



System 800xA PC Interlock Viewer for AC800M Release Notes

System Version 5.1

NOTICE

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.

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.

TRADEMARKS

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

Copyright © 2015 ABB
All rights reserved.

Document number: 3BDA035401R5107EN_Release_Notes

Table of Contents:

1. Introduction	4
2. Functionality	5
3. Release Notes	5
3.1 Conditions, Restrictions and Remarks.....	5
3.2 Related Documents.....	6
4. Product support	6
4.1 Technical Support	6
4.2 How to obtain	6
4.3 Deliverables	6
4.4 New Features.....	7
4.5 Fixed Problems V5.1-1/7a.....	7
4.6 Fixed Problems V5.1-1/0.....	7
4.7 Fixed Problems V5.0-3SP1RevA.....	8
4.8 Fixed Problems V5.0-3SP1	8
4.9 Known Problems	9

1. Introduction

This document represents the Release Notes for PC Interlock Viewer for AC800M.

This document describes the functionality introduced for this product in this release. It also enumerates known problems encountered in the final testing of this product release and identifies workarounds that help overcome the problem. The document contains additional notes that may be valuable to the customers and service personnel working with the product. This document replaces the existing release notes for the prior release and is included on the product media.

Release Notes Safety Notices

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.

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.

TRADEMARKS

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

Copyright © 2015 ABB
All rights reserved.

Document number: 3BDA035401R5107EN_Release_Notes

2. Functionality

The PC Interlock Viewer for AC800M is a system extension for System 800xA. It is included into the PC Toolkit Library for AC800M as of V5.1-3 and can also be used as optional software package for any other AC800M library. It provides the capability to display interlocks as an additional aspect on predefined object types including upload configuration from the Control Builder M. User defined modules can also be included.

3. Release Notes

This table shows the relation between the 800xA Basis version and Interlock Viewer for AC800M software package. The PC Interlock Viewer for AC800M Version 5.1-1/8 has been released for delivery and plant operation.

800xA	Basic Software Packages
SV5.1 RevA/B/C/D and FP	ABB PC Interlock Viewer 5.1-1/8 (Build: 5.1.5554.29322)

Table 3-1: Software Release Versions

3.1 Conditions, Restrictions and Remarks

- All hardware and software requirements are listed in the user instructions System 800xA SV5.1 Manual Installation (3BSE034678) and System 800xA SV5.1 Automated Installation (3BSE034679).
- The PC Interlock Viewer can only be used for AC800M object types. The System Extension supports System 800xA V5.1RevA or higher.
- The System 800xA software must be installed prior to loading the Interlock Viewer for AC800M Setup.
- A new aspect called “Interlock Viewer” is now allocated to the faceplates. The old aspect “Interlock Display” needs to be deleted manually. Refer to user manual 3BDA035401 PC Interlock Viewer.
- Keep in mind that the high and low limits (H/L) of a control module are used to utilize the good range indication when High Performance Faceplates (HPHMI) are used. This applies for the object types PC_AI, PC_AICALC and PC_PIDx. On account on this the classic faceplate of a PC_AI with 6 limit switches shows 3 high and 3 low limits, whereas the faceplate with HPHMI style guide shows only 2 high and 2 low limits. The remaining pair of limits indicates the good range area (GH/GL). Maintenance people should be aware of this, otherwise they may go confused when comparing the control module configuration against the faceplate indication.

3.2 Related Documents

The following documents describe installation, configuration and operation with PC Toolkit Library for AC800M

Category	Document	Description
User Manual	3BDA035401R5105	PC Interlock Viewer

Table 3-2 Related Documentation

4. Product support

4.1 Technical Support

Contact ABB technical support at tech-support-system-solution@de.abb.com or your local ABB representative for assistance in problem reporting.

4.2 How to obtain

The PC AC800M Interlock Display is available as part of one of the following 800xA extensions:

- PC Toolkit Library for AC800M

Product Marketing/ TechSalesSupport and Order placement:
<mailto:tech-support-system-solution@de.abb.com>

License cost is outlined in the Price List
3BDA033517H_PriceBook_SystemSolutions

- OGP REUSE Solutions for AC800M

OGP REUSE Solutions are being distributed and licensed through the OGP REUSE Team oilandgasreuseorderbox@no.abb.com. For support contact servicedesk.abb@oilcamp.com.

4.3 Deliverables

CD-Rom or DVD Medium with PC Toolkit Library for AC800M or OGP REUSE Solutions for AC800M.

4.4 New Features

New features against PC Interlock Viewer 5.1-1/7

- Diagrams are supported
- Diagram types are supported
- Limited support of structured text. Statements like selections (if, case) and loops (for, while, repeat) and their inner code will completely be excluded from analyzing.
- If deep search finds modules that have faceplates then the object is surrounded by a frame and the faceplate of this object can be opened.
- It is now possible to define also single components of input ports of control modules. It is even possible to define more than one component of the same port as different interlocks.
- Data type handling extended
- Configuring of the module presentation optimized
- For some reason it may not be useful to analyze the contents of the internal logic of a module, especially since support for structured text was added. Now it is possible to exclude modules from analysing. The excluded modules are displayed as a single block.

4.5 Fixed Problems V5.1-1/7a

Description	Remarks
Error in documentation. "Height of header" is not including the buttons below. Please correct graphic. <i>ID: IV-DOC-014</i>	corrected

Table 4-1 Fixed problems

4.6 Fixed Problems V5.1-1/0

Description	Remarks
Change configuration storage to use of multiple configuration aspects <i>ID: ID-CONF-001</i>	corrected
Fully implementation new 5.1 CM parameter direction definition needed <i>ID: ID-GEN-002</i>	
CMD configuration upload are not correct <i>ID: ID-GEN-003</i>	
Operation view of interlock display has changed to PG2 technology (today based in Windows GDI and direct OPC access) <i>ID: ID-GEN-006</i>	

Description	Remarks
Convert uploader from VB6 to .NET <i>ID: ID-GEN-007</i>	
Deep search (display interlock logic up to the initial sensor and not only to the next module with faceplate) <i>ID: ID-GEN-008</i>	
Support of nested objects types <i>ID: ID-GEN-009</i>	
Support of the new Diagram type in CBM and FD <i>ID: ID-GEN-010</i>	
Description containing " will lead in error during CBM confi upload -> Upload aborted <i>ID: IV-GEN-013</i>	

Table 4-2 Fixed problems

4.7 Fixed Problems V5.0-3SP1RevA

Description	Remarks
Error in documentation. "Height of header" is not including the buttons below. Please correct graphic. <i>ID: IV-DOC-014</i>	corrected

Table 4-3 Fixed problems

4.8 Fixed Problems V5.0-3SP1

Description	Remarks
Error in documentation. "Height of header" is not including the buttons below. Please correct graphic. <i>ID: IV-DOC-014</i>	corrected

Table 4-4 Fixed problems

4.9 Known Problems

Some known issues are more important than others. Pay attention to the Workarounds, Clarifications and Helpful Hints provided, particularly for the issues that are marked Important.

ID	Description	Remarks
	When using Interlock Viewer in SV5.1RevD or SV5.1FP4 RevD the Interlock Viewer is not working	Install TC1 as indicated in Product Alert 3BSE078347 or install RU1 for SV5.1RevD / SV5.1FP4 RevD

Table 4-5 Known problems



3BDA035401R5107EN_Release_Notes

Germany 2015-05-28

Copyright © 2015 by ABB. All Rights Reserved

® Registered Trademark of ABB.

™ Trademark of ABB.

BU Oil, Gas and Petrochemical

Frankfurt, Germany

www.abb.com/Chemicals