Link cable is removed during hot-Insert of SM811 If SM Link cable was removed from primary SM811 during hot-insert of backup SM811, this resulted in a controller shut down. 800xACON-AD-5020-030	This problem has been corrected in the AC 800M High Integrity firmware.
Controller Shutdown during Online Upgrade if I/O Unit in B position A act as Primary when Configured for Hot-Replacement High Integrity controller might perform a dual shutdown during Online Upgrade (OLU) if Modulebus I/O is configured as Hot Replacement and any of the I/O Units in position B in the module termination unit (MTU) acted as Primary. 800xACON-AD-5020-035 Product Bulletin: 3BSE047421D0144	This problem has been corrected in the AC 800M High Integrity firmware.

Table 28. Resolved problems from 800xA 5.1 Rev D - Administration Issues

Issue	Correction or Fix
Control Builder	
SIL3 I/O Connection is changed with Online Upgrade, the I/O is Degraded to SIL2 If Online Upgrade procedure was performed and there were pending, uncommitted change in the controller configuration, this lead to degradation of SIL3 DO880 I/O to SIL2. 800xACON-AD-5020-036 Product Alert: 3BSE047421D0153	This problem has been corrected in Control Builder. The compiler prevents Online Upgrade if there is pending I/O connection changes.
Control Builder crash when copy and paste single diagram In some cases copy and paste of a single diagram could lead to a Control Builder crash. 800xACON-AD-5140-002	This problem has been corrected in Control Builder.
Controller	
PM891 Network Port configuration Mismatch with Switch Port after Controller Startup without Active Network A problem has been found where PM891 after a power failure or at a CPU switchover could use wrong Ethernet port settings. This concerns the case when explicit settings have been chosen, that is Auto Detect is not desired. 800xACON-AD-5100-040 Product Bulletin: 3BSE047421D0150	This problem has been corrected in the AC 800M firmware (PM891).

Configuration

Table 29. Resolved problems from 800xA 5.1 Rev D - Configuration Issues

Issue	Correction or Fix
High Integrity	
Possible data mix-up with bidirectional Inter Application Communication A possible data mix-up could have happened when a user-defined data type used for bidirectional Inter Application Communication between two controllers was changed. This problem occurred if there was only one component of simple data type in any of the directions (with/without the Reverse attribute) and any of the following attributes of that simple component was changed: 1. The name 2. The Reverse setting **Note**: A corresponding modification of the user application (reading/writing) was necessary in order not to get a compilation error. 800xACON-CN-5100-041	This problem has been corrected in the AC 800M High Integrity firmware.
Controller might shut down if the task name is sub-part of SIL3 application name In rare cases, depending on creation order, a High Integrity Controller would have shut down when a task name was a sub-part of the SIL3 application name. 800xACON-CN-5020-072	This problem has been corrected in the AC 800M High Integrity firmware.

Table 29. Resolved problems from 800xA 5.1 Rev D - Configuration Issues

Issue	Correction or Fix
Too many SIL3 applications lead to controller shutdown. The maximum number of SIL3 applications allowed in one controller is 8, but there was no check for this in the Control Builder. If too many SIL3 applications was downloaded to a controller, a safety shutdown did occur. 800xACON-CN-5110-003	This problem has been corrected in Control Builder.
Modulebus discrepancy when changing clamp setting for SIL3 I/O. Using Hot-replacement configuration of ModuleBus I/O in SIL3 applications could cause discrepancy for the channel status of the I/O channels. 800xACON-OL-5020-048	This problem has been corrected in the AC 800M High Integrity firmware.
IEC 61850	
Import Wizard shows Warning with incorrect count of CI868 subscribed datasets. Import Wizard showed Warning in CCF View with incorrect count of CI868 subscribed datasets. 800xACON-CN-5100-026	This problem has been corrected in Device Import Wizard / Control Builder.

Table 29. Resolved problems from 800xA 5.1 Rev D - Configuration Issues

Issue	Correction or Fix
EtherNet/IP and DeviceNet	
DeviceNet stop working when performing cold co-existence download If a cold co-existence download was attempted i.e. download from 5.1 RU3 to controller firmware 5.1, 5.1 RU1 or 5.1 RU2 DeviceNet communication did not resume operation but showed hardware error “showing not preferred version”. A cold download will be performed either if the controller is empty of application program after e.g. a crash or a failed power fail resulting in removed applications. 800xACON-CN-5103-001	Upgrade controller firmware to the current release and perform the cold download. This problem has been corrected in CI873EthernetIPHwLib.
DeviceNet Devices with configurable connection sizes are not supported CI873 with LD 800DN could not communicate with DeviceNet devices for which the connection size depended on the configuration. 800xACON-CN-5100-008	This problem has been corrected in CI873EthernetIPHwLib.
Only Devices with a Maximum of 100 Parameters Supported on DeviceNet Only devices with less than or equal to 100 parameters were supported on DeviceNet. Any device that had more than 100 parameters could not be configured. 800xACON-CN-5100-019	This problem has been corrected in Control Builder.

Table 29. Resolved problems from 800xA 5.1 Rev D - Configuration Issues

Issue	Correction or Fix
Re-configuration of DeviceNet devices through Control Builder will interrupt communication The input and output communication were stopped for re-configuration of the following communication parameters of DeviceNet devices: • Electronic keying • MAC ID change • Trigger type • Heart beat • Ack time • Inhibit time 800xACON-CN-5101-011	This problem has been corrected in Control Builder.
Re-configuration of DeviceNet parameters for LD 800DN causing network to stop and restart Hot Configuration In Run (HICR) did not work for DeviceNet when certain parameter changes were made. If any of the configurable parameters Interscan delay, Expected packet ratio, ADR enable flag or Background poll ratio of LD 800DN were changed in Control Builder during re-configuration, the communication for the DeviceNet network would be stopped and restarted again. 800xACON-CN-5101-012	This problem has been corrected in CI873EthernetIPHwLib.
EDS Selection page does not save the user input regarding the files selected EDS Selection page does not save the user input regarding the files selected. 800xACON-CN-5101-014	This problem has been corrected in Control Builder.

Table 29. Resolved problems from 800xA 5.1 Rev D - Configuration Issues

Issue	Correction or Fix
Re-import of modular I/O EDS file shows the default channels in Device import wizard Re-import of modular I/O EDS file showed the default channels in Device Import Wizard. 800xACON-CN-5101-015	This problem has been corrected in Control Builder.
Library	
Wrong property parameter Min Range for SignalOutRealM. In the aspect Trend Signal Properties, the parameter Out.Value had wrong property in the box Min Range. 800xACON-CN-5020-067	This problem has been corrected in SignalLib.
Controller	
Passive Load Evaluate Go (LEG) Application Overrule Outputs for Active Application During very special circumstances both the Active and Passive application could get the same state at the same time (i.e. both become Active or both become Passive). In this case the outputs did not reflect the values from the indicated Active application. 800xACON-CN-5020-076 Product Alert: 3BSE047421D0132	This problem has been corrected in the AC 800M firmware.

Table 29. Resolved problems from 800xA 5.1 Rev D - Configuration Issues

Issue	Correction or Fix
Control Builder	
Alarm blocks with top level diagram as alarm owner and no source name not working Alarm blocks with top level diagram as alarm owner and source name not connected was not working. This problem occurred if an object in the top level diagram (directly on top level) was breaking the alarm owner chain. 800xACON-CN-5100-066	This problem has been corrected in Control Builder.
Diagram errors when Locale set to non-latin language If characters not defined in code page 1252 (West European Latin) were used in Diagrams, this caused compile errors or shutdown. This could happen if the system locale of the PC running Control Builder was set to for example, Greek or Chinese. 800xACON-CN-5100-079	The problem has been corrected in Control Builder.
Search and Navigation not finding in_out parameters in Diagrams Searching for a parameter with direction in_out with the Search and Navigation tool did not find any Diagram instances. 800xACON-CN-5110-023	This problem has been corrected in Control Builder.

Operation

Table 30. Resolved problems from 800xA 5.1 Rev D - Operational Issues

Issue	Correction or Fix
Controller	
Wrong Access rights for Confirmed Write. The access right for one variable might under special circumstances assume the access right of the same variable as configured on a different object level. The problem could only occur if the same variable has different access levels configured on different hierarchical levels in the application. 800xACON-OL-5010-042 Product bulletin: 3BSE047421D0146	Use same access right configuration for a variable on all hierarchical levels in the application. This problem has been corrected in the AC 800M High Integrity firmware.

Resolved in 800xA 6.0.0 from 800xA 5.1 Feature Pack

Use this section to know the additional issues resolved for AC 800M when upgrading from 800xA 5.1 FP4 Rev D (product version 5.1.1-2). A brief description of the correction has been given wherever possible.

Administration

Table 31. Resolved problems from 800xA 5.1 FP4 Rev D - Administration

Issue	Correction or Fix
Controller FW	
Controller crashed when CI860 was hot removed. When a hot-remove of CI860 was performed second time, in a rare case resulted in a controller crash. 800xACON-AD-5020-032	This problem has been corrected in the AC 800M firmware.
Downgrade of controller firmware Downgrade of controller firmware from a new version to an older version, using Control Builder of the older version was not possible. 800xACON-AD-5110-018	This problem has been corrected in the AC 800M firmware.
OLU Failed in Controller Switchover A timing issue could in rare case cause an OLU to be interrupted and a rollback initiated. This problem did not affect High Integrity controllers. 800xACON-AD-5110-019	This problem has been corrected in the AC 800M Controller Firmware.
EtherNet/IP DIW	

Table 31. Resolved problems from 800xA 5.1 FP4 Rev D - Administration

Issue	Correction or Fix
Error 'Unable to get parameter no=361' observed during 1794 AENT download Error after Import of EDS File – Scaling of Parameters When hardware types for some devices was inserted in the hardware tree, the following error message “Unable to get parameter no=xx” was displayed during download to controller. This happened after importing from EDS files which had parameters of data type other than real with scaling values. 800xACON-AD-5100-037	This problem has been corrected in the Device Import Wizard integrated with Control Builder.
High Integrity	
Backup SM fail at download Configuring many Communication Variables in a SIL3 application could make the backup SM811 fail at download. Product Bulletin: 3BSE047421D0176 800xACON-AD-5110-014	This problem has been corrected in the AC 800M High Integrity firmware.
Library	
PidCC and PidAdvancedCC with MaxReached set in Out.Backward not bump-less during download A bump on the output proportional to the Gain if the PID occurred when performing a re-configuration download and PidCC or PidAdvancedCC had MaxReached set in Out.Backward. 800xACON-AD-5110-015 Product Bulletin: 3BSE047421D0186	This problem is corrected in ControlStandardLib and ControlSupportLib.

Table 31. Resolved problems from 800xA 5.1 FP4 Rev D - Administration

Issue	Correction or Fix
Consistency Checker error when creating new major version of library If a new major version is created from a library that was created in SV5.1 or earlier, the Consistency Checker will report “Missing predecessor info in member Diagram Types”. Previously there was no possibility to correct the inconsistency. 800xACON-AD-5110-017	With this version of AC 800M Connect, the consistency error can be easily corrected in the Consistency Checker tool.
IEC 61850	
Hardware object names provided for CI868, LD, and LN in Control Builder M was not updated in icd/cid file Names provided for Hardware objects CI868, LD and LN in the Hardware Object Insert Dialog in Control Builder M does not update the icd file during icd export. 800xACON-AD-5100-032	This problem has been corrected in Control Builder. The Name field of the Hardware Object Insert Unit Dialog is disabled as it is not required to provide any Object Names while inserting CI868, LD and LN Hardware objects in Control Builder.
Upgrade CI868 FP3 -> FP4. GOOSE LN0 Health Var disconnected CI868 LN0 Health variable disconnection upon migration. While migrating to newer Control Builder M version, the variable connected previously under LN0 Health IO channel gets disconnected after migration. 800xACON-AD-5110-009	This problem has been corrected in the Device Import Wizard integrated with Control Builder. The connected variables shall be retained after Migration.

Table 31. Resolved problems from 800xA 5.1 FP4 Rev D - Administration

Issue	Correction or Fix
Support CI868 MMS Receive for RCBs containing LLN0 and LPHD signals - CI868 Sw IEC61850 Wizard did not import RCBs containing signals from LPHD and LLN0 Logical Nodes assigned to CI868. 800xACON-CN-5110-016	This problem has been corrected in the Device Import Wizard integrated with Control Builder.
IEDCommandSend: FB is not sending Direct Mode Close command properly IEDCommandSend Function block did not send proper Commands to IED for controlling Control Breaker in Direct Mode Operation. 800xACON-CN-5110-017	This problem has been corrected in ProcessObjBasicLib.
IEC61850 Wizard to allow Import of Inconsistent Header Scd file with Warning IEC61850 Wizard Handling of Inconsistent SCD-File. IEC61850 Wizard did not provide proper error messages while aborting import of inconsistent SCD-file with invalid schema. 800xACON-CN-5110-031	This problem has been corrected in the Device Import Wizard integrated with Control Builder.
IEC 61850 Wizard Throws 'Invalid SCD File' Error while Importing Inconsistent SCD-Files The IEC 61850 Device Import Wizard could throw 'Invalid SCD File' error due to Schema validation failure while importing inconsistent scd-files (Eg. Duplicate LNs under Substation / Voltage Level Bay). 800xACON-CN-5110-044	This problem has been corrected in IEC 61850 Device Import Wizard in Control Builder. Inconsistent scd-file handling has been improved. Any scenario leading to SCL schema validation failure shall be logged in IEC 61850 Wizard log as generic message: "Error detected in SCD-file by Parsing Component. Import Aborted".

Configuration

Table 32. Resolved problems from 800xA 5.1 FP4 Rev D - Configuration

Issue	Correction or Fix
Read communication error on INSUM units after download to the controller INSUM Receive FB showed Error Code-19 INSUM Receive function blocks showed error code -19 after a re-configuration download of the application. 800xACON-CN-5020-078	This problem has been corrected in the INSUMCommLib.
Name of Parameter in DO818 Hardware Definition not Correct The internal name on OSP parameter for channel 26 in DO818 for ModuleBus was wrong and have now been corrected. This change is only relevant if accessing parameters via open interface. 800xACON-CN-5110-040	This problem has been corrected in S800IoModulebusHwLib in AC 800M Connect.
ProfinetIO DIW	
PROFINET Device Import Wizard reported error due to CIGIO buffers When importing a gsd file for a device having many parameters on module/submodule level, the number exceeded the supported limits and the import failed. Errors were listed in the conversion results (final page of DIW) and session log of Control Builder. As a result, hardware units could not be inserted into the hardware library. 800xACON-CN-5100-055	This problem has been corrected in Control Builder Device Import Wizard.

Table 32. Resolved problems from 800xA 5.1 FP4 Rev D - Configuration

Issue	Correction or Fix
PROFINET Device Import Wizard: Data type 'Float32+Status8' not implemented When a gsdml with Float32+Status8 is imported, there is an error message for each channel which uses this type. Error message: “Data type [Float32+Status8] not implemented. No channels are created for it!” 800xACON-CN-5100-063	This problem has been corrected in Control Builder Device Import Wizard.
Profibus DIW	
DIW/PROFIBUS parser generates CB warning subunits, Logical Numbers Discrete Number Error after Import of GSD File – Sub Unit Numbering Warning message was displayed during download of a project with some PROFIBUS devices that has been added in Control Builder after importing from the GSD file. Error message displayed: "Warning in the input file line xx: subunits, and Logical Numbers Discrete Numbers are mutually exclusive.” 800xACON-CN-5100-059	This problem has been corrected in the Device Import Wizard integrated with Control Builder.
PROFIBUS	
I/O values does not freeze for the reconfigured watchdog time (CI854 settings). PROFIBUS Slave Failed to Report Connection Down. The PROFIBUS slave did not report connection down in the Unit status in Control Builder as per the configured watchdog time for the CI854. 800xACON-CN-5100-060	This problem has been corrected in the CI867ModbusTcpHwLib.

Table 32. Resolved problems from 800xA 5.1 FP4 Rev D - Configuration

Issue	Correction or Fix
EtherNet/IP DIW	
Issues with 1732E 16 Input I/O EtherNet/IP ArmorBlock I/O:1 Error after Import of EDS File – ENUM Values. There could be error/warnings after importing an EDS files for certain devices having parameters fields that had ENUM values. Such EDS files were not imported correctly hence the error. 800xACON-CN-5100-061	This problem has been corrected in the Device Import Wizard integrated with Control Builder.
Issues with 1732E 16 Input I/O EtherNet/IP ArmorBlock I/O Problem Importing EDS File – Mapping Subset of IO Byte There is a problem is importing an EDS file in creating channels when the user wants to map only a subset of the IO bytes. 800xACON-CN-5100-062	This problem has been corrected in the Device Import Wizard integrated with Control Builder.
After re-import of EDS files using Device Import Wizard and replacing the hardware types some parameter values was not updated. In some cases, some of the configuration done during the re-import of EDS files was not seen for the instance of the hardware type when it was replaced in the hardware tree after the re-import. 800xACON-CN-5110-012	This problem has been corrected in Control Builder Device Import Wizard.

Table 32. Resolved problems from 800xA 5.1 FP4 Rev D - Configuration

Issue	Correction or Fix
EtherNet/IP	
Control Builder crash observed while DIW cancel of importing EDS files Control Builder Could Crash if EDS Import was Canceled Control Builder could crash if the user canceled the import of an EDS file during the import process. 800xACON-CN-5100-073	This problem has been corrected in the ModBusHwLib.
Multiple Signal Range Parameters Shown for Analog Modules in Ethernet/IP Signal Range parameters for analog modules was generated twice in HWD file. 800xACON-CN-5110-038	This problem has been corrected in EthernetIP Device Import Wizard in Control Builder.
High Integrity	
Moving variable connected to SIL3 Communication Variable could cause variable discrepancy Moving a Communication Variable (CV) variable on the server side from one controller to another, for example, changing from controller internal to controller external CV or vice versa, could lead to discrepancy for the CV on the client side, that is, the value in SM811 and PM865 are not the same. Also changing the direction of bidirectional Communication Variables could cause discrepancy. 800xACON-CN-5110-009	This problem has been corrected in the AC 800M High Integrity firmware.

Table 32. Resolved problems from 800xA 5.1 FP4 Rev D - Configuration

Issue	Correction or Fix
AC 800M HI Controller Shutdown when using Load Evaluate Go (LEG) after Power Fail or Online Upgrade (OLU) AC 800M High Integrity controller will shut down during Load Evaluate Go (LEG) after Power Fail or Online Upgrade (OLU). 800xACON-CN-5110-033 Product Bulletin: 3BSE047421D0156	This problem has been corrected in the AC 800M High Integrity firmware.
IEC 61850	
CI868 Hardware Library 2.x is Not compatible with AC800M Controller running FP4 CI868 Hardware Library 2.x is Not compatible with AC 800M Controller running FP4 firmware. Thereby CI868 Hardware Library 3.x should be used mandatorily with AC 800M controller upgraded/running on FP4 firmware or while performing Online Upgrade to FP4. 800xACON-CN-5110-014	This problem has been corrected in CI868IEC61850HwLib.
Missing attributes of Dataset Signals Not fully recorded in IEC61850 Wizard Log. IEC61850 Wizard Logging of Missing Signal Attributes Missing 'q' attributes of dataset signals was not recorded entirely in IEC61850 Wizard Log. 800xACON-CN-5110-025	This problem has been corrected in the Device Import Wizard integrated with Control Builder. IEC61850 Wizard shall log all missing 'q' attributes for Dataset signals assigned to CI868.

Table 32. Resolved problems from 800xA 5.1 FP4 Rev D - Configuration

Issue	Correction or Fix
CI868 does Not start after Import scd file in Control Builder M and Application Download. CI868 does Not start after Application Download. Importing scd-file containing CI868 subscribing to RCB signals from many LDs under each IED lead to large number of Hardware objects and IO channels in the Control Builder M hardware tree. Downloading such project increased the CI868 startup time beyond the controller timeout value thereby halting the CI868 module. 800xACON-CN-5110-026	This problem has been corrected in CI868IEC61850HwLib.
CI868 FW error & Restart when only GOOSE signal present in any IED for MMS scd. CI868 Firmware Error & Restart when only GOOSE signals was configured from certain IEDs to CI868 while other IEDs configured with MMS signals to CI868. 800xACON-CN-5110-027	This problem has been corrected in CI868IEC61850HwLib.
IEC61850 Wizard generated CID/ICD File GSESettings attribute needs correction. CI868 CID/ICD File attribute Error. CI868 CID or ICD file generated from Control Builder does contain GSESetting attribute 'dataSet' instead of 'datSet'. Because of this the dataset cannot be assigned to any GCB in IET600 version 5.3 or higher. 800xACON-CN-5110-030	This problem has been corrected in the Device Import Wizard integrated with Control Builder.

Table 32. Resolved problems from 800xA 5.1 FP4 Rev D - Configuration

Issue	Correction or Fix
CI868 Restart during re-configuring the Hw channel settings (IO ch Inversion) CI868 Error on IO Channel Inversion. CI868 Module goes to error state upon setting IO Channel Inverted parameter to True and Download. 800xACON-CN-5140-006	This problem has been corrected in CI868IEC61850HwLib.
Control Builder	
Control Builder crash when reserving Diagram On rare occasions, the Control Builder could crash when a Diagram was reserved, especially if application changes had just been made that affected the Project Explorer view. 800xACON-CN-5110-034	This problem has been corrected in Control Builder.
Communication Variables - Missing warning for Expected SIL Configuring Expected SIL for a Communication variable of simple data type with direction Out in a SIL application did not generate any warning message. Configuring Expected SIL for CV Out is not applicable - the CV always has the same SIL as the application. 800xACON-CN-5110-035	This problem has been corrected in Control Builder.

Table 32. Resolved problems from 800xA 5.1 FP4 Rev D - Configuration

Issue	Correction or Fix
Erroneous restriction against multiple connections from Out ports in Diagrams In some cases when multiple connections were made to an Out port, this was erroneously considered as an error with the message 'Multiple connections are not allowed in both source and destination'. The problem affected both Function Diagrams and Control Diagrams 800xACON-CN-5140-002	This problem has been corrected in Control Builder.
Private Control Modules prevent use of Phase Parameters and Control Properties. If a Control Module Type was set to Private, it was not possible to add or modify Batch Phase parameters, or Control Properties aspects. 800xACON-CN-5140-003	This problem has been corrected in AC 800M Connect.
Communication	
TCPCommLib portability error TCPCommLib was not possible to insert in some systems not using English as display language. 800xACON-IN-5110-001	This problem has been corrected in TCPCommLib.
Diagram	
Problems when importing Diagrams to Bulk Data Manager When Diagrams were dragged-and-dropped to BDM, there were error messages and some diagram properties were lost. 800xACON-CN-5100-078	This problem has ben corrected in AC 800M Connect.

Table 32. Resolved problems from 800xA 5.1 FP4 Rev D - Configuration

Issue	Correction or Fix
Adding Join or Split in Diagram Could Cause a Crash in Editor If already having a Join or Split with very short name, two characters or less, adding a new Join or Split in the diagram could cause a editor to crash. 800xACON-CN-5110-045	This problem has been corrected in Control Builder.

Operation

Table 33. Resolved problems from 800xA 5.1 FP4 Rev D - Operational Issues

Issue	Correction or Fix
Communication Variables latched with bad status during LEG Session Communication Variables configured for manual acknowledge latched with bad status when an application change was downloaded using Load-Evaluate-Go, requiring a manual clear of the status before making the passive application active (Go command) 800xACON-OL-5110-026	This problem has been corrected in the AC 800M firmware.
TCPRead did not always return all bytes to read. The TCPRead block in TCPCommLib has been corrected and now stays in pending state until the requested number of bytes has been returned. 800xACON-OL-5110-027	This problem has been corrected in TCPCommLib.
RNRP out of sync In rare situations an RNRP internal state could get out of sync, leading to a failure to handle network redundancy. This situation was shown by the RNRP Fault Tracer Tool as “RNRP: SystErrLog=590, errNo=1074855937” 800xACON-OL-5110-028	This problem has been corrected in the AC 800M firmware.
PM891 crash at network storm A PM891 using RNRP could crash if exposed to a network storm. 800xACON-OL-5140-007	This problem has been corrected in the AC 800M firmware (PM891).

Table 33. Resolved problems from 800xA 5.1 FP4 Rev D - Operational Issues

Issue	Correction or Fix
Memory Leak in Control Builder when Going Online with Several Diagrams Open Control Builder was having memory leak when to on-line and off-line mode repeatedly with several diagrams open. 800xACON-OL-5110-033	This problem has been corrected in Control Builder.
RNRP Route Add Returns Bad Status During stress RNRP could return error status (SystErrLog= 590, 591, 593, 595 or 596) and in rare case fail to add network route. 800xACON-OL-5110-030	This problem has been corrected in the AC 800M Controller Firmware.
Controller Total Load at 100% When Network Messages Pending If a problem with network communication causing continued retry to read or write this could lead to the controller load reaching 100%. In rare case the load could stay at 100% for a long time. If total load is 100% in High Integrity controller for 24h this would lead to a controller shut down. 800xACON-OL-5110-035	This problem has been corrected in the AC 800M Controller Firmware.
Online Upgrade Increasing Communication Load for Internal MMS Communication Internal MMS communication could be handled as external MMS communication after OLU and cause some increased communication load. 800xACON-OL-5140-012	This problem has been corrected in the AC 800M Controller Firmware.

Table 33. Resolved problems from 800xA 5.1 FP4 Rev D - Operational Issues

Issue	Correction or Fix
High Load When Acknowledge Many Alarms From third-party OPC Client When acknowledging over 250 alarms from third-party OPC client the controller load was 100% for some minutes. 800xACON-OL-5140-015	This problem has been corrected in the AC 800M Controller Firmware.
TCPCommLib Communication Delay if Sending More than 256 bytes of Data TCPCommLib communication had a delay if multiple messages or messages longer than 256 bytes was sent at the same time. Now several messages will be packaged together for more efficient communication. 800xACON-OL-5110-023	This problem has been corrected in TCPHwLib in AC 800M Connect.
Hanging Communication Causing Controller Shutdown In very rare case a network lockup situation in network stack could occur and cause the controller to shut down. 800xACON-OL-5110-032	This problem has been corrected in the AC 800M Controller Firmware.
MODBUS RTU	
“MBException” block is not working for Modbus Serial, throws -6903 error message FB MBExceptionc did not Work. The MBException function block for reading exception status (Modbus Function code 7) did not work. 800xACON-OL-5100-099	This problem has been corrected in the ModBusHwLib.
I/O	

Table 33. Resolved problems from 800xA 5.1 FP4 Rev D - Operational Issues

Issue	Correction or Fix
S800 I/O - DO818 incorrect OSP values Due to a parameter handling fault the values set for OSP are swapped byte-wise. This means the set OSP value will not be as expected unless the same value is set for all channels. Channels set as “keep current value” work as expected. 800xACON-OL-5110-022 Product Bulletin: 3BSE078480	This problem has been corrected in the AC 800M firmware.
Library	
Master output goes to zero in function block PidCascadeLoop and PidCascadeLoop3P. When the master controller came to the limitation MaxReached at 100% the master output was set to zero and then started to ramp up. 800xACON-OL-5110-024	This problem is corrected in ControlSupportLib and ControlBasicLib.
MinCC, Min4CC, MaxCC and Max4CC An active PID connected to Max or Min module could now pass the passive input. It is also possible to set the tolerance to zero. 800xACON-OL-5140-004	This problem is corrected in ControlBasicLib, ControlStandardLib, ControlAdvancedLib and ControlSupportLib.
Controller Crash When Stressing User Defined TCPCommLib Communication In rare cases the controller could crash when using TCPCommLib communication in 1131 tasks with short interval times. 800xACON-OL-5140-006	This problem has been corrected in TCPCommLib in AC 800M Connect.
Drives	

Table 33. Resolved problems from 800xA 5.1 FP4 Rev D - Operational Issues

Issue	Correction or Fix
ABB drives ACS800 and ACS880 connected via FPBA communication adapter on PROFIBUS have negative speed reference problem. It is not possible to run the drives in the negative direction. “Speed Reference” is limited to unsigned values only. 800xACON-OL-5110-025 Product Bulletin: 3BSE047421D0166	This problem has been corrected in ABBDrvFPBACI854HwLib. “Speed reference” is now defined as signed integer.
IEC 61850	
CI868 module Error on normal operation when exposed to unwanted Broadcast CI868 module Error when exposed to unwanted Broadcast When CI868 communicating over GOOSE was exposed to a Ethernet broadcast storm of above 10,000 packets per second, CI868 stopped communicating and does not respond any further 800xACON-OL-5101-022	This problem has been corrected in CI868IEC61850HwLib.

Section 7 Application Change Management

This section details the problems for Application Change Management that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0.1

Operation

Table 36 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 34. Operational Issues

Issue	Correction or Fix
In ACMClient, **Delete at Import** functionality is not functional. 800xAACM-OL-5140-005	This functionality has been removed from custom entity dialog of ACMClient.
Loading the System extension, '**ACM for Engineering Studio**' fails due to missing dependent extension. 800xAACM-OL-6000-003	This System extension is now loaded only if the Engineering Studio is installed and loaded.
ACMClient application closes down if the last column of the Object view pane is selected. 800xAACM-OL-5141-002	This problem has been corrected.

Table 34. Operational Issues (Continued)

Issue	Correction or Fix
Selecting any object in the object view pane and double-clicking the scroll bar opens the corresponding *.afw* file. 800xAACM-OL-5141-003	This problem has been corrected.
If check-in is performed on an object/entity after modifications with respect to earlier checked-in version, check-in comment gets modified for all its dependent objects/entity, even if there are no changes in those objects. 800xAACM-OL-6000-002	This problem has been corrected.

Table 35 lists the installation issues that may exist and affect the system or product at time of release. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 35. Installation Issues

Issue	Correction or Fix
Updating ACM from S FP 5.1.4-1 to S FP 5.1.4-1A using Feature Pack Update Tool leaves two entries in 'Programs and Features'. 800xAACM-INS-5141-001	This problem has been corrected.

Resolved in 800xA 6.0

Operation

Table 36 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 36. Operational Issues

Issue	Correction or Fix
In some instances, ACM client stops responding, or insufficient memory message is displayed during check in of large projects. 800xAACM-OL-5140-001	This problem has been corrected.
ACM server/client, configured in different domain had problem in connection. 800xAACM-OL-5140-003	This problem has been corrected and updated in the user manual. Refer to the Problem ID 800xAACM-MC-6000-001.
Connection to an existing ACM server is not possible for first time launch of ACM client. 800xAACM-OL-5140-004	This problem has been corrected.
In some instances, GetLatest with dependencies may fail if *ACMClient.exe* memory in task manager is high (e.g. memory > 450MB). 800xAACM-OL-5140-002	This problem has been corrected.

Instruction Manual Changes

Table 37 lists the problems or issues in the instruction manuals that have been corrected since the previous version. A brief description of the correction has also been given wherever possible.

Table 37. Instruction Manual Changes

Issue	Correction or Fix
The ACM Server and 800xA System configured in different domain have problem in connection. 800xAACM-MC-6000-001	The ACM Server and the 800xA System should be configured in the same domain. Refer **Prerequisites** subsection of *System 800xA Engineering, Application Change Management (2PAA108438*).*

Section 8 Information Management

This section details the problems for Information Management that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0.1

Operation

Table 37 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 37 Operational Issues

Issue	Correction or Fix
Desktop Trends migrated from earlier versions of 800xA will not properly display in 800xA version 6.0. 800xAINM-OL-6000-011	The problem is a result in a compatibility issue with the new version of Internet Explorer used in 800xA version 6.0. To resolve this issue a conversion program has been provided in Revision A. 1. Open a command prompt and set your default folder as follows: cd "*C:\Program Files (x86)\ABB Industrial IT\Inform IT\Desktop Trends\help*" 2. To update a single Desktop Trend file do the following: UpgradeTrendFile <fileName> 3. To update a group of files in the same folder do the following: UpgradeTrendFile –A <FolderPath>

Table 37 Operational Issues (Continued)

Issue	Correction or Fix
Scheduled reports would on occasion successfully complete but the Excel process that generated the report would delete the temporary files it created from the disk. After a period of time the growing number of temporary files could fill the disk and impact the performance of the scheduler node. 800xAINM-OL-5104-120	The scheduler has been modified to clean up any temporary Excel files that are left behind.
On occasion ODA queries would fail without apparent reason. The underlying ODA service would crash and restart. This was caused by a memory corruption. 800xAINM-OL-5104-121	This problem has been resolved.
Scheduled reports would on occasion successfully complete but the Excel process that generated the report would not exit. After a period of time the growing number of Excel processes remaining in memory would impact performance on the scheduler node. 800xAINM-OL-5025-112	The scheduler has been modified to monitor Excel to make sure it exits properly. If Excel does not exit after report completion the Scheduler will terminate it.
Making any configuration change to the Email Information dialog box, in a scheduled report, would result in the Attachment Format setting being cleared. 800xAINM-OL-5104-118	This problem has been resolved the Attachment Format setting is now retained.

Table 37 Operational Issues (Continued)

Issue	Correction or Fix
DataDirect would return an overflow error if more than 24855 rows of data were attempted to be returned from a history log. 800xAINM-OL-5104-119	The problem has been corrected. DataDirect will now return up to 32767 rows of data, which is the documented maximum number of rows.
ODA did not support update commands to write data into the 800xA System on ODA table columns that are marked as modifiable. 800xAINM-OL-5104-117	The problem has been corrected.
The AUDIT_EVENTS database view did not return correct data. The data returned in the various columns in the view was not for the expected attribute. 800xAINM-OL-5103-116	The AUDIT_EVENTS database view has been corrected to return the proper attribute data in each column.
Information Manager fails to store values for Batch Phase Parameters of type Out or InOut, if the parameter name is in excess of 30 characters in length and the PDL database is in excess of 10 million records. 800xAINM-OL-5103-129	This problem has been corrected.

Resolved in 800xA 6.0

Operation

Table 37 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 37 Operational Issues

Issue	Correction or Fix
When retrieving alarm and event data DataDirect would not format the ActiveChangeTime, ShelfExpireTime, and ShelvingTime attributes with the configured time format. The time format was always m/dd/yyyy hh:mm. 800xAINM-OL-5102-096	DataDirect now properly formats these attributes with the configured time format. Milliseconds are not shown for these three attributes as the time is not stored to that level of accuracy.
hsDBMaint -reindex improperly processed OPC message logs. 800xAINM-OL-5101-097	**hsDBMaint** -reindex has been updated to create the correct indexes based on the message log type.
When filtering data retrieved from the Information Manager Message Log by **Time** and **Object Name** the user may see unexpected results. There may be duplicate or missing events. All data is properly stored and no data is actually duplicated or lost. There was an error in the algorithm that retrieves the data from the message log resulting in the unpredictable results. 800xAINM-OL-5023-007	The Message Log retrieval processing has been corrected so that messages are no longer duplicated or missing.

Table 37 Operational Issues (Continued)

Issue	Correction or Fix
Information Manager 5.1 Revision B in combination with any Feature Pack will fail to store Condition Events (Alarms). An error message is generated in the following format indicating that this problem can be found in the System Event List. `"Events of Category (CategoryName) will not be collected because of a definition error".` 800xAINM-OL-5103-098	This problem has been corrected.
Event collection stops and the **hsMSGServer** process restarts constantly. The **hsMSGServer** process crashes when the stack memory is exhausted by a large number of OPC/AE attributes that are defined in the system. 800xAINM-OL-5023-006	This issue has been fixed by using stack independent memory methods to process all the OPC/Attributes.
The **hsDBMaint** Purge Future Dates option corrupts numeric storage files when run on files that have wrapped. 800xAINM-OL-5103-099	This problem has been corrected.
When archiving Batch PFC data as part of PDL archival, if an Archive volume became full the Archive System would fail to automatically switch to the next available archive volume. 800xAINM-OL-5101-100	This problem has been corrected. Archive volumes now properly switch in this situation.

Table 37 Operational Issues (Continued)

Issue	Correction or Fix
hsDBMaint -stagger could crash trying to access unallocated memory. This crash was random and did not happen every time. 800xAINM-OL-5102-101	This problem has been corrected.
Batch looping recipes that loop more than 999 iterations would result in the failure to store Production data (PDL). 800xAINM-OL-5024-102	Information Manager still does not support loops in excess of 999 iterations. However, Production data storage has been updated so it will not crash if the limit of 999 loops is exceeded. See the document *3BUF001091-600_en_System_800xA_Information_Management_6.0_Getting_Started*: Section 6 *Batch Integration; Looping Recipe Limitations*, for a description of how this issue is now handled.
The DataDirect Alarm and Event (AE) button did not support filtering using Alarm Shelving attributes. Attempts to use Alarm Shelving attributes resulted in incorrect data being returned. 800xAINM-OL-5104-103	This problem has been corrected.
The Scheduler could fail when exporting an Excel based report in PDF format if the Excel workbook contained a chart on any of the sheets. 800xAINM-OL-5102-104	This problem has been corrected.
The batch_auditevents view was missing the attribute **ObjectName**. 800xAINM-OL-5022-105	The **ObjectName** is now included in the view.

Table 37 Operational Issues (Continued)

Issue	Correction or Fix
Event Driven Data Collection Actions would fail if any of the logs in the Log List contained a period (".") in the log name. 800xAINM-OL-5102-106	This problem has been corrected for all properties with the exception of AC400 properties.
The following views were not returning events in the correct time order if any of the events occurred in the second. The millisecond data in the time was not being properly used to further sort the events. Audit_Events Batch_AuditEvents Batch_CommentEvents Batch_Events Batch_ProcessEvents Batch_SystemEvents BatchMgrEVENTS IMMSGLOGBYCAT 800xAINM-OL-6000-010	The problem has been corrected.
Calculations would fail when they contained MOD 300 properties. 800xAINM-OL-5102-107	This problem has been corrected.
The BATCH_BatchMgrEVENTS, Batch_ProcessEvents, Batch_AuditEvents, and Batch_CommentEvents views did not properly return the Class attribute. 800xAINM-OL-6000-008	This problem has been corrected.

Table 37 Operational Issues (Continued)

Issue	Correction or Fix
IM History Service would crash and restart at 5 AM each day in some large configurations. 800xAINM-OL-6000-009	This problem has been corrected.
IM History would not start after an OPC messages log was restored to Oracle more than 25 times. 800xAINM-OL-5100-108	This problem has been corrected.
IM history would incorrectly take additional numeric log licenses when a template contained more than one IM log that was collecting from the same PPA OPC log. This would result in license warning for the customer when there were not in violation. 800xAINM-OL-5101-109	This problem has been corrected.
DataDirect did not properly return values for some historic integer data properties. 800xAINM-OL-5103-037	This problem has been corrected.
When a PDLMSGLOG or IMMSLOG have stored between 999,999,999 and (999,999,999 + log capacity) messages, any timed archives will loop until the archive volume is full and then fail. 800xAINM-OL-5025-111	This problem has been corrected.

Table 37 Operational Issues (Continued)

Issue	Correction or Fix
The **hsAdmin** service failed to start on an Information Manager Server after configuring the machine to support Cyrillic. 800xAINM-OL-5102-113	This problem has been corrected.

Section 9 PLC Connect and SoftPoint Server

This section details the problems for PLC Connect and SoftPoint Server that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0.1

Configuration

Table 37 lists the major system or product configuration issue that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 37. Configuration Issues

Issue	Correction or Fix
The timeout settings is not visible in the Comli driver. 800xAPLC-CN-5104-001	The order of control drawing in the UI has been changed.
“Override Default Condition Name” not updated when changed using Bulk Data Manager 800xAPLC-CN-5100-014	The call in Alarm Event Configuration to trigger the deploy manager has been moved

Operation

Table 38 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 38. Operational Issues

Issue	Correction or Fix
False events / alarms from PLC connect on signals with bad quality. 800xAPLC-OL-5020-018	No alarms are raised for signals of bad quality

Resolved in 800xA 6.0

Configuration

Table 38 lists the major system or product configuration issue that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 38. Configuration Issues

Issue	Correction or Fix
Possible issue with PLC Connect OPC uploader caused by invalid (not a) PLCC Connect object is inserted by the PPA uploader server in the PLC Connect control structure.	The problem is corrected in System 800xA SV6.0 (PLC Connect 6.0) by adding a General Properties aspect and automatically PLC Connect objects are created as new instances. For earlier System 800xA versions the solution is to recreated the invalid objects manually after restore or in the source system before creating the backup.
Timeout for Aspect Directory Connection. 800xAPLC-CN-5100-003	The implementation has been changed to avoid the timeout, the registry setting has been removed.

Table 38. Configuration Issues (Continued)

Issue	Correction or Fix
Not possible to configure 800xA PLC Connect Communication object. 800xAPLC-CN-5100-010	This problem has been corrected. The click event for the radio buttons has been corrected so that the text boxes are enabled.
Signals become unconnected and set to default controllable and default range if uploaded more than once. 800xAPLC-CN-5100-009	This problem has been corrected. The delimiter used during the append operation in the aspect wrapper was not properly initialized.
The AdsScadaSrv.exe hang and prevent a failover to the redundant server. 800xAPLC-CN-5100-012	This problem has been corrected. The service is configured to be shutdown automatically if it hangs for more than 5 minutes.
Sattbus communication doesn't run after restore. 800xAPLC-CN-5100-013	This problem has been corrected. The files necessary for Sattbus communication are now included in the backup.
PLC Connect Extended Event text displayed as GUID rather than text. 800xAPLC-CN-5024-001	This problem has been corrected. The HandleOnEvent::AdAesSrvHandler stores the ExtendedEventText value as a GUID (of the alarmOwner). The change made is to replace the GUID with the text value for simple event.

Operation

Table 39 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 39. Operational Issues

Issue	Correction or Fix
When a consistency check is performed on PLC Connect signals, you can get a broken property reference error. This error is caused by a faulty implementation in the aspect wrapper GetRelations function and is not a consistency error. 800xAPLC-OL-5100-004 Product Bulletin: 9ARD122017-031	This problem has been corrected.
The Deploy server sometimes cannot read the object configuration. 800xAPLC-OL-5100-005 Product Bulletin: 9ARD122017-033	This problem has been corrected.
Sometimes the collection of dial history fails. 800xAPLC-OL-5101-004	This problem has been corrected. The files used to import dialed history have been moved to a sub folder of the GCN folder.
Property permissions cannot be set to default values. 800xAPLC-OL-5010-010	This problem has been corrected. Before saving the property permissions a check is performed to see if the default permissions should be saved for the instance.
PLC Server not starting up due to dependency on applog service. 800xAPLC-OL-5010-011	This problem has been corrected. This dependency has been minimized so that PLC Connect can start independently of the applogservice.

Table 39. Operational Issues (Continued)

Issue	Correction or Fix
Memory leak during deploy operation. 800xAPLC-OL-5100-006	This problem has been corrected. The problem was incorrect handling of dynamically created objects. Proper handling was implemented as part of the fix, which will free up the dynamically allocated memory.
AE Server getting to Dead lock state once alarm acknowledgement is attempted on already acknowledged alarm. 800xAPLC-OL-5023-012	This problem has been corrected. This dead lock was caused by two threads acquiring two locks in different order. The locks are now requested in the same order from both threads.
Writing 32-bit value with Modbus TCP/IP fails if word order is reversed. 800xAPLC-OL-5000-014	This problem has been corrected. The word order of the written value is now reversed before the telegram is sent to the controller.
SourceName propety i PLC Connect AEServer contains the ObjectID of the signal. 800xAPLC-OL-5100-010	This problem has been corrected. The ObjectID has been removed from the sourcename property.

Section 10 Multisystem Integration

This section details the problems for Multisystem Integration that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0.1

Operation

Table 40 lists the major system or product operation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 40. Operation Issues

Issue	Correction or Fix
All data connections from a subscriber system to a provider system is by default routed through the primary RAS server. If the primary RAS server is stopped all the connections will fail over to the redundant RAS server. This leads to unnecessary load and disturbances to the system. 800xAMI-OL-5110-009	A new feature UseBalancedRedundancy has been added to support load balancing. To configure the system to balance the connections between primary and redundant RAS servers: 1. Update the subscriber system to 6.0 or 6.0.1. 2. Update the registry key “HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\ABB\AFW\SystemModules\RAC\1.0-0\private\UseBalancedRedundancy” and set the value to 1 on all Remote Access Clients (RAC) in the subscriber. This feature was introduced in 6.0.
In 800xA MI S-FP 5.1.3-1 TC1, 800xA MI S-FP 5.1.3-1 TC2 and 6.0 the feature “UseBalancedRedundancy” was introduced, see 800xAMI-OL-5110-009. This feature needs to be manually enabled. When it is enabled object locking will fail on uploaded objects in the subscriber system. For more information see Product Bulletin: 3BSE082247. 800xAMI-OL-5141-001	This problem has been corrected.

Table 40. Operation Issues (Continued)

Issue	Correction or Fix
The time taken to upload objects from a provider to a subscriber system might increase, if it contains many OPC properties. 800xAMI-OL-5130-002	This problem has been corrected.
In a subscriber system containing many objects from a large provider system it can take long time (up to 3 minutes has been observed) before Graphic Displays get dynamic data. 800xAMI-OL-5110-012	This problem has been corrected.
An upload may fail if the uploaded structures contains inconsistencies. The AfwRAC service consumes large amounts of memory and may crash. 800xAMI-OL-5110-011	This problem has been corrected.
There can be inconsistency in the subscriber system, when uploading a Functional structure that contains an aspect with a reference to a Control Application in the Control Structure. The reference can for example be a reference to an OPC-property on the Control Application from a display. 800xAMI-OL-5110-013	This problem has been corrected.

Resolved in 800xA 6.0

Configuration

Table 41 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 41. Configuration Issues

Issue	Correction or Fix
Point of Control will not work in a Multisystem Integration system if 800xA 5.1 Feature Pack 1 is loaded on an existing system. 800xAMI-CN-5110-001	This problem has been corrected.

Table 41. Configuration Issues (Continued)

Issue	Correction or Fix
The user mapping roles for the Remote Access Server is changed because of the support to Point of Control for 800xA 5.1 Feature Pack 1. It is not possible to map a subscriber user to more than one provider user. This makes it possible to uniquely identify a user who is responsible for a section or subsection. 800xAMI-CN-5110-002	This problem has been corrected.
Using "Clean" in Multisystem Integration with many objects uploaded will cause severe disturbance in the subscriber system and will result in an unresponsive system. 800xAMI-CN-5010-003	The System 800xA Multisystem Integration manual (3BSE037076*) is now updated with this information.

Operation

Table 42 lists the major system or product operation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 42. Operation Issues

Issue	Correction or Fix
There is a risk that the Remote Access Client (RAC) could crash during an update or upgrade of the subscriber system. If this happens the RAC service will enter error state with error code 0x8abb1e44. 800xAMI-OL-5103-001	This problem has been corrected.
In the subscriber system, the node taking the Point of Control responsibility is shown in the Status Views. After a disconnection between the subscriber and provider systems and after an upload operation, the subscriber system name is displayed in the Status Views instead of the responsible node. 800xAMI-OL-5110-002	This problem has been corrected.

Table 42. Operation Issues (Continued)

Issue	Correction or Fix
On a few occasions the Remote Access Client (RAC) crashes when performing uploads. 800xAMI-OL-5130-001	Improvements have been done to the Remote Access Client (RAC) to make it more robust.
Closing a Trend display in the Operator Workplace on the Subscriber System will cause a leak of both handles and a memory in the Workplace. Log over will stop working in a Workplace on a subscriber system because of the leak. Trend displays configured with TRIM or SEAMLESS does not have this problem. 800xAMI-OL-5104-001	This problem has been corrected.

Section 11 SFC Viewer

This section details the problems for SFC Viewer that are resolved in the 800xA 6.0.1 release.

Resolved in 800xA 6.0.1

Operation

Table 43 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

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Table 43. Melody, Operational Issues

Issue	Correction or Fix
Sequence selection branch has the following issues: • A transition, connected to a jump in different vertical position, misses the connection to the step. • Jump from the step is overlapping with closing selection line. • Jump to the step is overlapping with closing selection line. 800xA-MEL-OL-5102-004	This problem has been corrected.
SFC Viewer has the following display issues: • When there is no direct connection from a transition to a step, and a jump is available above the same step, a vertical line which is not required is drawn above it. • The closing line of the simultaneous branch is missing when the branch is configured from the first X position. 800xA-MEL-OL-5102-005	This problem has been corrected.
The workplace slows down and stops responding when the user closes the SFC Viewer main windows which are kept open for more than 8 hours, with Autorefresh enabled in steps and transition window. 800xA-MEL-OL-5102-007	This problem has been corrected.
In online mode, the transition block overlaps with the force button and the user will not be able to view the force button completely. 800xA-MEL-OL-5102-006	This problem has been corrected.

Table 44. AC800M Configuration, Operational Issues

Issue	Correction or Fix
The Workplace closes down if an empty aspect (SFC Viewer) is called from Operator Workplace. 800xASFC-OL-5140-002	This problem has been corrected.
In SFC Viewer, object navigation does not work as expected from the transition view (which includes list view and graph view). 800xASFC-OL-5140-003	This problem has been corrected.

Table 45. AC800M Control Module Type and Diagram Type, Operational Issues

Issue	Correction or Fix
The 800xA Workplace Application closes down due to excessive memory allocation for SFC Viewer Aspects on Control Module Types and Diagram Types. 800xASFC-OL-5131-001	This problem has been corrected. SFC Compression tool must be used for existing SFC Viewer Aspect Blob compression.
The 800xA Workplace Application closes down due to excessive memory allocation, when there are more than 1000 SFCViewer aspects on Control Module and Diagram Types. 800xASFC-OL-5131-001	This problem has been corrected.

Table 46. Freelance, Operational Issues

Issue	Correction or Fix
The transition view of the SFC Viewer does not differentiate between the tag name and the variable name displayed in the list. 800xASFC-OL-5140-001	This problem has been corrected.
The 800xA Workplace closes down due to insufficient memory while performing SFC Uploader. This is due to same variable being referenced in both input and output, inside structured text code of driving Control Module Type. 800xASFC-OL-5140-008	This problem has been corrected.

Table 47. Operational Issues

Issue	Correction or Fix
Sequence selection branch has the following issues: • If transition is not placed in the same level horizontally, then lines connecting the branches in the SFC Viewer are missing. • When first step/dummy step connecting to the transition is not in same vertical position, then lines connecting the branches are missing. • When transitions in the selection branches are not in the same horizontal level and are interfered by any step/transition in-between, then a line is drawn which is not required. 800xA-MEL-OL-5102-001	This problem has been corrected.

Table 47. Operational Issues

Issue	Correction or Fix
Look and feel of SFC Overview in SFC Viewer for complex SFC diagrams, may differ from Melody Composer's SFC diagrams. 800xA-MEL-OL-5102-002	This problem has been corrected.
An xainstall user and an advanced operator with the same "Force SFC" permissions have different SFC presentations regarding the visualization of the "Force" Buttons. 800xA-MEL-OL-5102-008	This problem has been corrected.

Resolved in 800xA 6.0

Operation

Table 48 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible

Table 48. Operational Issues

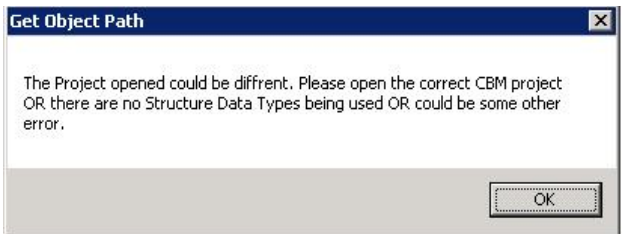
Issue	Correction or Fix
In some cases, after clicking Upload in the SFC Uploader aspect window, the following error message appeared even though the correct project was opened in Control Builder.  800xASFC-OL-5110-001	This problem has been corrected.

Table 48. Operational Issues (Continued)

Issue	Correction or Fix
If a variable was used multiple times in the logic in the transition and if the value of the variable was false (in Online mode), clicking Unfulfilled Criteria in the transition window resulted in display of multiple entries of this variable. 800xASFC-OL-5110-009	This problem has been corrected.
If the description of the tag or the diagram reference variable is long, the description text is not completely visible in the List View of transition or in the action display with target diagram reference name. 800xASFC-OL-5110-011	This problem has been corrected.
SFC Viewer shows incorrect data of the transition when the variable used within that transition has hidden attribute. 800xASFC-OL-5101-002	This problem has been corrected.
If the Diagram Input Parameters are used in the Transition criterion logic, the resulting Transition Display of the SFC viewer will not show the live data. 800xASFC-OL-5102-001	This problem has been corrected.
In some instances, workplace closes while opening different SFC Viewer aspects continuously. 800xASFC-OL-5102-002	This problem has been corrected.
The Bin folder and its contents remained intact even after SFC Viewer FP3 build2_1 was uninstalled from 800xA node. 800xASFC-OL-5130-001	This problem has been corrected.

Table 48. Operational Issues (Continued)

Issue	Correction or Fix
In Transition window, tool tip for graph view displays both tag name and object name, but list view displays only tag name. 800xASFC-OL-5130-002	This problem has been corrected.
Continuous opening and closing of SFC Viewer aspect leads to memory leak up to 1800kb, and eventually the workplace closes. 800xASFC-OL-5130-003	This problem has been corrected. Memory leakage has been reduced. **Note**: On opening and closing the SFC Viewer aspect for 82 times, memory leakage has been reduced from 1800kb to 200kb (it is reduced by 89% approximately).
SFC Uploader displays only one variable and same path, even if different Control Modules are written in the Structure Data Type variable. 800xASFC-OL-5130-004	This problem has been corrected.
After upgrade of Control Builder M from previous versions to 800xA 5.1 Feature Pack 4, SFC uploader links the variables to objects, but does not link to the faceplate. 800xASFC-OL-5130-005	This problem has been corrected.
In SFC Viewer Uploader, if a Control Module type is instantiated in multiple levels inside the same application, then the Structured Data type variables are not listed in the SFC Viewer Uploader aspect at the application level. 800xASFC-OL-5130-006	This problem has been corrected.

Table 48. Operational Issues (Continued)

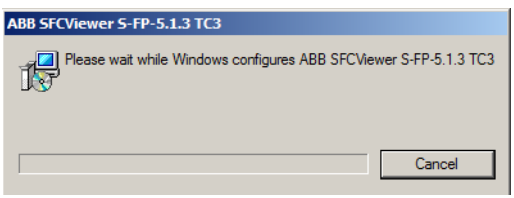
Issue	Correction or Fix
On accessing the SFC Viewer Uploader aspect and Viewer aspect of a library Control Module Type element, in Object Type Structure, the workplace stops responding. 800xASFC-OL-5130-007	This problem has been corrected.
SFC upload at the application level might not fetch variables for Structure Data Type of a child SFC, and the object navigation fails. 800xASFC-OL-5130-008	This problem has been corrected.
Following software configuration message is displayed for first time, if a graphic display is accessed from any user account other than installed user account:  800xASFC-OL-5130-009	This problem has been corrected.
Communication Variables used in Single Control Module are not listed as part of SFC Viewer Uploader, and they are also not listed in SFC Viewer transition for navigation. 800xASFC-OL-5130-010	This problem has been corrected.
If the transition logic has a single condition, the variable name for that particular condition in SFC Viewer is not displayed correctly. 800xASFC-OL-5130-011	This problem has been corrected.

Table 48. Operational Issues (Continued)

Issue	Correction or Fix
In a transition, when trying to open a Faceplate other than a Unit Faceplate, the following error occurs: `'Object not found'.` 800xASFC-OL-5130-013	This problem has been corrected.
In the application, if multiple children of same type are used, there is a conflict of these children when trying to upload them in SFC Viewer Uploader and results in navigating to wrong objects. 800xASFC-OL-5130-014	This problem has been corrected.
In SFC Viewer, when an SFC is configured in Diagram Types, the dynamic animation does not happen for instances created using following type of animation at the application level. • Step animations in the step viewer. • Transition window logic animations. 800xASFC-OL-5130-015	This problem has been corrected.
In SFC Viewer, object navigation does not work as expected when Communication Variables are used in Control Diagrams. 800xASFC-OL-5130-016	This problem has been corrected.

Table 48. Operational Issues (Continued)

Issue	Correction or Fix
SFC Viewer aspects may have following issues with Jump box: • Overlapping jump with adjacent step box. • Jump of initial step box is partially visible in view area. • There is no clear visible connection between step box and transition box if there are any jumps on the step box. 800xASFC-OL-5130-018	This problem has been corrected.
In SFC Viewer transition view, on using multiplication block, animated logic may display wrong state for the logic. 800xASFC-OL-5130-019	This problem has been corrected.
In SFC Viewer, when more than 3 level operators are being used, the transition output text is not completely displayed in the Graph View of the transition viewer. 800xASFC-OL-5130-020	This problem has been corrected.

Table 48. Operational Issues (Continued)

Issue	Correction or Fix
The text limit set in SFC Viewer is as follows: For Graph View • Uppercase Letters: 20 characters. • Lowercase Letters: 26 characters. For List View • Uppercase Letters: 28 characters. • LowerCase: 36 characters. When the number of characters exceeds the maximum limit set or the text has space in it, the text in the SFC Viewer overlaps. 800xASFC-OL-5130-021	This problem has been corrected.
When a same variable is used inside two control modules, the object navigation opens the “in” variable for CM1 faceplate which is incorrect. As a reason, the object navigation fails, because for one control module the variable is passed as “in”, and for the other it is passed as “in_out”. 800xASFC-OL-5130-022	This problem has been corrected.
Driving object path is not displayed correctly in the transition window. For example, the actual driving path to be displayed is **DrivingObject.AEL.Stat** or **DrivingObject.AEH.Stat**, instead **DrivingObject.Stat** is displayed. 800xASFC-OL-5130-025	This problem has been corrected. User can set the Tag Separator value based on the requirement in SFC Viewer Uploader aspect for that application.

Table 48. Operational Issues (Continued)

Issue	Correction or Fix
In SFC Viewer, object navigation does not work as expected from the transition view (which includes list view and graph view). 800xASFC-OL-5140-002	This problem has been corrected.
In SFC Viewer, object navigation/context menu does not work as expected from the transition view (which includes list view and graph view). 800xA-MEL-OL-5140-001	This problem has been corrected.

Section 12 Process Engineering Tool Integration

This section details the problems for Process Engineering Tool Integration that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0

Operation

Table 49 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 49. Operational Issues

Issue	Correction or Fix
After upgrade of PETI from previous versions to 800xA 5.1 Feature Pack 4 using FUT, the following issues are observed: 1. Add or Remove programs contains two entries of PETI. 2. PETI transfer using sample mapping file is not successful for the Hardware objects of BasicHwlib. 800xAENP-OL-5140-005	This problem has been corrected.
PETI does not transfer IO modules under Module Bus of Safety Controller-PM865 to 800xA. 800xAENP-OL-5140-002	This problem has been corrected.
Linearization and Filter Time values are not transferred to 800xA for AI845 card. 800xAENP-OL-5140-003	This problem has been corrected.
If the ABB Function Designer and ABB DM & PM Application extensions are not loaded, PETI transfer is unsuccessful for the Pure CB workflow. 800xAENP-OL-5140-007	This problem has been corrected.

Table 49. Operational Issues (Continued)

Issue	Correction or Fix
All variables created in Control Builder M using Pure CB work-flow have the default description as 'Created by PETI' instead of description updated in the input CAEX file. 800xAENP-OL-5140-006	This problem has been corrected.
FF Global Variables are not created at the application level, after a PETI transfer using FF work-flow. 800xAENP-OL-5140-008	This problem has been corrected.
Sometimes PETI may have the following IO Allocation issues: • PETI does not connect application level IO variables. • PETI considers the Single Control Module name and not variable name for IO Allocation. 800xAENP-OL-5140-009	Perform the following steps manually: 1. Generate PETI. 2. Assign the support library to already generated application.
All the FF properties are not transferred by PETI in the FF workflow. 800xAENP-OL-5140-010	This problem has been corrected.

Instruction Manual Changes

Table 50 lists the issues that exist in the instruction manuals that have not been corrected since the previous version. A brief description of the correction has also been given wherever possible.

Table 50. Instruction Manual Changes

Issue	Correction or Fix
FF Signals that are created as Global Variables in Control Builder M are not automatically connected to CI860 channels. 800xAENP-MC-5140-001	This problem has been corrected.

Section 13 IEC 61850

This section details the problems for IEC 61850 that are resolved in the 800xA SV 6.0 through SV 6.0.1 release.

Resolved in 800xA 6.0.1

Configuration

Table 51 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction is also given

Table 51. Configuration Issues

Issue	Workarounds, Clarifications, and Helpful Hints
PPA generates unwanted discarded alarms for each data object when initially connected to IEC61850 OPC Server. CET generates Inactive alarms for unconfigured Data Objects mapped with default indication events. These inactive Alarms causes the PPA to discard them as there were no corresponding Active alarms generated in the first place. 800xAIEC-CN-6000-022	For standard recommendation on pre-configured Indication events for unused Data Objects, refer to Section 2 800xA IEC61850 OPC Server, of *IEC 61850 Connect Configuration (9ARD171387*)* manual.

Resolved in 800xA 6.0

Configuration

Table 52 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 52. Configuration Issues

Issue	Correction or Fix
Default Indication Events are not mapped for after importing SCD file. For example: In *ACT* type Signal, the property *Indication Event* for *General* is empty and not mapped by default to *TripSignalFromGeneral*. 800xAIEC-CN-5140-019	This problem has been corrected. The default mapping of Indication events are applied while importing an SCD file.
In IET600 version 5.3, when OPC Server icd file delivered with 800xA are imported as OPC Server, they are not able to be configured as RCB client for RCBs from other IEDs. 800xAIEC-CN-5140-018	This problem has been corrected. Following OPC Server icd files are updated and included in IEC61850 Connect Software: • *OPC Server with 1 Subnetwork.icd* • *OPC Server with 16 Subnetwork.icd*
CET Project Conversion failed while migrating from previous version of CET. 800xAIEC-CN-5140-015	This problem has been corrected.

Table 52. Configuration Issues (Continued)

Issue	Correction or Fix
IEC61850 OPC Server Redundancy Configuration Steps are incorrect in IEC61850 Connect configuration manual - 9ARD171387-600_en_System_800xA_6.0_IEC_61850_Connect_Configuration. 800xAIEC-CN-5140-008	This problem has been corrected. Refer to *Section 2 800xA IEC61850 OPC Server* of IEC61850 Connect configuration manual.
CET Online Diagnostic Window does not show live data for MMXU.A Data Object. 800xAIEC-CN-5140-009	This problem has been corrected.

Table 52. Configuration Issues (Continued)

Issue	Correction or Fix
800xA IEC61850 projects that have not used standard naming rules as foreseen in IEC 61850 Engineering tool ABB IET 600 5.2 or newer should be aware about the following restrictions. IET600 Tool version 5.2 or newer strictly enforces the naming rules for Substation, Voltage Level and Bay objects according to the guidelines specified in IEC 81346 (IEC 61346 before). Due to this restriction in naming, projects of IET600 5.1 / CCT600 4.1 or older containing freely configured names of Substation, Voltage Level and Bay after migrating to version 5.2 or newer are retained but not supported for further modification as explained below. Any further modifications of configured Substation, Voltage Level and Bay names to another nonstandard name are ignored. Eg. Existing Bay with Nonstandard name ‘Q01A1’ changed to new nonstandard name ‘Q01A11’ or ‘Q01A1Bay’ is ignored (reverted back). Any further modifications of configured Substation, Voltage Level and Bay names to standard name are locked and cannot be reverted back. Eg. Existing Bay with Nonstandard name ‘Q01A1’ changed to standard name Q01 is locked (cannot be reverted back). 800xAIEC-CN-5140-017	This problem has been addressed through Product Bulletin (*ABB IET600 version recommendation for 800xA System 3BSE047421D0095*). Please use the IEC 61850-Ed1 naming concept for Substation, Voltage level and Bay as designated in newer IEC 61850 Engineering tools like ABB IET 600 5.2. There is No Workaround for allowing further modification of the configured names of Substation, Voltage Level and Bay from IET600 5.1 / CCT600 4.1 or older projects after migrating to IET600 5.2 or newer project. Thereby it is recommended to use only IET600 5.1 / CCT600 4.1 for Project Engineering with 800xA System for projects that using other than predefined IEC81346 naming concept. The above recommendation is applicable IEC61850 scd-file engineering for use with 800xA System versions 5.1 FP4 or newer.

Table 52. Configuration Issues (Continued)

Issue	Correction or Fix
OPC redundant configuration steps mentioned in IEC 61850 Workflow and Configuration manual, are not correct. IEC61850 Connect Configuration manual has inconsistent information on “Opening CET project from network” feature. These inconsistent information must be corrected and proper OPC redundant configuration steps must be updated in the manual. 800xAIEC-CN-5140-008	IEC61850 Connect manual updated with correct OPC redundant configuration steps. For more information, refer to *Section 2 800xA IEC61850 OPC Server*, of *IEC 61850 Connect Configuration (9ARD171387*)* manual.

Operation

Table 53 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 53. Operational Issues

Issue	Correction or Fix
Default Update rate of Control Connection Aspect properties of LN object in Object Type structure is not retained in Control structure instances after upload. 800xAIEC-OL-5101-012	This problem has been corrected. The default update rate of Control Connection Aspect properties set by uploader is 1000 ms. For more information on standard behavior of instantiated LN objects, an information text is provided in Section 3 800xA IEC 61850 Uploader, of *IEC 61850 Connect Configuration manual (9ARD171387*)*.
CET OPC Server takes about 30 minutes to establish communication and attain Ready State with one IED having 5600 signals. 800xAIEC-OL-5140-021	It is recommended to follow the standard configuration. Recommendation for IEC61850 OPC Server as described in *System 800xA System Guide Technical Data and Configuration (3BSE041434*)* manual.

Section 14 Device Management FOUNDATION Fieldbus

This section details the problems for Device Management FOUNDATION Fieldbus that are resolved in the 800xA 6.0 through 800xA 6.0.1 release.

Resolved in 800xA 6.0.1

Configuration

Table 56 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 54. Configuration Issues

Issue	Correction or Fix
Load of FF System Extension fails in 2oo3 redundant systems Loading the Fieldbus Builder FF system extension with the System Configuration Console fails the first time in systems with 2oo3 redundancy. 800xADMF-CN-6000-006	This problem has been corrected.
The system synchronization rollback does not restore the FF library. Devices will not be removed from a library. 800xDMF-CN-4100-025	This problem has been corrected.

Installation

Table 56 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 55. Configuration Issues

Issue	Correction or Fix
Upgrade fails for systems having only PG2 graphics If Foundation FIELDBUS is used in a 5.1 system (all versions) and if Visual Basic Graphics or Faceplates are not used, the system may contain Visual Basic related aspects. A Manual Upgrade to 6.0 will fail. 800xDMF-IN-5100-023	This problem has been corrected.

Resolved in 800xA 6.0

Configuration

Table 56 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 56. Configuration Issues

Issue	Correction or Fix
After importing the SAMSON 373x device type the check will not finish successfully and a following upload of the FF library will fail. 800xDMF-CN-5100-022	This problem has been corrected.
UTF-8 coded device specific strings from DD / EDD are not supported. The strings are shown with an additional special characters 'Ã'. 800xDMF-CN-5131-001	This problem has been corrected.
The 'Enter matrix' method in the Transducer block TR8007 in the H1 device Micromotion 2700 revision 07 stops execution with an error. 800xADMF-CN-5131-002	This problem has been corrected.

Table 56. Configuration Issues (Continued)

Issue	Correction or Fix
OPC DA service for a HSE subnet may stay in undefined state after restore or restart. 800xADMF-CN-5131-003	This problem has been corrected.
Import of complete HSE Subnet failed with the following error message: “There is no free slot for this type of resource”. 800xDMF-CN-5100-015	This problem has been corrected.

Operation

Table 57 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 57. Operational Issues

Issue	Correction or Fix
Plausibility check causes download requests after online parameter changes After parameter changes are done in Online Mode of Fieldbus Builder, a plausibility check in the Offline Mode creates a download requests that is visible as download arrows in the tree view. 800xADMF-OL-5102-001	This problem has been corrected.
Repeated crash of OPC server The OPC servers FF crash repeatedly, with irregular time distances. 800xADMF-OL-5101-011	This problem has been corrected.

Table 57. Operational Issues (Continued)

Issue	Correction or Fix
OPC trace tool cannot connect OPC server. 800xADMF-OL-5101-014	This problem has been corrected.
No OPC data after reboot - Failover to non-functional partner. 800xADMF-OL-5101-015	This problem has been corrected.
OPC server locks up after download. 800xADMF-OL-5101-017	This problem has been corrected.
Version strings from read H1 devices may be displayed in a hexadecimal format. 800xADMF-OL-5131-005	This problem has been corrected.
Out-of-memory crash of OPC server FF. 800xADMF-OL-5101-013	This problem has been corrected.

Administration

Table 58 lists the major system or product Administration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 58. Administration Issues

Issue	Correction or Fix
The Backup of FF configuration fails if there is no interactive user logged in on the node where the backup is executed. 800xDMF-AD-5000-017	This problem has been corrected.

Section 15 Device Management PROFIBUS and HART

This section details the problems for Device Management PROFIBUS and HART that are resolved in the 800xA SV 6.0 through SV 6.0.1 release.

Resolved in 800xA 6.0.1

Configuration

Table 59 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 59. Configuration Issues for Device Management PROFIBUS & HART

Issue	Correction or Fix
S800 IO DTM configuration cannot be saved after modification in composer field. For example, if user modify "OSP control" of a digital output channel from "set OSP value" to "keep current value", while reopening the DTM configuration, "OSP control" of that channel is still "set OSP value" 800xDPH-CN-5100-043	This issue has been fixed
Delete the first S800 IO module will destroy channel parameter set in Composer Melody For Example: Three modules created with Composer Melody: Slot 1: DI810 Slot 2: DO810 Slot 3: AI835A Delete the first module DI810 will destroy the channel parameter set of subsequent modules. 800xDPH-CN-5100-044	This issue has been fixed

Table 59. Configuration Issues for Device Management PROFIBUS & HART (Continued)

Issue	Correction or Fix
DTM UI to enable HCIR is not available for CI840 Module. 800xDPH-CN-5100-045	This issue has been fixed. HCIR UI available for CI840
AI830 and AI893 DTM Process Value and Bar Graph are not displayed if the signal range selected other than "0..400 ohms" 800xDPH-CN-5100-027	This issue has been fixed.

Operation

Table 60 lists the issues that may exist and affect operation of the system or product at time of release. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 60. Operational Issues

Issue	Workarounds, Clarifications, and Helpful Hints
Communication problem is observed when some HART Device DTMs such as Endress+Hausser Liquiline M Cci / CM42, Liquiline M pH-ORP / CM42 are connected to S800 IO Modules. 800xDPH-OL-5100-040	This issue has been fixed.

Table 60. Operational Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
S900 - IO Diagnosis error in running phase observed with Composer Melody. This issue occurs when 16 modules of type AI930 (AI4H A) are used within one S900 I/O Terminal Unit. 800xDPH-OL-5100-042	This issue has been fixed.
DI828 and DO828 DTM Channel error observed in Freelance and Composer Melody. For Example: If channel -1 of DO828 forced, then Channel-9 LED glows 800xDPH-OL-5100-041	This issue has been fixed and channel configuration is handled properly.

Resolved in 800xA 6.0

Configuration

Table 61 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 61. Configuration Issues for Device Management PROFIBUS & HART

Issue	Correction or Fix
1. An Upload executed in the Subscriber System will fail when: a) The selected structure / object in the Provider System has Device Management PROFIBUS/HART aspects AND b) Plant Explorer is NOT open in the Provider System 800xDPH-CN-5100-023	This issue has been fixed.
Following issues may occur on the system that have instances of 'PDP22-FBP with UMC100' Hardware Type of BMI_FBP_UMC100_HwLib library while updating or upgrading from System Version 800xA 5.1 Feature Packs. a. The AC 800M Status Monitoring System Extension load fail with Object Hook error for Fieldbus Management aspect. b. The Control Project upgrade fail with Object Hook error for Fieldbus Management aspect. 800xDPH-CN-5100-033	This issue has been fixed.
The Modulebus and CI854 module instances are counted for DeviceManagement PH license count. 800xADPH-CN-5100-003	This issue has been fixed.

Table 61. Configuration Issues for Device Management PROFIBUS & HART (Continued)

Issue	Correction or Fix
While working with HART Mux Connect, the aspects disappeared on some objects. 800xDPH-CN-5100-001	This issue has been fixed.
License entry in Generic HART DTM was not available (Browse button is disabled). 800xDPH-CN-5100-003	This issue has been fixed.

Operation

Table 62 lists the issues that may exist and affect operation of the system or product at time of release. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 62. Operational Issues

Issue	Workarounds, Clarifications, and Helpful Hints
Some HART Device Asset Monitors report bad status with alarm as "HART_RESPONSE_BYTE1 Input Record quality: badCommFailure" and/or failure to complete all subsequent Asset Optimization cycles. This issue was observed after communication disturbance on fieldbus network while Asset Optimization cycle scan was in progress. Following are examples of communication disturbances: • IO module disturbance • Controller Network cable disturbance • Communication disturbance during hot download to controller 800xDPH-OL-5100-020	The issue is fixed for HART devices configured under ModuleBus IO S900 Remote IOs. Only exception is when device DTM is open and cyclic update is selected in DTM during Asset Optimization cycle, same device or any other device from same IO module may report bad status. In case DTM is closed, bad alarm will get reset during subsequent AO cycle.
The Asset Monitors reports bad status for HART Devices connected to AI895/AO895 IO modules. This issue is random and switches between HART devices connected to AI895/AO895. 800xADPH-OL-5100-022	This issue has been fixed. Asset Monitors report good status for devices connected to AI895/AO895.

Section 16 Device Library Wizard

This section details the problems for Device Library Wizard that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0

Operation

Table 63 lists the issues that may exist and affect operation of the system or product at time of release. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 63. Operational Issues

Issue	Workarounds, Clarifications, and Helpful Hints
While searching devices using filter option there might be possibility that complete list of devices are not available for the first time. 800xADLW-OL-5100-002	This issue has been fixed.

Table 63. Operational Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
While installing ABB Instruments device types with device specific DTMs, the DLW installation window may stop responding and user has to end the launcher.exe process to continue the installation 800xDPH-OL-5020-001	This issue has been fixed. DLW error handling improved for installing Device DTMs.
When user try to create a instance for device object with specific DTM from a system node on which required DTM is not installed the operation fails with error message “Failed to Create Object! Catastrophic failure” 800xDPH-CN-5100-038	In such case from System 6.0, user will get more meaningful error message Failed to Create Object! E_AFW_DTM_MISSING (0x8abb4601) Object creation!!! The required DTM is either missing or not installed properly in this system

Section 17 Asset Optimization

This section details the problems for Asset Optimization that are resolved in the System 800xA 6.0.1 release.

Resolved in 800xA 6.0.1

Installation

Table 64 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 64. Installation Issues

Issue	Correction or Fix
Replacing node using SCC for "Asset Optimization Services Additional" is creating a duplicate service group in system. 800xAASO-IN-6000-001	This problem has been corrected.

Section 18 Batch Management

This section details the problems for Batch Management that are resolved in the 800xA 6.0.1 release.

Resolved in 800xA 6.0.1

Operation

Table 65 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 64. Operational Issues

Issue	Correction or Fix
The Stopping command code block is not being executed when a Stop command is issued from a state of Restarting. The command will go directly to the Stopped state. This is contrary to the state diagram for this state change. This issue is only associated to the use of the Advanced Phase Templates and the code block that is used to process the command logic for the Phase state command. 800xAPMB-OL-5025-022	This problem has been corrected as per the state diagram, which states that the Batch phase should go from Restarting to Stopping and then to Stopped state.

Table 64. Operational Issues (Continued)

Issue	Correction or Fix
Operator inputs are not showing up in the audit trail events for the category “Batch Operator Actions”. 800xAPMB-OL-5131-112	This problem has been corrected. The Long Message field of the Audit Trail Event messages, now includes the batch operator actions. This is the same information supplied in the Long Message field of the Block Status event message.
The PFC Zoom feature fails to work, if more than one PFC displays are open. 800xAPMB-OL-5140-115	This problem has been corrected to handle the Zoom feature.
Batches that have been scheduled using the duplicate option are not showing up in the **Batch Overview**. This occurs in a scenario where the recipe procedure's batch cell configuration has been changed from a name different of the original completed recipe procedure that has been copied. 800xAPMB-OL-5140-116	This problem has been corrected to handle the new cell when duplicate option is used.
Procedures that execute another recipe/procedure using the rcpexec function are not allowing navigation to that recipe/procedure from within the PFC. 800xAPMB-OL-5140-117	This problem has been corrected and it allows now to navigate from PFC.

Table 64. Operational Issues (Continued)

Issue	Correction or Fix
It is possible to schedule a batch using the same name only differing in capitalization. The Batch manager does not see this as duplicate. The **Batch History Overview** does not recognize that the two Batch ID are different and will not display the second occurrence. 800xAPMB-OL-5140-118	This problem has been corrected to display all the executed Batches in **Batch History Overview**.

Table 64. Operational Issues (Continued)

Issue	Correction or Fix
There are two cases where a user can modify parameter expressions in an approved recipe: Case 1: In the batch schedule dialog, by permission, users are allowed to modify parameter value expressions prior to scheduling a recipe. Case 2: Procedure, block and phase parameters can be modified during runtime when accessed through the PFC display, provided the user has the correct permissions. If an operator provides an erroneous or out of range value in above 2 cases an expression error message will be displayed. The option is to acknowledge “Yes” to ignore errors and continue save, or acknowledge “No” and cancel. Answering “Yes” allows that value to be saved to the recipe. Having an erroneous or out of range parameter save to an approved recipe will cause the recipe in Case 1 to stop and abort. In Case 2 the recipe will stop with error and require manual intervention to correct the issue. The act of acknowledging “Yes” with error should not be allowed in a runtime environment, this will cause the recipe to error. 800xAPMB-OL-5140-121	This problem has been corrected. The software is enhanced to check for syntax errors and evaluate the erroneous or out of range values that have been entered and will not allow the user to ignore errors and proceed scheduling or running a recipe. A valid entry must be used.

Table 64. Operational Issues (Continued)

Issue	Correction or Fix
Batch procedure Print/view functionality does not work as expected when the procedure object path has more than 127 characters. 800xAPMB-OL-5140-124	This problem has been corrected to handle up to 256 characters and error handling is improved with proper message.
Blocks within a terminated batch recipe are not reaching a state of completion. The status continues to be running and can remain this way indefinitely. 800xAPMB-OL-5140-126	This problem has been corrected to handle Batch Status/Command/Schedule Status/Terminate and should not be enabled as long as the recipe is still executing.

Resolved in Previous Releases

Operation

Table 65 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 65. Operational Issues

Issue	Correction or Fix
Workplace stops responding, when Auto Generate Batch ID Aspect is selected before Batch services are running. 800xAPMB-OL-5101-038	This problem has been corrected to handle the workplace hangs when user clicks Auto-generate BatchID is selected before Batch is configured.
The Batch Report displays broken links if Batch software is installed on a drive other than the C drive. 800xAPMB-OL-5101-041	This problem has been corrected.
Using the TAB key for navigating between user input fields does not work in the Batch Message Window at runtime. 800xAPMB-OL-5102-078	This problem has been corrected.
Transitions would not go in “Active” state while returning from “Hold” state. 800xAPMB-OL-5102-079 Product Bulletin: 3BUA002337	This problem has been corrected.

Table 65. Operational Issues (Continued)

Issue	Correction or Fix
Doing a save of a runtime edit using the PFC editor is not incrementing the version number of the procedure that was edited. 800xAPMB-OL-5102-081	This problem has been corrected.
Operational changes in the Runtime Edit dialog is saved despite users canceling the edit session. 800xAPMB-OL-5102-082	This problem has been corrected.
The system does not handle the units that are inserted into multiple structures. This creates duplicate Batch messages in the PDLMSGLOG from the Batch Unit. 800xAPMB-OL-5102-48	This problem has been corrected to handle the units that are inserted into multiple structures.
During runtime, Batch message dialog displays ''' when user has provided "' " (single quote) in the Message configuration dialog. Eg: Input during configuration 'OK' appears as "'OK'" during runtime. 800xAPMB-OL-5104-088	This problem has been corrected.
The use of a continuation character "\" (back slash) within a user defined function is causing a syntax error at runtime. This only occurs if the combination of locking the function and the use of the continuation character are done together. 800xAPMB-OL-5104-090 Product Bulletin: 3BUA002608	This problem has been corrected.

Table 65. Operational Issues (Continued)

Issue	Correction or Fix
When an expression is configured on a Procedure parameter and if Access level of this Procedure parameter is changed at the lower level, then the change is not be reflected at the upper level. 800xAPMB-OL-5104-092	This problem has been corrected. The access level now has an option to be inherited when configuring the parameters.
Phase parameters in Procedure reports are ordered alphabetically. There is no option to order them by user entry order. 800xAPMB-OL-5104-093	This problem has been corrected. In the Print Procedure Aspect, there is now an option to select whether the print order is alphabetical or by the order entered.
The error message "Failed to get Batch ID Aspect interface" is encountered when using the Batch Web Service Interface. Users are unable to schedule Unit and Operation Batch Procedures. This same issue will occur with the Simple Batch and Parameter Management Excel Spreadsheet Scheduler. 800xAPMB-OL-5110-004	This problem has been corrected.
The "putm" function returns inaccurate statuses for points after the first point that failed to write. 800xAPMB-OL-5110-006	This problem has been corrected.

Table 65. Operational Issues (Continued)

Issue	Correction or Fix
The compute BMA used to define/execute a custom function, randomly fails to execute resulting in the Batch Manager not responding. This can be triggered by creating an expression that exceeds 511 characters with an “OR” (ll) operator after the 511th character. 800xAPMB-OL-5126-108	This problem has been corrected. The Batch Manager will now handle the custom functions defined in Compute BMA as expected.
The Date/Time entry window used with the Batch Scheduler is only opening on the primary monitor in a multiple screen workstation. This is regardless of monitor screen used to schedule the Batch. 800xAPMB-OL-5130-001	This problem has been corrected.
The Modified by column in the Aspect list does not update when a Development Procedure Aspect is modified by another user using the PFC editor. Instead, the username that created the file is indicated. 800xAPMB-OL-5130-030	This problem has been corrected.
Phase can be incorrectly left marked as '**in use**', if certain OPC error conditions exist during completion of the phase. 800xAPMB-OL-5130-031	This problem has been corrected. The release of the phase is now unconditional and a new diagnostic message is added.

Table 65. Operational Issues (Continued)

Issue	Correction or Fix
When an AFW file that contains Batch units fails to import, the license count for the Batch units is incremental even though the units fail to load in the system. The incorrect count of units will then limit the number of Batch units that can be added to the system after the failed import. 800xAPMB-OL-5130-099 800xAPMB-OL-5104-094	This problem has been corrected. The license counts are now maintained correctly when the import fails.
The Batch Manager stops responding when two operators try to delete an unscheduled Batch at the same time from different Batch Overview Dialogs. 800xAPMB-OL-5131-107	This problem has been corrected. The Batch Manager will now properly handle multiple requests for deleting the same item from the Batch Overview Dialogs.
Changing Regional settings has no effect on the Batch Overview, Equipment and History Overview display names. The NLS translation tables are missing for each of the dialog names. The language displayed is in English only. 800xAPMB-OL-5140-102 Product Bulletin: 3BUA002681	This problem has been corrected.
Selecting a restart point in the exception recipe does not work correctly. This occurs after the exception recipe procedure has been initially triggered. Subsequent occurrences not occur if the exception triggered. 800xAPMB-OL-6000-003	This problem has been corrected.

Table 65. Operational Issues (Continued)

Issue	Correction or Fix
When pseudo unit instances are created by importing a unit type with the “Copy To All Instances” flag set (for the Batch Equipment Aspect), the newly created unit instances will not appear in the Equipment Overview. 800xAPMB-OL-6000-004	This problem has been corrected.
When a user logs on with Operator permissions, the pending message overview window is hidden under the PFC window. The user is required to look for the message dialog behind the PFC 800xAPMB-OL-6000-005	This problem has been corrected.
The data that is displayed in the Trend Report is not lining up with the correct column title in the report. 800xAPMB-OL-6000-006	This problem has been corrected.
Wrong phase parameter value indication on PFC phase label by using the standard indication **Add to Label**. 800xAPMB-OL-6000-007	This problem has been corrected.
The Auto align feature in the Procedure editor is not handling recipe layouts that include a loop back from start branch to preceding end branch. 800xAPMB-OL-6000-008	This problem has been corrected. The Auto align feature will now handle this condition.

Table 65. Operational Issues (Continued)

Issue	Correction or Fix
When using the icon settings profile value of "Medium", the batch History Overview icon will not show up on the toolbar. "Small" and "Small-Classic" profile values are working correctly. 800xPMB-OL-5140-105	This problem has been corrected.
Modified by column is not updated if the user logs in to PPA using Change User (Log Over change). It always updates this column with the System Logged in user. 800xAPMB-OL-5130-031	This problem has been corrected.

Section 19 800xA History

This section details the problems for 800xA History that are fixed in the 800xA 6.0 release.

Resolved in 800xA 6.0.1

Operation

Table 66 lists the major system or product operation issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 66. Operation Issues

Issue	Correction or Fix
Events generated by BATCH are transferred to History Server, as seen in vtrin all the event attributes are storing the values. When retrieved using 800xA History Event Server the Event attribute for BatchID returned with NULL (No value) although it is available in RTDB OPC Event Tables. 800xAHIS-OL-6001-001	This issue has been fixed. **Note:** BatchID Event Attribute need to be added in the Event Attribute filter of all 800xAEvent Collector Services.

Resolved in 800xA 6.0

Installation

Table 66 lists the major system or product installation issue that has been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 66 Installation Issues

Issue	Correction or Fix
The attribute information present in OPC Event Attributes table of Data Collector RTDB does not reach the corresponding table in RTDB of History Server. 800xAHistory-IN-2000-003	This issue has been fixed.

Operation

Table 67 lists the major system or product operation issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 67. Operation Issues

Issue	Correction or Fix
Live value update does not happen in Vtrin GUI opened in Replica Node of 800xA History Server. 800xAHIS-OL-6000-001	This issue has been fixed.

Table 67. Operation Issues (Continued)

Issue	Correction or Fix
When 800xA History Event data is being retrieved from 800xA History Server, the Time bound queries will fail to retrieve the History Events into workplace. 800xAHistory-OL-2000-018	This issue has been fixed.
While 800xA History Event Collector service is collecting event and attribute information from PPA Event Storage, a network disturbance between the Aspect Server and the Data Collector would stop collection of user-defined attribute information. 800xAHIS-OL-2001-002	This issue has been fixed.
The collection time intervals on dual Data Collectors may not synchronize, resulting in storing same datapoint twice with an additional timestamp. 800xAHIS-OL-2001-003	This issue has been fixed.
With more than one 800xA History Embedded Data Collector in same System 800xA, it has been observed that, occasionally duplicate events get stored in History Server. This happens only when there are events with same value of EventTime attribute and with different value of AlarmChange attribute. 800xAHIS-OL-2001-004	This issue has been fixed.

Section 20 800xA for Advant Master

This section details the problems for 800xA for Advant Master that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0.1

Installation

Table 71 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 68. Installation Issues

Issue	Correction or Fix
Sometime, the System installer hangs when installing 800xA for Advant Master. 800xAADM-IN-6000-004	This problem has been corrected.

Configuration

Table 69 lists the major system or product configurational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 69. Configuration Issues

Issue	Correction or Fix
The function Advant Master Alarm Refresh cannot be started manually, if more than one aspect with the name “General Properties” is placed on the Controller node object in the Control Structure. The property FORCE_REFRESH, which is used for manual refresh of the alarms, will not be found. 800xAADM-CN-6000-001	This problem has been corrected.

Operation

Table 69 lists the major system or product operations issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 70. Operation Issues

Issue	Correction or Fix
Process objects may be locked for operation in a period of 5 minutes. The faceplate view indicates 'locked by other', but there are no other users of the object. 800xAADM-OL-5010-005	The lock handling function has been made more robust against delayed lock responses from the controllers.
OPC DA Service Provider may crash when “Local Devices” system status displays are shown in the workplace. 800xAADM-OL-5111-005	This problem has been corrected.

Table 70. Operation Issues (Continued)

Issue	Correction or Fix
The red cross is shown on the process displays until the Connectivity Server is restarted. This problem concerns version S-FP 5.1.1-1 TC1 only. 800xAADM-OL-5111-006	This problem has been corrected.
The function for resend of subscription request signals which are not received by the controller. The function continues to send these request signals even if the subsequent signals are sent successfully. This can cause unnecessary load in RTA. 800xAADM-OL-5111-007	This problem has been corrected.

Resolved in 800xA 6.0

Installation

Table 71 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 71. Installation Issues

Issue	Correction or Fix
Upload of MP200 and MP200/1 controllers fails after Backup/Restore. The Control Connection aspect on these objects loose the network and node number. 800xAADM-IN-6000-003	This problem has been corrected.

Configuration

Table 72 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 72. Configuration Issues

Issue	Correction or Fix
MB300 uploader cannot upload S400 I/O units with 24V channels on Base board and 48V on Expansion and vice versa. 800xAADM-CN-5020-017	This problem has been corrected.

Operation

Table 73 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 73. Operational Issues

Issue	Correction or Fix
The 800xA for Advant Master Connectivity Server does not support Alarm refresh functionality. The Connectivity Server does not recreate and present the alarm state changes for objects in the controller that have occurred when the Connectivity Server (or the Event Collector) is not available. 800xAADM-OL-5100-006	The new function Advant Master Alarm Refresh is now available. See user documentation for more info.
Problem occurs when adding a Redundant Connectivity Server. After performing Add Redundant Server followed by the Configuration Wizard action Add RTA, the Event Collector Service provider for the newly created server does not enter the Service or Standby state. 800xAADM-OL-5110-008	This problem has been corrected.

Table 73. Operational Issues (Continued)

Issue	Correction or Fix
Module position (field **Pos**) is not presented correctly in the **S800 IO Module Detailed View** display, if S800 I/O clusters are used. 800xAADM-OL-5110-007	This problem has been corrected.
The reverse time sync mode does not work properly for redundant connectivity servers. This problem only affects 800xA for Advant Master used in System 800xA 5.1 FP4 Rev D. 800xAADM-OL-5111-004	This problem has been corrected.

Section 21 800xA for AC 100

This section details the problems for 800xA for AC 100 (including AC 100 OPC Server) that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0

Installation

Table 74 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 74. Installation Issues

Issue	Correction or Fix
A manual stop of AC 100 OPC Server was required before system update in the previous version. 800xAAC1-IN-5100-001	The AC 100 OPC Server is now shut down by the Configuration wizard action "Maintenance Stop”.

Operation

Table 75 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 75. Operational Issues

Issue	Correction or Fix
The license handling in OPC Server can give false messages. 800xAAC1-OL-5020-003	This problem has been corrected.
AOS PG2 faceplate shows wrong value in the bar graph if the value range is other than 0 - 100. 800xAAC1-OL-5020-004	This problem has been corrected.
AIS and AOS PG2 faceplates and object displays do not display the correct range for bar graphs and trends, if the number contains more than three digits. 800xAAC1-OL-5020-005	This problem has been corrected.
Calculated Integer Data MI and MIL PG2 faceplate does not allow input outside the range 1- 100. 800xAAC1-OL-5020-006	This problem has been corrected.

Section 22 800xA for Safeguard

This section details the problems for 800xA for Safeguard that are resolved in the 800xA 6.0 release.

Resolved in 800xA 6.0

Configuration

Table 76 lists the major system or product issues that have been corrected and updated in the user manual since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 76. Configuration Issues

Issue	Correction or Fix
800xA for Safeguard object types FI and GI did not support standard Object Locking functionality used with Multisystem Integration. 800xASAG-CN-6000-002	This problem has been corrected.
All PG2 faceplates didn't use standard faceplate background color. 800xASAG-CN-6000-0003	This problem has been corrected.

Operation

Table 77 lists the major system or product issues that have been corrected and updated in the user manual since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 77. Operational Issues

Issue	Correction or Fix
The 800xA for Advant Master and Safeguard Connectivity Server does not support Alarm refresh functionality. The Connectivity Server does not recreate and present the alarm state changes for objects in the controller that have occurred when the Connectivity Server (or the Event Collector) is not available. 800xASAG-OL-6000-001	This problem has been corrected.

Section 23 800xA for Melody

This section details the problems for 800xA for Melody that are resolved in the 800xA 6.0.1 release.

Resolved in 800xA 6.0.1

Configuration

Table 78 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 78. Configuration Issues

Issue	Correction or Fix
Tag inhibition is incompletely removed during tag modification After modifying an inhibited tag, the tag is no longer inhibited, but this change is not persistently stored. After restarting the redundant Connectivity Server pair the tag is inhibited again. If only one Connectivity Server is restarted the tag is inhibited on this server and not inhibited on the other one. Depending on which server is active the inhibit state in faceplate changes. 800xAMel-CN-5144-03	This problem has been corrected. Tag inhibition is not removed during tag modification, an inhibited tag remains inhibited. There is no difference between the visible and the persistent inhibit state of the tag and restarting a Connectivity Server does not change the inhibit state.

Table 78. Configuration Issues (Continued)

Issue	Correction or Fix
Failure of inactive Melody Connectivity Server after online deletion of tags. Online deletion of tags can fail if a tag is repeatedly created and deleted. This can cause the inactive Melody Connectivity Server to stop working when synchronizing tags. 800xAMel-CN-5144-02	This problem has been corrected.
Alarm count is wrong after tag modification or tag inhibited changes After modifying a tag the alarm list can wrongly show alarms as disabled and the alarm count shown in Alarm Band can be wrong. Further changes of alarm states can result in a negative alarm count. After removing the inhibit flag of a tag the next alarm state changes can be wrongly displayed in alarm list as disabled and the alarm count shown in Alarm Band can be wrong. 800xAMel-CN-5140-01	Handling of alarms after tag modifications has been corrected. Handling of alarms after tag inhibit changes has been changed to correct the problem. Tag inhibit changes will be immediately visible in alarm list.
Deleting a tag triggers an alarm refresh Deleting a tag triggers an alarm refresh in 800xA. Alarms that have been deleted in alarm list are sent out again. 800xAMel-CN-5140-02	Deleting a tag will no longer trigger an alarm refresh in 800xA.

Operation

Table 78 lists the major system or product operation issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 79. Operational Issues

Issue	Correction or Fix
Failure of Melody Connectivity Server after losing connection to a controller The Melody Connectivity Server can stop working if it loses the connection to a controller during put operations. If the connection problem to a controller reoccurs after its redundant partner gets active, both servers of a redundant pair can fail. 800xAMel-OP-5144-01	This problem has been corrected.
Possible Connectivity Server Failure at Startup A timing problem exists at startup in which the 800xA for Melody Connectivity Server might not start up completely and will not be able to provide data from the Melody Control System. 800xAMel-AD-5100-01	This problem has been corrected.

Section 24 800xA for DCI

This section details the problems for 800xA for DCI that are resolved in the 800xA 6.0.1 release.

Resolved in 800xA 6.0.1

Installation

Table 80 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 80. Installation Issues

Issue	Correction or Fix
Replacing an 800xA for DCI Connectivity Server using the System Configuration Console after the node had been previously deployed successfully will result in a failed action on creating a service provider. 800xADCI-IN-6000-003	The DCI Connectivity Server can now be replaced in an 800xA system using the System Configuration Console.

Configuration

Table 81 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has also been given wherever possible.

Table 81. Configuration Issues

Issue	Correction or Fix
SEC alarms are not configured the same as they were in Conductor NT. 800xADCI-CN-5023-011	The formatting of the 800xA for DCI SEC alarms on the SEQ Faceplates has been revised to provide the same data that was available on Conductor NT.
The Sequence Faceplate is missing an IOP “Invalid Operation” indication. 800xADCI-CN-5102-012	The IOP indicator has been added to the 800xA for DCI Sequence PG2 Faceplate. Follow the Post Installation instructions to complete the installation of this change in the Sequence Faceplate.
Area Names can be lost when a DCI Connectivity server is started. 800xADCI-CN-5102-011	DCI Network tables are no longer refreshed on a DCI Connectivity Server on startup.
A Harmony DCU may revert its clock to Eastern Standard Time (EST). 800xADCI-CN-5101-009	Time Zone files are shipped with 800xA for DCI. When 800xA is the Time Master of the DCI Network, the 800xA for DCI Connectivity servers will now supply Time Zone files to Harmony DCUs.

Operation

Table 82 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 82. Operational Issues

Issue	Correction or Fix
It may not be possible to acknowledge a Bad Input/Output alarm after the following sequence of events: 1. Module goes into Bad Input/Output (that is, by removing wires during maintenance). 2.Point goes out of Bad Input/Output directly into alarm (that is, by reconnecting the wires). 3.Point goes back to Normal. 4.Attempt to acknowledge the alarm. The process alarm will be acknowledged, but the Bad Input/Output alarm may not be. 800xADCI-OL-5102-001	Input/Output alarms have been fixed to allow acknowledgement after a Bad Input/Output alarm has returned to normal.
DI alarms can change condition from Discrete to Security, causing duplicate alarms to be displayed in the Alarm List. 800xADCI-OL-5102-003	DI alarms have been fixed so that their condition does not change if the DCI Alarm and Event Service Provider fails over.
Operator Call Events may become unacknowledged. 800xADCI-OL-5102-004	Operator Call Events have been fixed to be always acknowledgeable.

Table 82. Operational Issues (Continued)

Issue	Correction or Fix
Opening a CCL window from a multiple screen workplace may open on a different screen than the screen where CCL window was called. If multiple CCL windows are open, it is difficult to know which CCL window belongs to which faceplate. 800xADCI-OL-5102-002	The CCL window will now open on the monitor where the CCL window was called. Multiple screen workplaces should be configured as described in ***3BSE030322* System 800xA Operations Operator Workplace Configuration*** manual.
800xA for DCI process alarms are not recorded or displayed with millisecond precision. 800xADCI-OL-5102-005	800xA for DCI process alarms have been changed to display and store in millisecond precision.
800xA Event Collector may restart when many 800xA for DCI alarm acknowledgements are made in a short period of time. This could result in unacknowledgable 800xA for DCI alarms. 800xADCI-OL-5102-007	Alarm acknowledgement is no longer lost by time outs in the DCI OPC Alarm and Event server. The acknowledgement will be updated in 800xA if this occurs and a warning will be written to the DCI OPC AE server's Windows Application Log.
Sub-Conditions of Return to Normal events may not show the previous alarm state correctly. 800xADCI-OL-5102-014	The 800xA for DCI Alarm and Event server has been updated to note the previous alarm state of Return to Normal events to the DCI Event Historian.
800xA for DCI MSEQ and CCM Faceplates do not allow for the user to go to the first DTB module from the last module when in extended faceplate view. 800xADCI-OL-5102-015	The Next button on the last DTB module will return the user to the first DTB module in an MSEQ or CCM extended faceplate.

Table 82. Operational Issues (Continued)

Issue	Correction or Fix
800xA for DCI DTM values on MSEQ and CCM Faceplates are incorrectly displayed. 800xADCI-OL-5102-018	The 8th, 9th and 10th values of a DTM list for MSEQ and CCM Faceplates have been correctly associated with controller data.
800xA for DCI MSEQ Faceplates are missing a Timer that Conductor NT MSEQ Displays have. 800xADCI-OL-5102-019	A TMR field has been added to the 800xA for DCI MSEQ Faceplate.

Resolved in 800xA 6.0

Operation

Table 83 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 83. Operational Issues

Issue	Correction or Fix
800xA for DCI OPC DA Server may crash when thread memory is released to the operating system. This is an additional cause for 800xA for DCI OPC DA crashes. 800xADCI-OL-5023-007	Thread safe changes were made to the 800xA for DCI OPC DA server to prevent releasing memory to the operating system until the thread is finished with it.

Table 83. Operational Issues (Continued)

Issue	Correction or Fix
When a DCU Tagname Object (object associated with a DCU tagname) is deleted, any subsequent alarms from that DCU Tagname still appears in the Alarm & Event List. An object is not created in Lost and Found as expected. 800xADCI-OL-5023-008	800xA for DCI OPC AE server no longer continues to subscribe to deleted tagname objects for alarms or events.
800xA for DCI System and Process alarms may not be acknowledgeable after an AE Server failover. 800xADCI-OL-5023-004	Internal 800xA for DCI Alarm processing has been changed to allow all alarms to be acknowledged after AE Server failovers.
800xA for DCI System alarms may not be acknowledgeable after an AE Server failover. 800xADCI-OL-5023-006	800xA for DCI System alarms are acknowledgeable after AE Server failovers.
Network table synchronization between Conductor NT nodes and 800xA for DCI Connectivity nodes may corrupt the DCI Network tables. 800xADCI-OL-5023-005	800xA for DCI does not use the DCI Network tables. It has been modified to not write to them to stop corrupting other DCI Network products in the same Console Group.
800xA for DCI OPC DA Server may crash and automatically restart. 800xADCI-OL-5023-003	A decimal to string conversion issue that can lead to a crash in the 800xA for DCI OPC DA server has been corrected.

Table 83. Operational Issues (Continued)

Issue	Correction or Fix
The error message Object DCUx not found appears when attempting to select some DCU objects on a DCI System Status Display. 800xADCI-OL-5021-013	Selecting DCU objects on the DCI System Status Display will navigate to that object without error.
On the Timer (TMR) Module faceplate, if the FMT Value is 11 the Stored Preset Limit (SPL) value cannot be written as HH:MM:SS. 800xADCI-OL-5022-008	Faceplate displayed field formatting has been fixed on Timer Modules.
The Status field on the 800xA for DCI faceplate for Digital Output (DO) Modules incorrectly reports Out of Ser when the associated DOB Module is Out of Service. 800xADCI-CN-5022-007	The DO Faceplates have been fixed to display status correctly.
A failover of an 800xA Batch for DCI Batch Server may not correctly identify when a phase is complete. When this happens, the phase continues to show as active on the Procedure Function Chart (PFC), even after the phase is complete. The recipe will not continue beyond the phase without manual intervention. This is of concern because there is no indication that the recipe has not continued. 800xADCI-OL-5101-007 Product Bulletin 3BUA002398	800xA for DCI has been fixed to reliably failover in the event of an 800xA for DCI Batch OPC Server crash.

Table 83. Operational Issues (Continued)

Issue	Correction or Fix
Irrelevant CCL file names may be displayed on CCM and PHS module faceplates. 800xADCI-CN-5022-010	The CCL file name has been removed from the CCM and PHS module faceplates.

Installation

Table lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 84. Fixed Issues

Issue	Correction or Fix
System 800xA 5.1 System Installer does not automatically install 800xA for DCI 5.1 software. 800xADCI-IN-5100-003	System 800xA for DCI installation is supported in System 800xA 6.0 using System Installer or the System 800xA Manual Installation Launchpad.

Section 25 800xA for Harmony

This section details the problems for 800xA for Harmony that are resolved in the 800xA 6.0.1 release.

Resolved in 800xA 6.0.1

Installation

Table 85 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 84. Installation Issues

Issue	Correction or Fix
The Make Redundant feature in the Nodes Configuration tab of the Configure Systems task does not include the "PC, Network and Software Monitoring Services for Harmony and Melody” function in the list of available node functions that are redundant. 800xA for Harmony requires that the "PC, Network and Software Monitoring Services for Harmony and Melody" function be applied to all 800xA for Harmony Connectivity Server nodes. 800xAHAR-IN-6000-008	The Make Redundant feature now includes the required “PC, Network and Software Monitoring Services for Harmony and Melody” function on 800xA for Harmony Connectivity Server node.
Replacing an 800xA for Harmony Connectivity Server using the System Configuration Console after that node had been previously deployed successfully will result in a failed action on creating a service provider. 800xAHAR-IN-6000-009	The 800xA for Harmony deploy was updated to correctly handle the case where Service Providers created during the deploy already exist.

Configuration

Table 85 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 84. Configuration Issues

Issue	Correction or Fix
If a user attempts to re-import tags on a system that has been upgraded, new Functional Structure assignments will not be imported if the "Merge…" option is selected. If the "Replace…" option is selected, old Functional Structure assignments will be deleted, but the new assignments will not be imported. A similar problem exists if importing the same tags a second time, but from a different .mdb file that contains Area, Unit, Equipment or SecGroup objects that have different object IDs than the original ones. 800xAHAR-CN-6000-003	This issue has been corrected

Operation

Table 86 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 85. Operation Issues

Issue	Correction or Fix
After failover of redundant 800xA for Harmony Connectivity Servers, the **Active Times** of existing Harmony alarms can change. 800xAHAR-OL-5022-029	Active Times for active alarms are now synchronized at server startup. A synchronizing icon is now displayed in the Harmony Server faceplate during the synchronization process. Enabling Module Time Stamping on the Harmony Connectivity Servers will help to minimize the differences in Active Times after startup.
After fail-over of redundant 800xA for Harmony Connectivity Servers, Module Status Tag alarms that had been previously acknowledged may appear again as unacknowledged. 800xAHAR-OL-5102-014	A timing issue was found at startup that could result in erroneous BAD quality alarm and Module Status Tag alarm return to normal events being generated. When this occurred during startup of an inactive Harmony Sever, upon failover these events would appear as new unacknowledged alarms. The startup logic has been updated to better prevent erroneous BAD quality alarm return to normal events from being generated.
Harmony alarms are not displayed in the Alarm & Event list until after specs (Alarm Limits, Process Limits, Alarm State information, etc.) are received for a tag at startup. It is possible that there may be a delay between startup and receiving specs for a tag. A related issue is that all Harmony tag properties are initialized to good quality at startup before specs and process values have been received. 800xAHAR-OL-5102-018	The Harmony Server will now generate alarms for a tag if specs have not yet been received. All loadable spec tag properties are now initialized to Uncertain (Sub-normal) until specs are received. Value tag properties are now initialized to Uncertain (non-specific) until a process value is received from the Control System.

Table 85. Operation Issues (Continued)

Issue	Correction or Fix
The Harmony Module Status Tag aspects that display Module Type incorrectly identify the SPIEB800 INFI-Net to PNI800 Plant Network Bridge module as an IIT05. 800xAHAR-OL-6000-004	This issue has been corrected.
A problem has been reported where signals on a graphic display went bad quality due to an internal locking problem in the 800xA for Harmony OPC DA Server. 800xAHAR-OL-5022-030	Internal error handling logic has been improved in the 800xA for Harmony OPC DA Server to lessen the chances of an internal locking issue occurring.
The Harmony Server does not restart the ICI when an ICI watchdog time-out occurs. 800xAHAR-OL-5102-021	The Harmony Server logic was updated to better detect ICI watchdog time-out conditions and to restart the ICI if a watchdog time-out is detected.

Table 85. Operation Issues (Continued)

Issue	Correction or Fix
The Enhanced Analog Input, Enhanced Analog Output, Enhanced Digital Input and Enhanced Digital Output Faceplate Enhanced Override Lock Status Faceplate Icon functionality is reversed. The keylock icon is displayed when the override lock status is false, and it is not displayed when the override lock status is true. 800xAHAR-OL-6000-005	This has been corrected.. The keylock icon is now displayed when the override lock status is true
It is not possible to specify the number of digits displayed after the decimal point for the Violated Limit attribute in the Alarm & Event List. 800xAHAR-OL-5102-024	The number of digits displayed after the decimal point for the Violated Limit attribute in the Alarm & Event List is now defined by the Initial Process Value Format property (PV/FOR). This can be configured in the TagConfig aspect. A quality indicator suffix will also now be displayed after the Violated Limit if it is not good quality.

Resolved in 800xA 6.0

Configuration

Table 85 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 85. Configuration Issues

Issue	Correction or Fix
Deleting a Tag that is configured as another Tag's inhibit Tag when on-line change processing is enabled can result in System 800xA for Harmony Connectivity Server stability issues. 800xAHAR-OL-5022-003, 800xAHAR-CN-5022-003	The software has been corrected to resolve this issue.
All available Module problem reports may not be displayed in the Harmony Module Details Aspect. 800xAHAR-CN-5102-010	The software has been corrected to resolve this issue.
When an **Infi90 Harmony Station Read** is in Computer Mode, an Operator is able to perform control operations. 800xAHAR-CN-5101-010	This has been fixed for PG2 and VB Faceplates.

Operation

Table 86 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 86. Operation Issues

Issue	Correction or Fix
An application error or crash may occur during the startup of the Harmony Eb190Server process. 800xAHAR-OL-5102-013	Process startup errors have been corrected for the Harmony EbI90Server process.
Trying to change manual/auto, user inserted value, force exception report or any other control action on DAANG tag may generate "red-tagged" system (SY) event even though the tag is not red-tagged. 800xAHAR-OL-6000-001	The software has been corrected to resolve this issue.
A timing problem exists at startup in which the 800xA for Harmony EbServerBroker service can fail and then restart. If this occurs, the Harmony Servers and Event Concentrator status on the node will be **Unavailable**. 800xAHAR-OL-5102-012	The software has been corrected to resolve this issue.

Table 86. Operation Issues (Continued)

Issue	Correction or Fix
800xA for Harmony may incorrectly report a resource shortage for Non-paged Pool Memory. If this problem occurs, the Harmony Server Tag will show an **Internal Error** status for the Harmony Server Tag Object, and a **Low Resource** alarm will be generated. The issue is a result of the default Non-paged Pool Memory alarm value limits being set too low. 800xAHAR-OL-5101-008, 800xAHAR-OL-5102-008	The software has been corrected to resolve this issue.
The alarm handling of Module Status Tag local and remote I/O errors for communication and controller module types is not consistent. Local and remote I/O error alarms are generated for communication Module Status Tags but not for controller Module Status Tags. Furthermore, it is not possible to filter out the local and remote I/O errors for communication modules. 800xAHAR-OL-5101-009	Local and remote I/O error alarms are now be generated for Controller Module Status Tags, and a new configuration option has been added to the Harmony Server Tag Config Aspect that allows the local and remote I/O errors to be filtered out.
A PG2 based 800xA Harmony Batch PhaseX Faceplate was not provided in 800xA 5.1 Rev D and earlier revisions. 800xAHAR-OL-5102-003	A PG2 based 800xA Harmony Batch PhaseX faceplate is included with Harmony Batch 6.0.

Table 86. Operation Issues (Continued)

Issue	Correction or Fix
If a user attempts to execute phases manually using the PG2 PhaseX faceplate, the Recipe ID text may not be correctly displayed in the Acquiring IDs tab of the extended faceplate. Note that the main faceplate tab does show the correct Recipe ID text. 800xAHAR-OL-5102-007	The Recipe ID text has been corrected.
An "Invalid License Granted: No such feature exists" license error for the AO_NET_MON feature can be generated for some configurations. 800xAHAR-OL-5102-009	The software has been corrected to resolve this issue.
Writing a RedTag Key string containing either more than three characters or containing a non alpha-numeric characters could result in a Harmony Server failure. 800xAHAR-OL-5101-011	The software has been corrected to resolve this issue.
The Enhanced Analog Input, Enhanced Analog Output, Enhanced Digital Input and Enhanced Digital Output Faceplate button operation is reversed for the Normal Input Mode and User Input Mode. 800xAHAR-OL-5101-012	The software has been corrected to resolve this issue.

Section 26 800xA for MOD 300

This section details the problems for 800xA for MOD 300 that are resolved in the 800xA 6.0.1 release.

Resolved in 800xA 6.0.1

Installation

Table 86 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 86. Installation Issues

Issue	Correction or Fix
After installation, "Allow Parallel Redundancy" is enabled on the automatically created 800xA for MOD 300 OPC DA Service Group. 800xA for MOD 300 does not support parallel redundancy, however. 800xAMOD-IN-6000-004	"Allow Parallel Redundancy" is disabled on creation for 800xA for MOD 300 OPC DA Service Group starting with System 800xA 6.0.1. If the system was created using System 800xA 6.0, “Allow Parallel Redundancy” will need to be unchecked on the MOD 300 OPC DA Service Group in the Service Structure.
Replacing an 800xA for MOD 300 Connectivity Server using the System Configuration Console after that node had been previously deployed successfully will result in a failed action on creating a service provider. 800xAMOD-IN-6000-005	The MOD 300 Connectivity Server can now be replaced in an 800xA system using the System Configuration Console.

Operation

Table 86 lists the major system or product operational issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 86. Operational Issues

Issue	Correction or Fix
Data Entry FCM MEASLREF cannot be written to from a graphic display. This field used to be writable in AdvaCommand (HP-UX) operator stations and MOD 300 Multibus consoles. Product Bulletin: 3BUA002925 800xAMOD-OL-5103-002	MEASLREF is now a writable field on Data Entry FCM graphic displays in 800xA for MOD 300.
When cleared, TCL Unit Alarm messages may not display in the TCL Message List even after returning to an alarm state. Product Bulletin: 3BUA002807 800xAMOD-OL-5102-002	TCL Unit Alarm messages will now display correctly when returning to an alarm state after being cleared
Under heavy MOD Batch loads, the OPC DA and OPC AE servers on a MOD 300 Connectivity server may restart to reestablish a connection to the RTAB. 800xAMOD-OL-6000-002	Load balance MOD Batch elements across controllers. Keep controller CPU and MOD Batch equipment, units and phases within documented supported levels.

Resolved in 800xA 6.0

Configuration

Table 86 lists the major system or product configuration issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 86. Configuration Issues

Issue	Correction or Fix
Users are unable to select from the drop down menus (for example, Group Status, Area Status), while using certain multiple monitor configurations. The problem occurs when multiple monitors are used in a "stacked" configuration and the primary monitor is not configured as one of the monitors on the bottom. Multiple monitors used in a side by side configuration are not experiencing this problem. There is no problem with single monitor configuration. 800xAMOD-CN-5020-018	Multiple monitor support has been fixed in 800xA for MOD 300 displays.

Installation

Table 86 lists the major system or product installation issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 86. Installation Issues

Issue	Correction or Fix
There is a problem with the System 800xA for MOD 300 Client versus the Client/Server Installation package of 800xA for MOD 300. 800xAMOD-IN-5024-002	System 800xA for MOD 300 does not allow the selection of Client/Server installation without having PAS installed first in System 800xA 6.0. A pop-up message is displayed to the user and installation will not proceed if the selection is made.

Operation

Table 87 lists the major system or product operation issues that have been corrected since the previous version or service pack. A brief description of the correction has been given wherever possible.

Table 87. Operation Issues

Issue	Correction or Fix
MOD 300 Diagnostic Message do not synchronize across multiple 800xA for MOD 300 Alarm and Event server pairs (For example: When the AE Servers are in their own unique AE Service Group). 800xAMOD-OL-5011-011 Product Bulletin: 3BUA002812	A feature has been added to disable Diagnostic Messages for a given 800xA for MOD 300 Alarm and Event server.
PDL messages originating from the TCL, such as those generated by the STARTBATCH, ENDBATCH, and RECORD statements, are not stored in the PDL database when they contain fields with any of the following characters: <. >, ', “, &. 800xAMOD-OL-5023-006	Special characters are now available for PDL messages originating from TCL.
When opening a Non-Rate Periodic Totalizer FCM in a LoopFCM Display after changing the Period Unit value, `“Error #383 Text property is read-only”` was generated by AdvTemplates::NewRuntimeValue. 800xAMOD-OL-5101-010	Changing Period Unit Value will no longer result in producing Error #383.

Table 87. Operation Issues (Continued)

Issue	Correction or Fix
After restarting PAS, System Status Display archive messages appear in the wrong order. 800xAMOD-OL-3500-001	Archive messages will be displayed correctly after restarting PAS.
If you have a Periodic Rate Totalizer and a Nonperiodic Rate Totalizer in the same loop, the Non-Periodic Rate Totalizer will be displayed as a Periodic Rate Totalizer when you display the FCM templet using the FCM templet button in theLoop_FCM display. 800xAMOD-OL-5101-009	The FCM display has been fixed.
The LKP FCM display does not match between AdvaBuild and 800xA for MOD 300. 800xAMOD-OL-5101-010	800xA for MOD 300 6.0. LKP FCM display matches AdvaBuild.
When writing to a controller from a MOD 300 Faceplate, it can take a few seconds for the Faceplate to update and show the newly written value. Note that the value is written in the controller/field within 50 milliseconds. 800xAMOD-OL-5101-007, 800xAMOD-OL-5101-005 Product Bulletin: 3BUA002358	Performance enhancements were made so the newly written value is updated more quickly on the Faceplate.

Table 87. Operation Issues (Continued)

Issue	Correction or Fix
MOD 300 Display Servers can hang from a number of scenarios, resulting in blue status dots on MOD 300 displays. 800xAMOD-OL-5101-006 Product Bulletin 3BUA002386	MOD 300 Display Servers have been updated to handle cases that could hang a display server.
TCL Recipe HI, LO, and VAL data points shown on PG2 displays may be displayed incorrectly as a result of an incorrect data type being used. 800xAMOD-OL-5020-023	TCL Recipe HI, LO, and VAL data points are now displayed using the correct data type.
HI and LO values displayed by the TCL Recipe Detail display show only one decimal place. 800xAMOD-OL-5023-005	HI and LO values on the TCL Recipe Detail display are now displayed with four decimal places, rounded.
The 800xA for MOD 300 online help information is not updated with the 800xA 5.1 release. 800xAMOD-OL-5100-001	800xA for MOD 300 online help files have been updated with the 800xA 6.0 release.

Appendix A Additional Configurations

Visual Search Indication

A visual search indication is provided to operate exactly as it currently does when reading data from the PPA event storage. The indication will remain until the events are returned or the search completes without returning any events matching the selected filter. If the search indicator is closed and there are no events in the list then no events were found that matched the filter.

Relative Time Filters

To provide consistent and deterministic alarm and event call-up times a time range is applied to the event filters. On initial call-up the filter is configured with a Duration filter. The Duration filter defines how far back in time from the current time to get events from. Therefore, if an alarm and event page with a Duration filter of 1 week were called up it would show all data from now to now minus 7 days.

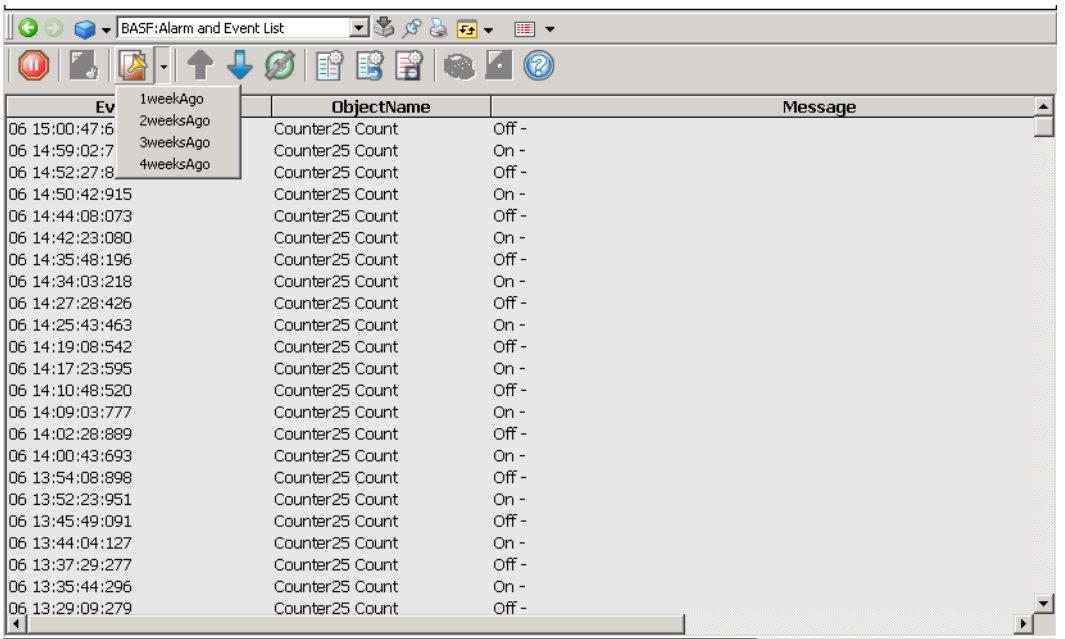


Figure 1. Alarm and Event List - Duration Filter

Once the initial alarm and event page is launched with the Duration filter a Runtime filter using relative time is used to select additional time windows. Runtime filters is used to retrieve events further back in time using relative time criteria.

For example building on the prior example where we launched the alarm and event page to show the prior week of data, we can apply a Runtime filter to show the data from two weeks in the past (start = now -7 d, end = now - 14 d). Make sure that the quotes around the filter as shown in Figure 2 are required.

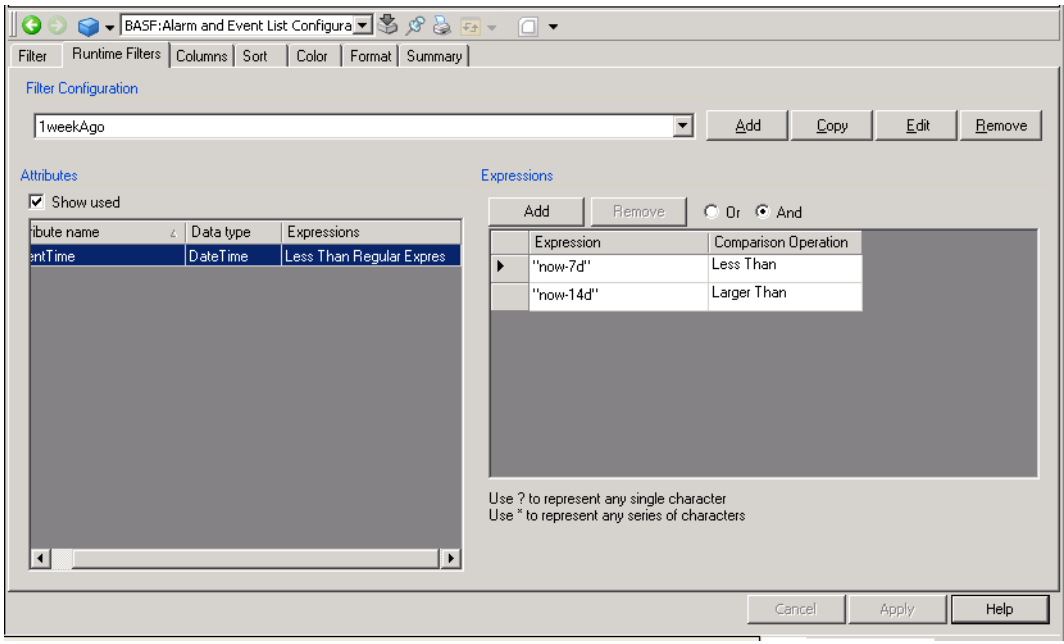


Figure 2. Alarm and Event List - Runtime Filter

Only support for the keyword "now" has been implemented. For more information about keywords and offsets, refer to *System 800xA Configuration (3BDS011222*)*.

National Language Support (NLS)

Filter expressions are not automatically translated into different local languages and some expression parts are even treated as key words like “now”.

This would require configuring specific event pages with expressions for “German” and “English” local settings.

For German translation the filter expressions could utilize the fact that some expression parts are the same in English and German. This applies to “h” for

“Hour/Stunde”, “mo” for “month/Monat”, “m” for “minute/Minute” and “s” for “second/Sekunde”.

Filter Expressions should be created by using “h” for hours. Like “now - 48 h” and have a label/filter name to the Operators stating “Jetzt - 2 Tage.

Revision History

This section provides information on the revision history of these Release Notes. The following table lists the revision history of these Release Notes.

Revision Index	Description	Date
-	Version published for 6.0.2.	April 2016
A	Version published for 6.0.2.	May 2016

Updates in Revision Index A

The following table shows the updates made in this Release for 800xA 6.0.2.

Updated Section/Sub-section	Description of Update
Section 3 Engineering Studio	Updated the issues as part of maintenance activity.
Section 5 Application Change Management	
Section 9 SFC Viewer	

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