

800xA Smart Client

Release Notes

Version 2.2 Revision C Rollup 2b



800xA Smart Client

Release Notes

Version 2.2 Revision C Rollup 2b

NOTICE

This document contains information about one or more ABB products and may include a description of or a reference to one or more standards that may be generally relevant to the ABB products. The presence of any such description of a standard or reference to a standard is not a representation that all of the ABB products referenced in this document support all of the features of the described or referenced standard. In order to determine the specific features supported by a particular ABB product, the reader should consult the product specifications for the particular ABB product.

ABB may have one or more patents or pending patent applications protecting the intellectual property in the ABB products described in this document.

The information in this document is subject to change without notice and should not be construed as a commitment by ABB. ABB assumes no responsibility for any errors that may appear in this document.

Products described or referenced in this document are designed to be connected, and to communicate information and data via a secure network. It is the sole responsibility of the system/product owner to provide and continuously ensure a secure connection between the product and the system network and/or any other networks that may be connected.

The system/product owners must establish and maintain appropriate measures, including, but not limited to, the installation of firewalls, application of authentication measures, encryption of data, installation of antivirus programs, and so on, to protect the system, its products and networks, against security breaches, unauthorized access, interference, intrusion, leakage, and/or theft of data or information.

ABB verifies the function of released products and updates. However system/product owners are ultimately responsible to ensure that any system update (including but not limited to code changes, configuration file changes, third-party software updates or patches, hardware change out, and so on) is compatible with the security measures implemented. The system/product owners must verify that the system and associated products function as expected in the environment they are deployed.

In no event shall ABB be liable for direct, indirect, special, incidental or consequential damages of any nature or kind arising from the use of this document, nor shall ABB be liable for incidental or consequential damages arising from use of any software or hardware described in this document.

This document and parts thereof must not be reproduced or copied without written permission from ABB, and the contents thereof must not be imparted to a third party nor used for any unauthorized purpose.

The software or hardware described in this document is furnished under a license and may be used, copied, or disclosed only in accordance with the terms of such license. This product meets the requirements specified in EMC Directive 2004/108/EEC and in Low Voltage Directive 2006/95/EEC.

TRADEMARKS

All rights to copyrights, registered trademarks, and trademarks reside with their respective owners.

Copyright © 2005-2017 by ABB.
All rights reserved.

Release: August 2017
Document number: 2PAA117087-510 B

Table of Contents

About This Release Note

General	7
Release Note Conventions	7
Warning, Caution, Information, and Tip Icons	7

Section 1 - Release Notes

Introduction	11
Release Notes Safety Notices	11
Product Description	12
Product Support	12
Enhancements	13
Smart Client Server, Data Provider, and Desktop Installation	13
Smart Client Excel Interface Installation.....	15
Enabling 800xA Graphics	17
Installation of 800xA updates on 800xA 5.0 SP2 Rev C	17
Installation of 800xA updates on 800xA 5.0 SP2 Rev D.....	18
Installation of 800xA updates on 800xA 5.0 SP2 Rev E	19
Installation of 800xA updates on 800xA 5.1 Rev A	19
Installation of 800xA updates on 800xA 5.1 Rev A 64-bit.....	20
Installation of 800xA updates on 800xA 5.1 FP1	20
Installation of 800xA updates on 800xA 5.1 FP1 64-bit	21
Installation of 800xA updates on 800xA Multiple Versions	22
Upgrade Smart Client v2.0 SP2 Rollup1, v2.1 SP1 to v2.2 Rev C Rollup 2b	22
Upgrade Smart Client v2.2 Older Versions	24
Upgrade Smart Client Excel Interface v2.2 Older Versions	26
800xA System Upgrade.....	26

Smart Client Excel Interface Installation Procedure 27
Smart Client Excel Interface Report Upgrade..... 27
Smart Client Desktop Launch 30
Smart Client Desktop URL Trace Argument 30
Smart Client Desktop URL Cache Argument 31

Section 2 - Fixed Problems

Operation 33

Section 3 - Known Problems

Severity 41
Installation 41
Administration 43
Configuration 44
Operation 45
Miscellaneous 52

Appendix A - OPC Item Name Syntax Rules

Appendix B - Version Information

Updates in Revision Index A 61
Updates in Revision Index B 61

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 represents the release for 800xA Smart Client version 2.2 Rev C Rollup 2.

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, etc.

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.

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*)* and *System 800xA Released User Documents (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 [myABB/My Control System](#) when released as part of a major or minor release, Service Pack, Feature Pack, or System Revision.

- Published to [myABB/My Control System](#) 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 MyABB.

Section 1 Release Notes

Introduction

This document represents the release notes for 800xA Smart Client 2.2 Rev C Rollup 2.

This document provides a brief overview on functionality. It enumerates known problems encountered in the final testing of the product release. Where possible, the document identified workarounds that help overcome the problem. The document contains additional notes that may be valuable to customers and service personnel working with the product.

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. 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. 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 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.

Product Description

The product consists of three parts:

1. The web server and client, which allows the thin client to be downloaded to a PC and launched.
2. The data provider/service, which allows Smart Client Desktops to show real-time data and historical data.
3. The workplace and panel configurations, which allows the user to customize various parts of the Smart Client system.

The Smart Client Desktop is a .NET application, which is downloaded from a web server. It allows connection to one or more Systems showing real-time process values. The Smart Client Desktop allows the user to create his own presentation displays called panels, which can monitor various parts of the automation system.

The data providers are a set of programs that connect to various data sources e.g. real-time values and historical data. The values read from the data providers are presented uniformly to the Smart Client Desktop. The Smart Client Desktop subscribes to objects via the data providers who provide real-time updates to the information.

Product Support

Contact ABB technical support for assistance in problem reporting.

Enhancements

Smart Client 2.2 Rev C Rollup 2 enables users to work with Windows 10 for Client nodes.

Smart Client 2.2 Rev C Rollup 2 now additionally works with:

- System Version 6.0.2
- System Version 6.0.3

Smart Client Server, Data Provider, and Desktop Installation



Use the “Run as administrator” option to launch the installation setup.

[Table 1](#) shows the Operating System which is compatible with the different nodes.

Table 1. Operating System for each Node

Supported Operating Systems	Smart Client Nodes
Windows Server 2003 SP2	Smart Client Server Smart Client Data Provider Smart Client Desktop Smart Client Desktop (SCNative mode)
Windows Server 2008	Smart Client Server Smart Client Data Provider Smart Client Desktop Smart Client Desktop (SCNative mode) Smart Client Desktop (SC or SCPG2 mode)
Windows XP SP3	Smart Client Data Provider Smart Client Desktop Smart Client Desktop (SCNative mode)

Table 1. Operating System for each Node

Supported Operating Systems	Smart Client Nodes
Windows 7	Smart Client Data Provider Smart Client Desktop Smart Client Desktop (SCNative mode) Smart Client Desktop (SC or SCPG2 mode)
Windows Server 2012	Smart Client Server Smart Client Data Provider Smart Client Desktop Smart Client Desktop (SCNative mode) Smart Client Desktop (SC or SCPG2 mode)
Windows 8.0 Windows 8.1	Smart Client Data Provider Smart Client Desktop Smart Client Desktop (SCNative mode) Smart Client Desktop (SC or SCPG2 mode)
Windows 10	Smart Client Desktop Smart Client Desktop (SCNative mode) Smart Client Desktop (SC or SCPG2 mode)

Following are the compatible System 800xA versions for Smart Client v2.2 Rev C Rollup 2 Data Provider and Client Server:

- System Version 4.1 Revision M
- System Version 800xA 5.0 SP2 (Rev C*, Rev D* and Rev E*)
- *System Version 5.1 Rev A, Rev B, Rev C, Rev D, Rev E
- *System Version 5.1 FP1
- *System Version 5.1 FP3
- *System Version 5.1 FP4
- *System Version 5.1 FP4 Rev D
- *System Version 5.1 FP4 Rev E
- *System Version 6.0, 6.0.1, 6.0.2, 6.0.3



System Version 5.1 Rev A and later support both 32-bit and 64-bit.

*Smart Client 800xA Graphics are supported.

Refer *Smart Client Installation and Configuration Manual (2PAA107391*)* for additional installation instructions.

Refer [Appendix B, Version Information](#) for more information on the previous and the current Smart Client release information.

Smart Client Excel Interface Installation

Supported Operating Systems for Smart Client Excel Interface.

[Table 2](#) shows the Operating Systems which are compatible with the different nodes.

Table 2. Windows version for Smart Client Excel Interface

Smart Client Nodes	Supported Windows and Microsoft Office
Smart Client Excel Interface	Windows Server 2003 SP2 (32-bit) Windows Server 2008 (32-bit) Windows XP SP3 Windows 7 (32-bit or 64-bit) Windows Server 2012 Windows 8.0 Windows 8.1 Windows 10
Microsoft Office	MS Office 2007 SP2 (32-bit) MS Office 2010 (32-bit) MS Office 2013 (32-bit) MS Office 2016 (32-Bit) Office 365

Prerequisites for installing Smart Client Excel Interface.

Following prerequisites must be installed manually before Excel Interface installation:

Common: Microsoft Office 2007 and Microsoft Office 2010

- Microsoft Visual C++ 2008 Redistributable –x86 9.0.30729.4148
Look in “Program and Features” and see if it is already installed. If you are running Smart Client, the prerequisite is already installed.
Smart Client media path:
<<media>>\800xA Smart Client\ISSetupPrerequisites\{CC580482-9EA2-4CCB-85C3-8F68F8245C6A}\
File name: “ms09_35vcredist_x86.exe”
- Microsoft Visual Studio Tools for the Microsoft Office system (version 3.0 Runtime) (x86)
Download from the following path:
<http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=23656>
File name: “vstor30.exe”

For Microsoft Office 2007 SP2

- Microsoft Visual Studio Tools for the Microsoft Office System (version 3.0 Runtime) Service Pack 1 (x86)
Download from the following path:
<http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=1132>
File name: “vstor30sp1-KB949258-x86.exe”
- KB976477
Download from the following path:
<http://support.microsoft.com/kb/976477>
Select “View and request hotfix downloads” under “Hotfix Download Available”.
File name: “officekb976477fullfilex86glb”
- KB980210 - VSTO addin for office 2007
Download from the following path:
<http://support.microsoft.com/kb/980210>
Select “View and request hotfix downloads” under “Hotfix Download

Available”.

File name “officekb980210fullfilex86glb”

For Microsoft Office 2010

N/A.

For Microsoft Office 2013

N/A.

For Microsoft Office 2016

N/A.

For Office 365

N/A.

Enabling 800xA Graphics

800xA Updates must be installed to enable the 800xA Graphics in Smart Client. Installation of the Temporary Correction in a running system requires that node types be upgraded in the following order:

1. All 800xA Application Servers (IM, Batch, AO, etc.)
2. All 800xA Connectivity Servers
3. All 800xA Aspect Servers - Primary Aspect Server shall be upgraded last
4. All 800xA Client Nodes



Before continuing with the next Server Node wait until all services on the previously installed Server Node are in Service State or Standby. Use the System Status Viewer and wait until all Services shows “green”. Avoid stopping Server Nodes while Services are in state Initialize or Synchronizing.

Installation of 800xA updates on 800xA 5.0 SP2 Rev C

Perform the following steps before the 800xA Updates for 800xA 5.0 SP2 Rev C is installed:

1. Close all the 800xA Workplace on the node and other applications, if any.

2. If you are not logged on as a user with Administration privileges, log off and log on as a user with these privileges.
3. Stop all processes associated with 800xA Base, by using the Maintenance function in the Configuration Wizard (including restart of Windows Explorers and Windows File browsers).
4. Verify that all processes associated with 800xA Base have been stopped by opening up the Windows Task Manager, e.g. no processes with the prefix Afw shall be running.
5. Install the 800xA Update for the 800xA 5.0 SP2 Rev C from <<media>>\Smart Client 2.2\800xA Process Graphics Interface\800xA 5.0 SP2 Rev C Process Graphic Interface.
6. Restart the node.

Installation of 800xA updates on 800xA 5.0 SP2 Rev D

Perform the following steps before the 800xA Updates for 800xA 5.0 SP2 Rev D is installed:

1. Close all the 800xA Workplace on the node and other applications, if any.
2. If you are not logged on as a user with Administration privileges, log off and log on as a user with these privileges.
3. Stop all processes associated with 800xA Base, by using the Maintenance function in the Configuration Wizard (including restart of Windows Explorers and Windows File browsers).
4. Verify that all processes associated with 800xA Base have been stopped by opening up the Windows Task Manager, e.g. no processes with the prefix Afw shall be running.
5. Install the 800xA Update for the 800xA 5.0 SP2 Rev D from <<media>>\Smart Client 2.2\800xA Process Graphics Interface\5.0 SP2 Rev D Process Graphic Interface.
6. Restart the node.

Installation of 800xA updates on 800xA 5.0 SP2 Rev E

Perform the following steps before the 800xA Updates for 800xA 5.0 SP2 Rev E is installed:

1. Close all the 800xA Workplace on the node and other applications, if any.
2. If you are not logged on as a user with Administration privileges, log off and log on as a user with these privileges.
3. Stop all processes associated with 800xA Base, by using the Maintenance function in the Configuration Wizard (including restart of Windows Explorers and Windows File browsers).
4. Verify that all processes associated with 800xA Base have been stopped by opening up the Windows Task Manager, e.g. no processes with the prefix Afw shall be running.
5. Install the 800xA Update for the 800xA 5.0 SP2 Rev E from <<media>>\Smart Client 2.2\800xA Process Graphics Interface\800xA 5.0 SP2 Rev E Process Graphic Interface.
6. Restart the node.

Installation of 800xA updates on 800xA 5.1 Rev A

Perform the following steps before the 800xA Updates for 800xA 5.1 RevA is installed:

1. Close all the 800xA Workplace on the node and other applications, if any.
2. If you are not logged on as a user with Administration privileges, log off and log on as a user with these privileges.
3. Stop all processes associated with 800xA Base, by using the Maintenance function in the Configuration Wizard (including restart of Windows Explorers and Windows File browsers).
4. Verify that all processes associated with 800xA Base have been stopped by opening up the Windows Task Manager, e.g. no processes with the prefix Afw shall be running.

5. Install the 800xA Update for the 800xA 5.1 Rev A from <<media>>\Smart Client 2.2\800xA Process Graphics Interface\800xA 5.1 RevA Process Graphics Interface.



800xA Base 5.1.0 RUIk TC3b has to be uninstalled and reinstalled after installing 800xA Updates for Rev A.

To uninstall *800xA Base 5.1.0 RUIk TC3b*, run the BAT file (Remove 800xA Base51RevATC3b.bat) included on the Smart Client Installation media <<media>>\Release Notes\Tools\Remove 800xA Base51RevATC3b\

6. Restart the node.

Installation of 800xA updates on 800xA 5.1 Rev A 64-bit

Perform the following steps before the 800xA Updates for 800xA 5.1 RevA is installed:

1. Close all the 800xA Workplace on the node and other applications, if any.
2. If you are not logged on as a user with Administration privileges, log off and log on as a user with these privileges.
3. Stop all processes associated with 800xA Base, by using the Maintenance function in the Configuration Wizard (including restart of Windows Explorers and Windows File browsers).
4. Verify that all processes associated with 800xA Base have been stopped by opening up the Windows Task Manager, e.g. no processes with the prefix Afw shall be running.
5. Install the 800xA Update for the 800xA 5.1 Rev A 64-bit from <<media>>\Smart Client 2.2\800xA Process Graphics Interface\800xA 5.1 RevA Process Graphics Interface.
6. Restart the node.

Installation of 800xA updates on 800xA 5.1 FP1

Perform the following steps before the 800xA Updates for 800xA 5.1 FP1 is installed:

1. Close all the 800xA Workplace on the node and other applications, if any.

2. If you are not logged on as a user with Administration privileges, log off and log on as a user with these privileges.
3. Stop all processes associated with 800xA Base, by using the Maintenance function in the Configuration Wizard (including restart of Windows Explorers and Windows File browsers).
4. Verify that all processes associated with 800xA Base have been stopped by opening up the Windows Task Manager, e.g. no processes with the prefix Afw shall be running.
5. Install the 800xA Update for the 800xA 5.1 FP1 from <<media>>\Smart Client 2.2\800xA Process Graphics Interface\800xA 5.1 FP1 Process Graphic Interface.
6. Restart the node.

Installation of 800xA updates on 800xA 5.1 FP1 64-bit

Perform the following steps before the 800xA Updates for 800xA 5.1 FP1 is installed:

1. Close all the 800xA Workplace on the node and other applications, if any.
2. If you are not logged on as a user with Administration privileges, log off and log on as a user with these privileges.
3. Stop all processes associated with 800xA Base, by using the Maintenance function in the Configuration Wizard (including restart of Windows Explorers and Windows File browsers).
4. Verify that all processes associated with 800xA Base have been stopped by opening up the Windows Task Manager, e.g. no processes with the prefix Afw shall be running.
5. Install the 800xA Update for the 800xA 5.1 FP1 64-bit from <<media>>\Smart Client 2.2\800xA Process Graphics Interface\800xA 5.1 FP1 Process Graphic Interface.
6. Restart the node.

Installation of 800xA updates on 800xA Multiple Versions

Following are the versions of 800xA System that installation can be performed on:

- 5.1 FP3
- 5.1 RevB
- 5.1 RevC
- 5.1 RevD
- 5.1 RevE
- 5.1 FP4
- 5.1 FP4 RevD
- 5.1 FP4 RevE
- SV6.0
- SV 6.0.1
- SV 6.0.2
- SV 6.0.3



The updates are part of the respective 800xA versions and hence there is no separate installation updates required.

Upgrade Smart Client v2.0 SP2 Rollup1, v2.1 SP1 to v2.2 Rev C Rollup 2b



Use the “Run as administrator” option to launch the installation setup.

Following steps are required to be performed on Smart Client Server node:

1. Copy Workplace and Panel files from <<Installation Directory>>\ABB cpmPlus Smart Client\SC\Files\Public to <<Backup Directory>>\SC\WPFiles\Public. Perform a backup also of the ...Files\Private and ...Files\Shared.
2. Copy Configuration files from <<Installation Directory>>\ABB cpmPlus Smart Client\SC\Config to <<Backup Directory>>\SC\ConfigFiles\Config.
3. Un-install Smart Client 2.1 or Smart Client 2.0, whichever is installed.
4. Install 800xA Smart Client 2.2 Rev C Rollup 2 - ‘Server Node’.
5. Install 800xA Smart Client 2.2 Rev C NLS package - ‘Server Node’.

6. Replace Configuration and Workplace files in the corresponding folder (For example: <<Installation Directory>>\ABB Smart Client\SC\Config for Configuration files. Similarly, for Public, Private, and Shared directories) from the location <<Backup Directory>>\SC.



This warning is only for Trend panels when replacing into a different system or within the same system where the system name is modified. Ensure that the <DataProviderName> within the panel files is replaced with the same system name wherever it occurs. Following example shows the system name that has to be updated in the panel files.

Example: If the trend panel file has the entry
<DataProviderName>SCW591A2008800XAOPCDA</DataProviderName>

Where,
SCW591A2008 is the system name.
800XAOPCDA is the data provider.

Update the correct system name.

Following steps are required to be performed on Smart Client Data Provider node:

1. Un-install Smart Client 2.1 or Smart Client 2.0, whichever is installed.
2. Install 800xA Smart Client 2.2 Rev C Rollup 2 - '800xA Data Provider Node'.

Following steps are required to be performed on all other 800xA nodes than Smart Client Data Provider node:

1. Un-install Smart Client 2.1 or Smart Client 2.0, whichever is installed.
2. Install 800xA Smart Client 2.2 Rev C Rollup 2 - '800xA Client'.
3. Load system extension 'ABB Smart Client' using 800xA Configuration Wizard.

Upgrade Smart Client v2.2 Older Versions



Use the “Run as administrator” option to launch the installation setup.

Following steps are required to upgrade Smart Client v2.2, v2.2 Rev A, v2.2 Rev B, v2.2 Rev B Rollup 1, v2.2 Rev C, v2.2 Rev C Rollup 1 to v2.2 Rev C Rollup 2 on Smart Client Server node:

1. Copy Workplace and Panel files from <<Installation Directory>>\ABB Smart Client\SC\Files\Public to <<Backup Directory>>\SC\WPFiles\Public. Perform a backup also of the ...Files\Private and ...Files\Shared.
2. Copy Configuration files from <<Installation Directory>>\ABB Smart Client\SC\Config to <<Backup Directory>>\SC\ConfigFiles\Config.
3. Uninstall all the Temporary Corrections of Smart Client, if any.
4. Uninstall 800xA Smart Client 2.2 or 2.2 Rev A, 2.2 Rev B, 2.2 Rev B Rollup 1 or 2.2 Rev C NLS package, if applicable.
5. Uninstall 800xA Smart Client 2.2 or 2.2 Rev A, 2.2 Rev B, 2.2 Rev B Rollup 1 or 2.2 Rev C, whichever is installed.
6. Install 800xA Smart Client 2.2 Rev C Rollup 2 - ‘Server Node’.
7. Install 800xA Smart Client 2.2 Rev C NLS package - ‘Server Node’.
8. Replace Configuration and Workplace files in the corresponding folder (For example: <<Installation Directory>>\ABB Smart Client\SC\Config for

Configuration files. Similarly, for Public, Private, and Shared directories) from the location <<Backup Directory>>\SC.



This warning is only for Trend panels when replacing into a different system or within the same system where the system name is modified. Ensure that the <DataProviderName> within the panel files is replaced with the same system name wherever it occurs. Following example shows the system name that has to be updated in the panel files.

Example: If the trend panel file has the entry
<DataProviderName>SCW591A2008800XAOPCDA</DataProviderName>

Where,
SCW591A2008 is the system name.
800XAOPCDA is the data provider.

Update the correct system name.

Following steps are required to be performed on Smart Client Data Provider node:

1. Uninstall all the Temporary Corrections of Smart Client, if any.
2. Un-install 800xA Smart Client 2.2 or 2.2 Rev A, 2.2 Rev B, 2.2 Rev B Rollup 1, 2.2 Rev C or 2.2 Rev C Rollup 1, whichever is installed.
3. Install 800xA Smart Client 2.2 Rev C Rollup 2 - '800xA Data Provider Node'.

Following steps are required to be performed on all other 800xA nodes than Smart Client Data Provider node:

1. Un-install 800xA Smart Client 2.2 or 2.2 Rev A, 2.2 Rev B, 2.2 Rev B Rollup 1, 2.2 Rev C or 2.2 Rev C Rollup 1, whichever is installed.
2. Install 800xA Smart Client 2.2 Rev C Rollup 2 - '800xA Client'.
3. Apply the System Extension maintenance for 800xA Smart Client using 800xA Configuration Wizard.



The procedure explained in this section is also applicable if Smart Client Server and Data Provider nodes are combined.

Upgrade Smart Client Excel Interface v2.2 Older Versions

Following prerequisites must be installed manually on the Smart Client Server node before installing the Smart Client Excel Interface:

- Microsoft Office 2007 Suite with SP2 Or Microsoft Office 2010.
- Following is the order of the Patch Installation for Microsoft Office 2007 SP2 (For ALL USERS):
 - a. Install the patch KB976477 after installing the MS-Office 2007 SP2.(This should be a manual installation, as distribution is not allowed in Installer)
 - b. Install the patch KB980210 after installing the patch KB976477.(This should be a manual installation, as distribution is not allowed in Installer)

Following steps are required to upgrade Smart Client Excel Interface v2.2 Rev A, v2.2 Rev B, v2.2 Rev C, v2.2 Rev C Rollup 1 to v2.2 Rev C Rollup 2 on Smart Client Server node:

1. Ensure Microsoft Excel application is not in use during installation / uninstallation.
2. Copy the existing Excel files from <<Installation Directory>>\ABB Smart Client Excel Interface to <<Backup Directory>>\SCEExcelInterface.
3. Uninstall Smart Client Excel Interface 2.2 Rev A, 2.2 Rev B, 2.2 Rev C or 2.2 Rev C Rollup 1.
4. Install Smart Client Excel Interface 2.2 Rev C Rollup 2.
5. Replace excel files placed under <<Installation Directory>>\ABB Smart Client Excel Interface with the excel files from the location <<Backup Directory>>\SCEExcelInterface.
6. Delete Apps 2.0 folder from the location <<User Directory>>\AppData\Local\ before launching Smart Client Excel Interface.

800xA System Upgrade

For any major version upgrade of 800xA System or a System Update where a new 800xA rollup is installed, it is mandatory to uninstall Smart Client Data Provider in

IM node. After the update or upgrade the Smart Client Data Provider can be reinstalled.



Oracle backup is recommended before Smart Client is uninstalled.

Smart Client Excel Interface Installation Procedure

Uninstall older version of the Smart Client Excel Interface:

- Open **Control Panel > Add or Remove Programs**.
- Select *ABB Smart Client Excel Interface* and click **Remove**.

Then, copy the installation setup to a location and double click the setup file found in the Excel Interface setup directory.

Repeat this procedure on all Nodes where the Excel Interface has to be installed.

Smart Client Excel Interface Report Upgrade

After the Excel Interface has been installed, all old, existing Excel Interface report must be converted to the new template format.



Upgrade must be performed only if Microsoft Office version is upgraded.

To make the old excel report compatible with current version of Excel Interface, perform the following steps:

1. Open an old Excel Report and from the **Office** button select **Prepare > Properties**.
2. Select **Document Properties > Advanced Properties**.

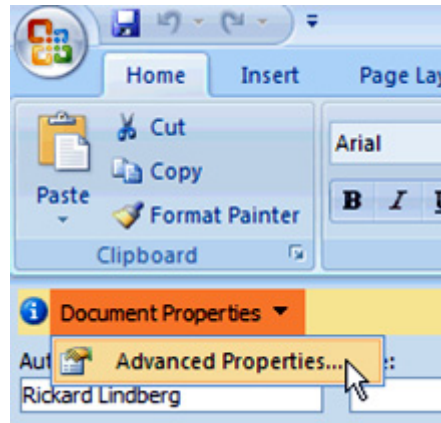


Figure 1. Document Properties - Advanced

3. Click **Custom** tab.

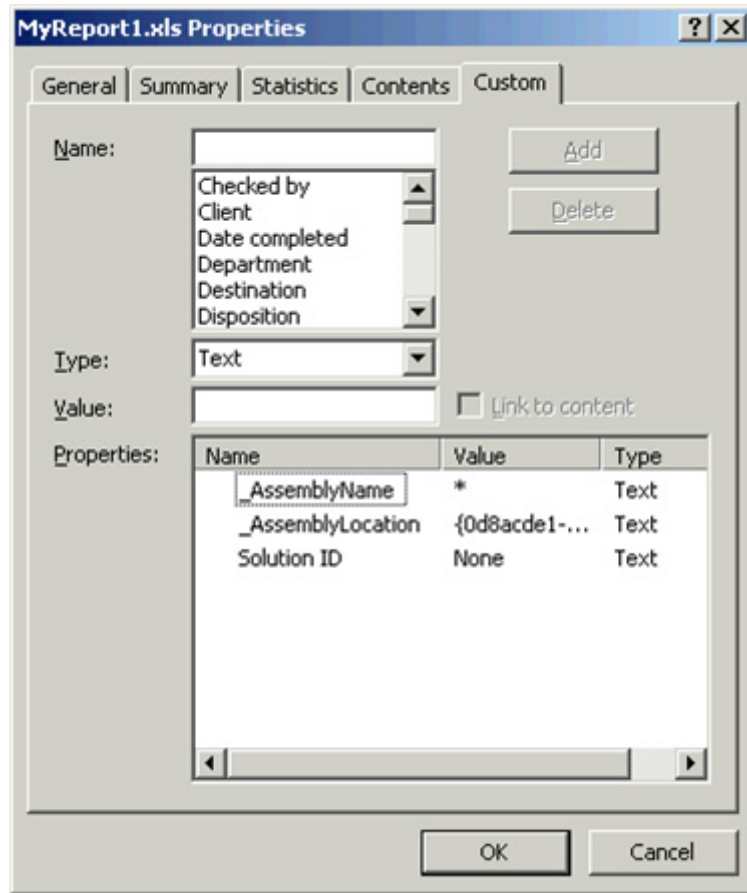


Figure 2. Advanced Properties - Custom Tab

4. Delete `_AssemblyName` and `_AssemblyLocation` properties.
5. Save the report.
6. Repeat the Steps 1 through 5 for all the old Excel Reports.

Smart Client Desktop Launch



From Smart Client 2.2 Rev C, VC++ 2008, VC++2012 redistributable is mandatory to launch Smart Client irrespective of the operating system.

The Smart Client application can be launched in two modes - Standalone or 800xA Graphics mode. Standalone mode supports Smart Client Graphics and the 800xA Graphics mode supports both Smart Client and 800xA Graphics.

800xA Graphics mode can be used when there is a need to view 800xA Graphics built in 800xA. To launch the Smart Client Desktop:

Enter the url ***http://<webserver IP address>/SC*** or ***http://<webserver IP address>/SCNative*** for Standalone mode, which is a default mode for Smart Client Desktop to launch.



The mode ***http://<webserver IP address>/SCNative*** can be used to launch SC from any 800xA node.

For any Windows XP and Windows 2003 node (either 800xA or non 800xA node) .NET 3.5 SP1 is required to launch SC in SCNative mode.

Enter the url ***http:// <web server IP address>/SC?FEATURE=SCPG2*** for 800xA Graphics mode in the address bar of the Internet Explorer. This mode cannot be used while launching Smart Client Desktop on an 800xA node.



If launched in 800xA Graphics mode the 800xA Graphics files will be downloaded and if VC++ is not found in the system it will be installed automatically based on user permission. If the user has no administrator rights the C++ runtime must be installed manually by a system administrator. The installation file for C++ runtime can be found in the either locations:

- Smart Client media:
 <<media>>\800xA Smart Client\ISSetupPrerequisites\{12576CDF-1B9C-4713-892F-2F84CE538DC2}\
 File name: “vcredist_x86.exe”

Smart Client Desktop URL Trace Argument

The Smart Client Desktop URL Trace Argument is used for debugging the initial application flow. Default trace level is configured as “0” which will not show additional information, to know more information or for debugging set trace level to

1. Depending on the trace level set, the messages will be displayed in the status bar of Smart Client application.

Syntax:

trace=<trace level>

Default if the trace argument is not present is trace level 0.

<trace level> - trace level as per Smart Client standard.

Example:

<<SC Server IP address>>/SC?trace=1

For 800xA Graphics

<<SC Server IP address>>/SC?feature=SCPG2?trace=1

Smart Client Desktop URL Cache Argument

Smart Client Desktop will automatically download to the client cache from Smart Client Server Node. In a highly secured environment, or where roaming profiles are used as the default domain security policy, it may not be possible for Smart Client assembly to be cached properly to the client computer. As a result, it may be necessary to alter the behaviour of the Smart Client start up to ignore automatically looking to update the client cache.

User can copy the cache from server node manually to client node and use Cache argument to disable the automatic download from the Smart Client Server Node. After the Smart Client Desktop is launched, the cache can be found in the following folder.

For Windows Server 2008, Windows Server 2012 and Windows 8.1:

C:\Users\<user login id>\AppData\Roaming\ABB Smart Client\cache\<SC Server IP address>\

For Windows Server 2003:

C:\Documents and Settings\<<UserName>>\Application Data\ABB Smart Client\cache\<SC Server IP address>\

Syntax:

cache=<cache handling>

<cache handling> - can be set to 'retain' or 'auto'.

retain - don't validate the cache content or try to download updates from the Smart Client Server Node.

auto – validate the cache and download updates from the Smart Client Server Node.

Default is auto, if the cache argument is not present.

Example:

<<SC Server IP Address>>/SC?cache=retain

Section 2 Fixed Problems

This section details the Fixed Problems for 800xA Smart Client that have been fixed in the Smart Client v2.2 Rev C Rollup 2 release since the previous release.

Refer to *800xA Smart Client v2.2 Rollup 1 Release Notes (2PAA111415*)* for issues fixed in 800xA Smart Client v2.2 Rollup 1 release.

Operation

[Table 3](#) 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 is also given.

Table 3. Operational Issues

Issue	Correction or Fix
When the Smart Client DP and Aspect Server are separate nodes, apply the system extension fails. 800xASMC-OL-5110-276	The error is corrected.
The SC License Data Provider (PpcDpLicense.exe) might leak memory which causes restart of the process. 800xASMC-OL-5110-273	The error is corrected.
The SC 800xA History Search Data Provider crashes / restarts when performing Add / Rename / Delete of tags. 800xASMC-OL-5110-289	The error is corrected.

Table 3. Operational Issues (Continued)

Issue	Correction or Fix
<p>The SC 800xA History Search Data Provider crashes / restarts due to the presence of '%' character in the variable name / description / units of a tag.</p> <p style="text-align: right;">800xASMC-OL-5110-288</p>	<p>The error is corrected.</p>
<p>Changes done in smart client server to support the time zone correction for smart excel.</p> <p style="text-align: right;">800xASMC-OL-5110-304</p>	<p>The error is corrected.</p>
<p>Smart client Trend data retrieval gives different results when working with different time zones.</p> <p style="text-align: right;">800xASMC-OL-5110-308</p>	<p>The error is corrected.</p>
<p>800xA Trend failed to show data in smart client when NLS package is installed in data provider node.</p> <p style="text-align: right;">800xASMC-OL-5110-300</p>	<p>The error is corrected.</p>
<p>Ranges, engineering units and description are not shown correctly in smart client trend when object type property contains “_” in its names.</p> <p style="text-align: right;">800xASMC-OL-5110-316</p>	<p>The error is corrected.</p>
<p>When selecting a property from popup dialogue of property browser incorrect property is shown and plotted in Smart client Trend.</p> <p style="text-align: right;">800xASMC-OL-5110-314</p>	<p>The error is corrected.</p>
<p>Smart client does not show data when the OPCHDA log property path contains special characters.</p> <p style="text-align: right;">800xASMC-OL-5110-301</p>	<p>The error is corrected.</p>

Table 3. Operational Issues (Continued)

Issue	Correction or Fix
<p>Events are not displayed in Smart client Event List when the user enters event source name. This issue is seen when the external historian is 800xa History.</p> <p style="text-align: right;">800xASMC-OL-5110-302</p>	The error is corrected.
<p>The SC PG2 Data Provider (PpcDp800xAGraphics.exe) might leak memory which causes restart of the process.</p> <p style="text-align: right;">800xASMC-OL-5110-311</p>	The error is corrected.
<p>The SC OPC HDA Data Provider (Ppcdpopchda.exe) might leak memory which causes restart of the process.</p> <p style="text-align: right;">800xASMC-OL-5110-315</p>	The error is corrected.
<p>When Smart client NLS package is installed Smart client trend launched from PG2 graphic display does not show correct Ranges, units and description.</p> <p style="text-align: right;">800xASMC-OL-5110-317</p>	The error is corrected.
<p>When PG2 graphic elements are hidden in PPA, Smart client Print shows the hidden PG2 graphic elements.</p> <p style="text-align: right;">800xASMC-OL-5110-320</p>	The error is corrected.
<p>Subscriptions in the Excel sheet may be lost when save & exit of the Excel file.</p> <p style="text-align: right;">800xASMC-OL-5110-271</p>	The error is corrected.
<p>When having many logs subscribed in the Excel sheet, the subscriptions might fail randomly due to timeouts.</p> <p style="text-align: right;">800xASMC-OL-5110-258</p>	The error is corrected.

Table 3. Operational Issues (Continued)

Issue	Correction or Fix
Smart client is not able to communicate on port number other than default Port: 80. 800xASMC-OL-5110-294	Smart client is now enhanced to support communication on port number other than Port: 80. Contact ABB technical support for details and assistance.
Missing aggregate in Excel Interface to get linear interpolated data. 800xASMC-OL-5110-279	The error is corrected.
When using the 800xA History Data Providers, drag drop to the 'Drop Log Area' in Excel Interface, does not fetch the Units and Description. 800xASMC-OL-5110-293	The error is corrected.
The 'Manage Subscriptions' window of Excel Interface does not display properly when resized. 800xASMC-OL-5110-290	The error is corrected.
The 'Manage Subscriptions' window of Excel Interface becomes blank upon using the 'Cancel' or 'Don't Save' buttons that appears when closing the Excel. 800xASMC-OL-5110-291	The error is corrected.
When using the 800xA History Data Providers, the 'Item Name' in the 'Manage Subscriptions' window of Excel Interface, appears as GUID's instead of path. 800xASMC-OL-5110-292	The error is corrected. A new drag drop of objects has to be performed in order to populate the path properly.
The Smart Client Excel Interface does not get installed on Office 365 Excel 2013 due to compatibility issue. 800xASMC-OL-5110-296	The error is corrected.

Table 3. Operational Issues (Continued)

Issue	Correction or Fix
<p>The Smart excel client does not have the option to remove Future time stamp data for an interpolated aggregate.</p> <p style="text-align: center;">800xASMC-OL-5110-303</p>	<p>A new option has been provided in the Manage subscriptions UI to remove the Future Time stamp data. When “Remove Future items” are checked, Future time stamps will not be shown for any interpolated aggregates selected.</p> <p>“Remove Future items” will be checked by default.</p>
<p>Extraction of tags data gave different results for users in different time zones.</p> <p style="text-align: center;">800xASMC-OL-5110-304</p>	<p>A new option has been provided to select Server/Local Time zone in the smart excel Addin.</p> <p>The data retrieval happens based on the selected option.</p> <p>By default server time zone will be selected.</p>
<p>Missing possibility to hide the 800xA Data provider tabs from the property browser.</p> <p style="text-align: center;">800xASMC-OL-5110-306</p>	<p>Hide the 800xA DP tab from property browser.</p> <p>Option to check/Uncheck the visibility of 800xa Data provider during the installation.</p> <p>This option can be used to restrict the users to retrieve data into smart excel via 800xa History data providers.</p>

Table 3. Operational Issues (Continued)

Issue	Correction or Fix
<p>Smart excel does not have ways to edit the interpolation interval directly from an Excel cell.</p> <p style="text-align: center;">800xASMC-OL-5110-307</p>	<p>Option to Select the Interpolation interval from Excel cell has been provided.</p> <p>Following options are added in the Log retrieval configuration window:</p> <p>Excel Cell selection</p> <p>Configure an excel cell from where the interpolation interval will be used.</p> <p>Apply to all Logs</p> <p>The interpolation interval from the excel cell shall be applied to all the logs</p>
<p>Sometimes in smart excel when the interpolation interval is changed and then start all is applied the already retrieved data is not cleared properly.</p> <p style="text-align: center;">800xASMC-OL-5110-305</p>	<p>The error is corrected.</p>
<p>Incorrect data with date and time is shown in smart excel When Raw retrieval is selected. This issue is seen when the external historian is 800xaHistory.</p> <p style="text-align: center;">800xASMC-OL-5110-318</p>	<p>The error is corrected.</p>
<p>When Start All is pressed multiple times invalid data with date and time is shown in smart excel while retrieving Raw data. This issue is seen when the external historian is 800xaHistory.</p> <p style="text-align: center;">800xASMC-OL-5110-319</p>	<p>The error is corrected.</p>

Table 3. Operational Issues (Continued)

Issue	Correction or Fix
<p>Smart client database configuration tool crashes when the password is not encrypted .This scenario happens when the user does not select the Oracle Database option during installation, the setup does not encrypt and just stores the default passwords as plain text. The same issue happens with Backup/Restore Tool .</p> <p style="text-align: right;">800xASMC-OL-5110-335</p>	<p>Database configuration tool does not crash .The user will be prompted with a password change dialog box to change the password so that the password will be encrypted.</p>
<p>Smart client Desktop will not get launched in 32 bit windows Operating system. This issue is introduced in 2.2 Rev C RU2a</p> <p style="text-align: right;">800xASMC-OL-5110-338</p>	<p>The error is corrected.</p>
<p>Smart client Status display Tool does not get launched in a 32 bit windows Operating System. The same issue happens with Resolve OPC Item Tool. This issue is introduced in 2.2 Rev C RU2a.</p> <p style="text-align: right;">800xASMC-OL-5110-342</p>	<p>The error is corrected.</p>

Section 3 Known Problems

This section details the Known Problems for 800xA Smart Client that exist in the system at the time of release. It also enumerates known problems encountered in the final testing of this product release and identifies workarounds that help overcome the problem.

Severity

A Severity level indicator is given for each known problem. The severity level is intended to provide an indication of the possible effect that a problem may exhibit in a system when installed. Severity level “Important” indicates Critical or High.

Installation

[Table 4](#) lists issues that may exist and affect the installation and upgrade of the system or product at time of release. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 4. Installation Issues

Issue	Workarounds, Clarifications, and Helpful Hints
Events may not appear after installing the Smart Client Data Provider in the IM node. Event 800xA service is restarting in Program Supervision manager. Important 800xASMC-IN-5110-001	Restart the IM node.

Table 4. Installation Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
<p>The security level is reset to default in the Smart Client Server node if the Smart Client application is repaired using “Programs and Features”.</p> <p style="text-align: right;">Important 800xASMC-IN-5110-002</p>	<ol style="list-style-type: none"> 1. Stop the DDR Data Provider from Supervision Manager. 2. Double click on “Command Line” property and change the security level. 3. Restart the DDR Data Provider.
<p>Modify option used in the “Programs and Features” is not supported in this release.</p> <p style="text-align: right;">Important 800xASMC-IN-5110-003</p>	<p>No workarounds exists.</p>
<p>Installation of Smart Client data providers on System 800xA Version 5.0 SP2 prompt the user for a node level restart. This is due to the version of MSXML utilized by Softalarms.</p> <p style="text-align: right;">Important 800xASMC-IN-5110-009</p>	<p>To avoid the restart message of the Node, stop the softalarm service group on the node where the installation is being performed before installing 800xA Smart Client on 800xA System nodes. After Installation is complete restart the service group.</p> <p>A restart is not necessary.</p>
<p>800xA 5.0 SP2 - Smart Client Installation in Aspect Server Node requires restart.</p> <p style="text-align: right;">Important 800xASMC-IN-5110-005</p>	<p>The MSXML SP3 component which is prerequisite for Smart Client Installation prompts for a restart in Aspect Server Node.</p>

Administration

Table 5 lists the issues that may exist and affect administration at time of release including user, node, and service structure related problems. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 5. Administration Issues

Issue	Workarounds, Clarifications, and Helpful Hints
<p>A message is shown as “limited functionality available” in the Smart Client Desktop even though valid licence is available.</p> <p style="text-align: right;">Important 800xASMC-AD-5110-008</p>	<p>If the problem appears,</p> <ul style="list-style-type: none"> • For PG2 mode, restart the PG2 Data Provider. • For Standalone mode, restart the License Data Provider. <p>If the problem still persists, restart the Data Provider node.</p>
<p>800xA 5.0 SP2 - Some 800xA Trend Display will not appear in Smart Client and Status bar displays “Unresolved Object are found...”.</p> <p style="text-align: right;">800xASMC-AD-5110-002</p>	<p>This issue is observed when any controller project is deleted and imported back to 800xA. The trends for some of this objects are not able to get resolved from 800xA to Smart Client.</p> <p>No workaround exists.</p>
<p>Smart Client Licence provider error appears after restarting the Data Provide Node.</p> <p style="text-align: right;">800xASMC-AD-5110-011</p>	<p>The error can be ignored to continue.</p>
<p>When launching the Smart Client Desktop in a Windows 2003/2008/2012 Server, a Security Warning showing the Publisher as 'Unknown Publisher' may appear. This happens if Verisign Class 3 certificate is missing in Window 2003/2008/2012 servers.</p> <p style="text-align: right;">800xASMC-AD-5110-012</p>	<p>The error can be ignored. Alternatively Windows XP KB patch Kb931125 can be applied on the Windows 2003 Server machine.</p>

Table 5. Administration Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
When dropping and re-creating the Smart Client tablespace from Database Configuration Tool in the SV 4.1 IM Node, a COM related error may be presented. 800xASMC-AD-5110-013	The error can be ignored to continue. No workaround exists.

Configuration

Table 6 lists the issues that may exist and affect configuration of the system or product at time of release. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 6. Configuration Issues

Issue	Workarounds, Clarifications, and Helpful Hints
When the number of trend traces that are subscribed are more than 50, further subscriptions may not work with an error indication in the status bar. Important 800xASMC-CN-5110-003	The registry entry "HKEY_LOCAL_MACHINE > SOFTWARE > ABB > AFW > SystemModules > AdvHtHistoryHdr > 1.0-0 > private > MaxOngoingTransations" can be used to change the transaction limit. The recommended value from System 800xA is 200.

Operation

Table 7 lists the issues that may exist and affect Smart Client operation at time of release. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 7. Operation Issues

Issue	Workarounds, Clarifications, and Helpful Hints
<p>Moving time Indicator not available in X-Axis for Trend Display.</p> <p>800xASMC-OL-5110-025</p>	<p>No workaround exists.</p>
<p>Trend Display grid lines are not proportional to on X and Y-axis.</p> <p>800xASMC-OL-5110-027</p>	<p>No workaround exists.</p>
<p>The group property for visibility does not set the visibility of the group to invisible during runtime.</p> <p>Important 800xASMC-OL-5110-033</p>	<p>Set the visibility of the individual element if necessary.</p>
<p>In some of the graphical controls like Circular Gauge, Column Chart etc., on the Windows 7 platform the tooltips flicker.</p> <p>Important 800xASMC-OL-5110-035</p>	<p>If the cursor is held stationary over the object, the tooltip will stabilize and no longer flicker.</p>
<p>Property browser value shows -1 when MOTOR is ON. For example: Binary True is presented as a -1 instead of a +1.</p> <p>800xASMC-OL-5110-036</p>	<p>If an application utilizes the actual values, plan for the values of true to be represented by a -1 or utilize a NOT False logic to insure -1 and +1 can be considered.</p>

Table 7. Operation Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
It is not possible to add an item to the composite property editor. <p style="text-align: right;">Important 800xASMC-OL-5110-037</p>	No workaround exists.

Table 7. Operation Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
<p>Smart Client Desktop sometimes do not automatically reconnect if the Smart Client Server Node or Data Provider Node is restarted. This might also happen due to network disturbances.</p> <p>Sometimes the Smart Client Desktop may not show the red cross mark during disconnection.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-038</p> <p>“No System” appears in the browsers of Smart Client Desktop when there is a COM disconnection and later connected back.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-004</p> <p>Restart of SC Server or enable/disable of Network on SC Server does not bring back values on the Smart Client Desktop.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-010</p> <p>OPC Subscription fails to update if there is any of following situations:</p> <ul style="list-style-type: none"> • SC Server Restarted. • SC Server COM Service Restarted. • SC Server network cable disconnected and reconnected again. • SC Server network connection disabled/enabled. • APS Service in 800xA is restarted. <p style="text-align: right;">Important 800xASMC-OL-5110-028</p>	<p>Restart the Smart Client Desktop.</p>

Table 7. Operation Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
<p>After removal of a System 800xA Object from the system an existing graphic which is operating and displaying data will not be able to detect that the object has been deleted and is no longer part of the system.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-039</p>	<p>A restart of the Smart Client or closing of the panel which stops the subscription will refresh the subscription and the error will be indicated properly.</p> <p>It is recommended to manage object removal and adding of objects in a managed way to maintain the integrity of the installed system.</p>
<p>In edit mode, moving a large group of objects using the mouse has slow performance.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-044</p>	<p>In Windows 7 and Windows 2008 operating systems avoid using Aero themes.</p> <p>There is no workaround for Windows 8 and Windows 2012 since there are no non-Aero themes.</p> <p>Using keyboard arrow keys can also improve performance.</p>
<p>If horizontal zoom is selected before the Zoom mode selection then Y Scale on Trend can be lost after the reload of the configuration. Default configuration is reload 0 to 100.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-045</p>	<p>Prior to reload click on the zoom icon.</p>
<p>Repeated scrolling forward and backward of a trend display without allowing the trend to catch up with the requested information can cause the system behavior to become sluggish and non responsive.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-046</p>	<p>When a trend request is being processed, wait for the trend request to complete.</p>

Table 7. Operation Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
<p>Property Browser hangs for long time when opening node with many objects. If there are many child objects under a parent object, Property Browser may hang or restart while opening.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-050</p>	<p>Increase the alivetimeout of BRW800xA Data Provider. Steps to be followed:</p> <ol style="list-style-type: none"> 1. Stop the BRW800XA Data Provider 2. Double click on "Command Line" property and change the "-alivetimeout" parameter to a higher number for example "-alivetimeout 300". 3. Start the BRW800XA Data Provider.
<p>Grouping of grouped controls is not supported.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-002</p>	<p>No workaround exists.</p>
<p>RED Cross Mark does not appear after stopping OPCDA Instance.</p> <p style="text-align: right;">800xASMC-OL-5110-003</p>	<p>800xA Graphics will not show RED Cross, if the OPCDA data provider is stopped. Restart OPC Data provider.</p>
<p>OPC Subscription are automatically updating after COM Restart.</p> <p>If any Smart Client Workplace is opened with a display panel having OPC items and if the COM Data Provider in the Smart Client Server node is restarted then, the OPC items start updating even before connecting to the COM server.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-005</p>	<p>Close the Smart Client Workplace and open it again.</p>

Table 7. Operation Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
<p>Tag Ticker with a value in run mode and selected “Fit to View”, overlaps cannot be opened.</p> <p style="text-align: right;">800xASMC-OL-5110-007</p>	<p>No workaround exists.</p>
<p>Not possible to use Background color for “Tag Ticker”.</p> <p style="text-align: right;">800xASMC-OL-5110-008</p>	<p>No workaround exists.</p>
<p>Trend printout does not follow the print color template settings for all colors and background.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-034</p>	<p>Utilize the standard default color template.</p>
<p>Drag and Drop of Numeric Log into Microsoft Excel does not always format the timestamp column.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-041</p>	<p>Apply a format to the timestamp column or cells as a general excel formatting.</p>

Table 7. Operation Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
<p>Event List fails to show the events when query is done for specific object.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-014</p>	<p>This issue can be seen in following situations:</p> <ul style="list-style-type: none"> • When multiple data providers are connected to Smart Client Server. The workaround for this issue is to select appropriate Data Providers for the specific object using "Data Provider" drop-down list in the Event List Window. • When specific object category is not selected in default category list, Select <i>Configure Filter</i> from Event List. In the Category Name, Press CTRL+A to select all categories. Click Apply.
<p>Not all Event categories are selected by default. This may cause events of some categories not to be displayed.</p> <p style="text-align: right;">800xASMC-OL-5110-076</p>	<p>Manually select the required categories in the event control.</p>
<p>The Ranges, Engineering Unit, and Description are not presented correctly in Trend displays if the property referred in the trend is from a different object. For example: Trend display on object A referring to a property in object B.</p> <p style="text-align: right;">Important 800xASMC-OL-5110-075</p>	<p>No workaround exists.</p>
<p>Usage of Trend Display may leak GDI objects.</p> <p style="text-align: right;">800xASMC-OL-5110-096</p>	<p>No workaround exists.</p>

Table 7. Operation Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
Data Provider instances restart after PPA Node Maintenance Stop. 800xASMC-OL-5110-097	COM Service of the Smart Client Server should be restarted after the restart of the Data Provider Node.

Miscellaneous

Table 8 list the problems or issues known to exist with the current release that do not fit into one of the other categories. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 8. Miscellaneous Issues

Issue	Workarounds, Clarifications, and Helpful Hints
Documentation for controls of Smart Client Objects are not available. 800xASMC-MS-5110-002	Refer to <i>800xA Smart Client 2.2 Rev C, Technical Description Document (2PAA113325*)</i> for documentation for controls of Smart Client objects. Please contact support for additional details.
Windows built in compressed folder utility cannot be used to extract a zipped Panel. 800xASMC-MS-5110-005	The zipped panel and other files can not be opened using Windows built in compressed folder utility but WinZip must be used. Using compressed folder the archive may look empty.

Table 8. Miscellaneous Issues (Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
<p>Documentation error - Syntax for search in Property Browser is described incorrectly.</p> <p>800xASMC-MS-5110-006</p>	<p>In the Smart Client User Manual on page 44, <i>Searching for an object</i> section, first paragraph is about name and the rest is about description.</p> <p>Under the same section, second bullet, last paragraph the example provided is incorrect.</p> <p>No workaround exists.</p>
<p>Documentation error - How to configure the tooltip which should be presented for PG2 displays.</p> <p>800xASMC-MS-5110-007</p>	<p>To configure presentation of tooltip for objects in 800xA Displays do the following:</p> <ol style="list-style-type: none"> 1. In Plant Explorer navigate to the User object for the user that is 800xA Service Account 2. Open the Config View for the Graphics Profile Values PG2 aspect 3. Configure the TooltipFormatP user profile. <p>Possible values are:</p> <p>%ObjectName% = name of the object.</p> <p>%ObjectDescription% = object description.</p> <p>%ObjectPath% = full path of the object.</p> <p>\n = a line break</p>

Appendix A OPC Item Name Syntax Rules

This section specifies the valid OPC item naming syntaxes while manually updating the Smart Client control properties or troubleshooting OPC subscription.

Valid OPC item name syntaxes are defined below.

1. {Object ID}:{Aspect ID}:PropertyName,LogName
Example:
{DA6BFD30-E1D3-11d2-B126-080009DCF329}:{DA6BFD30-E1D3-11d2-B126-080009DCF329}:VALUE,Log1
This syntax is guaranteed to always uniquely identify an item.
2. {Object ID}:AspectName:PropertyName,LogName
Example:
{DA6BFD30-E1D3-11d2-B126-080009DCF329}:ControlConnection:VALUE,Log1
3. {Object ID}:PropertyName,LogName
Example:
{DA6BFD30-E1D3-11d2-B126-080009DCF329}:VALUE,Log2
4. {Object ID}Object Path:AspectName:PropertyName,LogName
Example:
{DA6BFD30-E1D3-11d2-B126-080009DCF329}Net1/BUS2/ST1/AC110_73_AIS3:Control Connection:VALUE,Log1
5. {Object ID}Object Path:PropertyName,LogName
Example:
{DA6BFD30-E1D3-11d2-B126-080009DCF329}Net1/BUS2/ST1/AC110_73_AIS3:VALUE,Log1
6. Object Path:AspectName:PropertyName,LogName
Example:

[Control Structure]Net1/BUS2/ST1/AC110_73_AIS3:Control
Connection:VALUE,Log1

7. Object Path:PropertyName,LogName

Example:

[Control Structure]Net1/BUS2/ST1/ AC110_73_AIS3:VALUE,Log1

Aspect name is optional and can be omitted but if not included only one aspect with the same name can be placed on one object.

Aspect name, property name and log name are not included in the path if the selected item is a structure or an object.

Appendix B Version Information

Table 9 provides a summary of version information.

Table 9. Version Information

	Smart Client 2.2	Smart Client 2.2 Rev A	Smart Client 2.2 Rev B	Smart Client 2.2 Rev B RU1	Smart Client 2.2 Rev C	Smart Client 2.2 Rev C RU1	Smart Client 2.2 Rev C RU2b
Third Party Software Acrobat Reader	9.3.2	9.3.2	9.3.2	9.3.2	9.3.2	9.3.2	9.3.2
800xA Process Graphic Interface, 800xA 5.0 SP2 Rev C	-	-	-	SV 5.0.0 SP2 NG RU2d TC10 800xA Base 5.0.0 SP2 RU3h TC28	SV 5.0.0 SP2 NG RU2d TC10 800xA Base 5.0.0 SP2 RU3h TC28	SV 5.0.0 SP2 NG RU2d TC10 800xA Base 5.0.0 SP2 RU3h TC28	SV 5.0.0 SP2 NG RU2d TC10 800xA Base 5.0.0 SP2 RU3h TC28
800xA Process Graphic Interface, 800xA 5.0 SP2 Rev D	-	-	-	SV 5.0.0 SP2 NG RU3e TC15 800xA Base 5.0.0 SP2 RU4i TC24	SV 5.0.0 SP2 NG RU3e TC15 800xA Base 5.0.0 SP2 RU4i TC24	SV 5.0.0 SP2 NG RU3e TC15 800xA Base 5.0.0 SP2 RU4i TC24	SV 5.0.0 SP2 NG RU3e TC15 800xA Base 5.0.0 SP2 RU4i TC24
800xA Process Graphic Interface, 800xA 5.0 SP2 Rev E	-	-	-	SV 5.0.0 SP2 NG RU4b TC3 800xA Base 5.0.0 SP2 RU5h TC4	SV 5.0.0 SP2 NG RU4b TC3 800xA Base 5.0.0 SP2 RU5h TC4	SV 5.0.0 SP2 NG RU4b TC3 800xA Base 5.0.0 SP2 RU5h TC4	SV 5.0.0 SP2 NG RU4b TC3 800xA Base 5.0.0 SP2 RU5h TC4

Table 9. Version Information (Continued)

	Smart Client 2.2	Smart Client 2.2 Rev A	Smart Client 2.2 Rev B	Smart Client 2.2 Rev B RU1	Smart Client 2.2 Rev C	Smart Client 2.2 Rev C RU1	Smart Client 2.2 Rev C RU2b
800xA Process Graphic Interface, 800xA 5.1 FP1	800xA Base 5.1.1 FP1 TC1	800xA Base 5.1.1 FP1 TC1	800xA Base 5.1.1 FP1 TC1 800xA Base S-FP 5.1.1-1 TC1 (for 64-bit)	800xA Base 5.1.1 FP1 TC1 800xA Base S-FP 5.1.1-1 TC1 (for 64-bit)	800xA Base 5.1.1 FP1 TC1 800xA Base S-FP 5.1.1-1 TC1 (for 64-bit)	800xA Base 5.1.1 FP1 TC1 800xA Base S-FP 5.1.1-1 TC1 (for 64-bit)	800xA Base 5.1.1 FP1 TC1 800xA Base S-FP 5.1.1-1 TC1 (for 64-bit)
800xA Process Graphic Interface, 800xA 5.1 Rev A	800xA Base 5.1.0 RU1k TC4	800xA Base 5.1.0 RU1k TC4	800xA Base 5.1.0 RU1k TC4 800xA Base S-FP 5.1.0-1 TC1 (for 64-bit)	800xA Base 5.1.0 RU1k TC4 800xA Base S-FP 5.1.0-1 TC1 (for 64-bit)	800xA Base 5.1.0 RU1k TC4 800xA Base S-FP 5.1.0-1 TC1 (for 64-bit)	800xA Base 5.1.0 RU1k TC4 800xA Base S-FP 5.1.0-1 TC1 (for 64-bit)	800xA Base 5.1.0 RU1k TC4 800xA Base S-FP 5.1.0-1 TC1 (for 64-bit)
800xA Smart Client	2.2.0.31	2.2.1.6	2.2.2.14	2.2.2.102	2.2.3.226	2.2.3.651	2.2.03200.779
800xA Smart Client, 800xA 5.0 SP2 Data Provider	2.2.0.31	2.2.1.6	2.2.2.14	-	-	-	-
800xA Smart Client Excel Interface	2.2.0.31	2.2.0.31	2.2.2.09	2.2.2102	2.2.3900	2.2.4005	2.2.03200
800xA Smart Client, Swedish NLS Package	2.2.0.31	2.2.1.2	2.2.1.2	2.2.1.2	2.2.3.1	2.2.3.1	2.2.3.1
Documentation, Installation Guide	2PAA10739 1-510	2PAA1073 91-510 B	2PAA107 391-510 D	2PAA107391- 510 D	2PAA10739 1-510 F	2PAA107391- 510 F	2PAA107391- 510 F

Table 9. Version Information (Continued)

	Smart Client 2.2	Smart Client 2.2 Rev A	Smart Client 2.2 Rev B	Smart Client 2.2 Rev B RU1	Smart Client 2.2 Rev C	Smart Client 2.2 Rev C RU1	Smart Client 2.2 Rev C RU2b
Documentation, User Guide	2PAA10688 6-510	2PAA10688 6-510 B	2PAA106886-510 D	2PAA106886-510 D	2PAA10688 6-510 E	2PAA106886-510 E	2PAA106886-510 E
Documentation, Excel Interface	2PAA10739 0-510	2PAA10739 90-510	2PAA107390-510	2PAA107390-510	2PAA10739 0-510 B	2PAA107390-510 B	2PAA107390-510 B
Release Notes	2PAA10831 2-510	2PAA10831 2-510 A	2PAA108312-510 B	2PAA111415-510	2PAA111310 0-510 B	2PAA114622-510 B	2PAA117087-510 B

Revision History

This section provides information on the revision history of these Release Notes.

The following table lists the revision history of this document.

Revision Index	Description	Date
-	Version Published for 2.2 Revision C Rollup 2	February 2017
A	Version Published for 2.2 Revision C Rollup 2	February 2017
B	Version Published for 2.2 Revision C Rollup 2b	August 2017

Updates in Revision Index A

The following table shows the updates made in this Release for 800xA Smart Client 2.2 Revision C Rollup 2.

Updated Section/Sub-section	Description of Update
Section 2 Fixed Problems	Updated a fixed problem in the section.

Updates in Revision Index B

The following table shows the updates made in this Release for 800xA Smart Client 2.2 Revision C Rollup 2b .

Updated Section/Sub-section	Description of Update
Section 2 Fixed Problems	Updated a fixed problem in the section.

Contact us

www.abb.com/800xA
www.abb.com/controlsystems

Copyright © 2005-2017 by ABB.
All rights reserved.

2PAA117087-510 B

