System 800xA
PC Toolkit Library for AC800M V5.1-5
Release Notes

System Version 5.1
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1. Release Notes

1.1 General

Any security measures described in this document, for example, for user access, password security, network security, firewalls, virus protection, and so on, 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.

1.2 Introduction

This document describes the functionality changes and new functionalities introduced for the PC Toolkit Library for AC800M Version V5.1-5. 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.

2. Functionality

The PC Toolkit Library for AC800M is a system extension for System 800xA. It compiles a basic set and optional software packages. PC Toolkit Library for AC800M was developed specially for use in the markets Oil, Gas & Chemicals. To a greatest possible extent, Faceplates and Graphic Elements are harmonized with the object types of Freelance and Melody/AC870P.

Refer to section 3.2 Related Documents and separate Release Notes for Interlock Viewer and Effect Viewer.

The PC Toolkit Library for AC800M comprises

<table>
<thead>
<tr>
<th>Package</th>
<th>Description</th>
</tr>
</thead>
</table>
| Base    | · Preconfigured one- and two-screen Operator Workplace  
          · PC.Library with Control Module Types (CMT) based on the ABB Standard Library for the standard process function like motor, valve, counter, controller, etc.  
          · Graphic Elements and Faceplates for all CMT’s  
          · PC.ExtensionLib with Proflibus Modules for Simocode, UMC100, frequency converter, etc.  
          · Interlock Viewer (replaces Interlock Display)  
          · Free Graphic Elements showing mass data like radar diagram and profiling indication.  
          · PC Tools facilitates interoperability configuration through the automated generation during engineering. It includes Aspect link, Link Generator and SFC Step Text Uploader.  
          · Change Password Tool |

*Table 2-1 Contents of the Base software package*
Following optional software packages are available

<table>
<thead>
<tr>
<th>Packages</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP HMI Add On</td>
<td>Expands the capabilities of traditional Graphic Elements and Faceplates. It provides technologies to make operator workplace safe and efficient.</td>
</tr>
<tr>
<td>FD Add On</td>
<td>Set of ready-to-use Function Designer Typical including I/O assignment which meets the requirements for the market Oil, Gas &amp; Chemicals.</td>
</tr>
<tr>
<td>Batch Library</td>
<td>The PC Batch Library provides an Equipment Phase Interface module (EPI), with additional CMT’s and a faceplate. It provides the ability to connect 800xA Batch Management and controls SFC’s in compliance with ISA88. <strong>Note:</strong> When using 800xA Batch Management the EPI Phase Driver is required.</td>
</tr>
<tr>
<td>EPI Phase Driver</td>
<td>The EPI-Batch Module realizes the equipment module in the AC800M controller. It is the interface to connect different recipe packages 800xA Batch Management, Workflow Manager (WFM-BCM) in compliance with ISA88. It includes the Batch Equipment phase. It can also be used without recipe packages to drive SFCs, managing parameter and operator messages. <strong>Note:</strong> 1) Refer to Batch Report XL for a valuable optional package. 2) When using EPI Phase Driver the PC Batch Library is required.</td>
</tr>
</tbody>
</table>

### Table 2-2 Optional software package

3. Versioning

The PC Toolkit Library for AC800M Version 5.1-5 has been released for delivery and plant operation under System 800xA SV5.1 and following versions including Feature Packs. Refer to section 3.1 Conditions, Restrictions and Remarks.

<table>
<thead>
<tr>
<th>PC Toolkit Library for AC800M Software Packages</th>
<th>Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABB PC Graphic Object Types 5.1-4 (Build: 5.1.4.0)</td>
<td>base</td>
</tr>
<tr>
<td>ABB PC Interlock Viewer 5.1-1/9 (Build: 5.1.9.2)</td>
<td>base*1</td>
</tr>
<tr>
<td>ABB PC Tools 5.1-2 (Build: 5.1.2.0)</td>
<td>base</td>
</tr>
<tr>
<td>ABB PC Workplace 5.1-4 (Build: 5.1.4.0)</td>
<td>base</td>
</tr>
<tr>
<td>ABB PC Library for AC800M 2.1-4 (Build: 2.1.4.1)</td>
<td>base</td>
</tr>
<tr>
<td>ABB PC Library for AC800M 2.1-4 HP-HMI Add On (Build: 2.1.4.1)</td>
<td>base</td>
</tr>
<tr>
<td>ABB PC Library for AC800M 2.1-4 FD Add On (Build: 2.1.4.0)</td>
<td>base</td>
</tr>
<tr>
<td>ABB PC AC800M Batch Library 5.1-2 (Build: 5.1.2.4)</td>
<td>optional</td>
</tr>
<tr>
<td>ABB PC AC800M Batch Library 5.1-2 HP-HMI Add On (Build: 5.1.2.6)</td>
<td>optional</td>
</tr>
<tr>
<td>ABB PC AC800M Batch Library 5.1-2 FD Add On (Build: 5.1.2.0)</td>
<td>optional</td>
</tr>
<tr>
<td>ABB PC AC800M EPI Phase Driver 5.1-10 (Build: 5.1.10.0)</td>
<td>optional</td>
</tr>
<tr>
<td>ABB PC Toolkit Library for AC800M 2.1-2 Typicals (Build: 2.01.0200)</td>
<td>optional</td>
</tr>
<tr>
<td>ABB PC Effect Viewer 5.1-2 (Build: 5.1.2.0)</td>
<td>optional *1</td>
</tr>
<tr>
<td>ABB PC Effect Viewer PC Extensions 5.1-2 (Build: 5.1.2.0)</td>
<td>optional *1</td>
</tr>
</tbody>
</table>

### Table 3-1 Released software packages

*1 The PC Interlock Viewer and PC Effect Viewer can be used in other libraries than PC_Lib. In this case the PC Interlock Viewer can be ordered as a separate software package. Refer to Price List Oil, Gas & Chemicals Germany 3BDA033517.
3.1 Conditions, Restrictions and Remarks

- The minimum requirement for the PC Toolkit Library V5.1-5 is System 800xA SV5.1RevA.
- If PC Batch Library or PC EPI Phase Driver is used, use 800xA V5.1SP4 RevD as the smallest version.
- PC Toolkit Library for AC800M requires the Graphic Editor PG2
- Graphic displays that were created under Visual Basic Graphic Editor are not supported anymore. A migration tool is available and part of the 800xA base product.
- The 800xA standard color table has been customized in order to meet requirements of the process industries Oil, Gas and Chemicals for graphic displays.
- The optional software package ABB PC Toolkit Library for AC800M 2.1-2 Typicals (Build: 2.01.0200) was functionally not adapted to the new library features in V6.0-0.
- The Interlock Display was replaced by the Interlock Viewer. This requires that the link from the Faceplates to the Interlock window must be updated. Refer to update procedure in document 3BDA035322-510_Installation & Configuration. If required both versions can exist at the same time.
- If a control module (CM) of the PC_Lib is used inside another CM's, then the name of this PC_lib CM instance must be declared (if not already done) before a new download (PC_Lib name parameters have empty initial values). This applies only when the control module type is created by means of the CBM. It does not apply for control module types created with FD.
- If the PC Toolkit Library is being updated from V5.1-2 or older versions, then the consistency check might generate an error "Embedded instance 'SignalInRealM' is obsolete, no longer included in object type." Use the repair option of the consistency check tool to fix.

3.2 Related Documents

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Notes</td>
<td>3BDA035388-510</td>
<td>PC Interlock Viewer</td>
</tr>
<tr>
<td></td>
<td>3BDA035389-510</td>
<td>PC Effect Viewer</td>
</tr>
<tr>
<td></td>
<td>3BDA033923-510</td>
<td>EPI-Batch Phase Driver</td>
</tr>
<tr>
<td>Operation</td>
<td>3BDA035321-510</td>
<td>Manual for Operators</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Handbuch für Bediener in deutsch</td>
</tr>
<tr>
<td>Installation &amp; Configuration</td>
<td>3BDA035322-510</td>
<td>PC Toolkit Library for AC800M</td>
</tr>
<tr>
<td>Category</td>
<td>Document</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>----------</td>
<td>-------------</td>
</tr>
<tr>
<td>Manual</td>
<td>3BDA035330-510_CM</td>
<td><strong>Control Modules details for:</strong>&lt;br&gt;PC_Analog (PC_AI, PC_AICALC, PC_AO)&lt;br&gt;PC_Dosing&lt;br&gt;PC_Open_Loop_Control&lt;br&gt;PC_Flags&lt;br&gt;PC_Closed_Loop_Control&lt;br&gt;PC_PulsePause&lt;br&gt;PC_Binary (PC_DI)&lt;br&gt;PC_Totalizer&lt;br&gt;PC_Auxiliary CMT’s and FB’s&lt;br&gt;ProMbus_ACS800&lt;br&gt;ProMbus_SIMO_PRO_V&lt;br&gt;ProMbus_UCS100</td>
</tr>
<tr>
<td></td>
<td>3BDA035330-510_HMI ... 3BDA035354-510_HMI</td>
<td>Faceplate and Graphic Elements of the different Object Types. Please note, that the elements for Classic and HPHMI style have been separated.</td>
</tr>
<tr>
<td></td>
<td>3BDA035329-510</td>
<td>Free Graphic Elements</td>
</tr>
<tr>
<td></td>
<td>3BDA033478-510</td>
<td>Graphic Property Configuration</td>
</tr>
<tr>
<td></td>
<td>3BDA035401R5106</td>
<td>Interlock Viewer</td>
</tr>
<tr>
<td></td>
<td>3BDA035403R5103</td>
<td>Effect Viewer</td>
</tr>
<tr>
<td></td>
<td>3BDA035360R51xx_FD</td>
<td><strong>FD-Templates for:</strong>&lt;br&gt;PC_AI_1_FD, PCAO_1_FD, PCBI_1_FD, PCBO_1_FD, PCBO_2_FD, PCCNT_1_FD, PCCNT_2_FD, PCCNT_3_FD, PCCTRL_1_FD, PCCTRL_2_FD, PCCTRL_3_FD, PCCTRL_4_FD, PCDOS_1_FD, PCHVFC_1_FD, PCHVFC_2_FD, PCHVFO_1_FD, PCMOT_1_FD, PCMOT_2_FD, PCMOT_3_FD, PCMOT_4_FD, PCSFC_1_FD, PCSFC_2_FD</td>
</tr>
<tr>
<td></td>
<td>3BDA033920-510</td>
<td>PC_EPI-Batch Module</td>
</tr>
<tr>
<td></td>
<td>3BDA033919-510</td>
<td>PC_EPI-Batch Phase Driver</td>
</tr>
</tbody>
</table>

Table 3-2 Related Documentation
4. Product support

4.1 New Features – Improvements

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC_Ai was enhanced regarding signal handling</td>
<td></td>
</tr>
<tr>
<td>- Alarm message and alarm generation are now subject of the same criteria.</td>
<td>New and enhanced against earlier module</td>
</tr>
<tr>
<td>Output activation on range limits</td>
<td></td>
</tr>
<tr>
<td>- Signal status handling on over-/under-flow, line break, substitute value</td>
<td></td>
</tr>
<tr>
<td>harmonized and accordingly documented</td>
<td></td>
</tr>
<tr>
<td>- The status information of the Input (HW) was not forwarded to the</td>
<td></td>
</tr>
<tr>
<td>Output (Control Connection)</td>
<td></td>
</tr>
<tr>
<td>- Changing of the input range does not require a cold download anymore.</td>
<td></td>
</tr>
<tr>
<td>- possibility to set all limits in case of input error in InteractionPar</td>
<td></td>
</tr>
<tr>
<td>(without alarming of the limits)</td>
<td></td>
</tr>
<tr>
<td>- Over- and Under range of the output can now be enabled</td>
<td></td>
</tr>
</tbody>
</table>

**Table -1 New Features**

4.2 Fixed Problems in V5.1-3

4.2.1 Faceplates and graphics issues

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPHMI bar graphs: Limit colors for all limits are now retrieved automatically by configured priority</td>
<td>fixed</td>
</tr>
<tr>
<td>Alarm Indication Graphic Element: The Font size is now configurable as input property.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-070</td>
<td></td>
</tr>
<tr>
<td>Large real values and min/max indicators for bar graphs are now displayed in exponent format</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-098</td>
<td></td>
</tr>
<tr>
<td>PC_FlagBool[Ext] - No force indication in FP when out is forced</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-104</td>
<td></td>
</tr>
<tr>
<td>PC_FlagTime - “ms” was not shown in GE and FP but possible to define</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-106</td>
<td></td>
</tr>
<tr>
<td>PC_Drive - When Ilock0 &amp;&amp; StatDeact</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-FP-107</td>
<td></td>
</tr>
<tr>
<td>PC_Drive - When alarms were disabled, they appeared in the alarm list (even the inactive ones). This led to visibility of the status indication in FP and GE</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-108</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Remarks</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>RatioCC - OP Note indication was not shown when OP Note had data.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-116</td>
<td></td>
</tr>
<tr>
<td>RatioCC - Unit for actual ratio and ration was not indicated</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-117</td>
<td></td>
</tr>
<tr>
<td>RatioCC - Fraction was not indicated in the Faceplate</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-118</td>
<td></td>
</tr>
<tr>
<td>SplitRangeCC - Disable state from the outputs was not indicated</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-120</td>
<td></td>
</tr>
<tr>
<td>PC_PID – Set point ramping is now deactivated in manual mode.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-125</td>
<td></td>
</tr>
<tr>
<td>PC_Motor, PC_Valve - HPHMI: In order to show identical icons on FP's and GE's, new aspects were introduced. PC_HMI_MotorSettings allows adapting the icon type of Motors by means of integer values. Same applies to Valve with aspect PC_HMI_ValveUniSettings.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-145</td>
<td></td>
</tr>
<tr>
<td>Package installation: The installation routine is now guiding the user to load SFC Viewer package before the PC_Workplace package.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-WP-171</td>
<td></td>
</tr>
<tr>
<td>SignalInBoolM: The GE siginbool_HPHMI_ Text</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-GE-181</td>
<td></td>
</tr>
<tr>
<td>HPHMI Graphic Elements in with Interlock icon: A new icon for Interlock was introduced which replaces the old Interlock status symbol. The old indication can be disabled with property ShowInterlock. Default setting is True.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-189</td>
<td></td>
</tr>
<tr>
<td>PC_PID: PV value is not indicated in the FP trend (classic only)</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-190</td>
<td></td>
</tr>
<tr>
<td>PC_PID, PC_PIDMASTER: Set/reset checkboxes takes no effect in the FP trend (classic only)</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-191</td>
<td></td>
</tr>
<tr>
<td>Indication on input failures between PC_AI and PC_PID/PIDMASTER harmonized (yellow background).</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-192</td>
<td></td>
</tr>
<tr>
<td>The MAX / MIN indication of controller output reached (yellow symbol) did appear when limit output was deactivated.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-193</td>
<td></td>
</tr>
<tr>
<td>Level LL was not displayed in a HPHMI faceplate</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-195</td>
<td></td>
</tr>
<tr>
<td>After the default installation routine the new aspect categories are not part of the Faceplate Link Creator settings.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-196</td>
<td></td>
</tr>
<tr>
<td>PC_MotorBiM, PC_MotorUniM: The expression of EnableReset cannot be modified.</td>
<td>Refer to note in HMI documents</td>
</tr>
<tr>
<td>ID: ACM-GE-197</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Remarks</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Interlock Indication:</td>
<td>fixed</td>
</tr>
<tr>
<td>The appearance of the interlock indication harmonized between object types.</td>
<td></td>
</tr>
<tr>
<td>Letter “R” added for ready to reset.</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-FP-199</td>
<td></td>
</tr>
<tr>
<td>PC_ValveBiM: When Locking0/1/2 was active and changes to inactive the</td>
<td>fixed</td>
</tr>
<tr>
<td>operator cannot reset the lock. At this moment the motor was</td>
<td></td>
</tr>
<tr>
<td>inoperable from the faceplate.</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-FP-200</td>
<td></td>
</tr>
<tr>
<td>PC_PID, PC_PIDMASTER:</td>
<td>fixed</td>
</tr>
<tr>
<td>When TrackMan/TrackAuto/TrackOld is active the button to switch over to</td>
<td></td>
</tr>
<tr>
<td>manual mode was not disabled.</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-FP-201</td>
<td></td>
</tr>
<tr>
<td>Trend Graphic Elements:</td>
<td>fixed</td>
</tr>
<tr>
<td>It is now possible to configure the limits as visible or invisible.</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-GE-202</td>
<td></td>
</tr>
<tr>
<td>SFC Faceplate: Display of Max- and Min-Time was not adjusted to the</td>
<td>fixed</td>
</tr>
<tr>
<td>current value (field in FP is to small).</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-GE-203</td>
<td></td>
</tr>
<tr>
<td>PC_Alarm_Event: if AEConfig was set to 4 (Level) an parameter error</td>
<td>fixed</td>
</tr>
<tr>
<td>occurred</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-GE-206</td>
<td></td>
</tr>
<tr>
<td>PC_Drive: MotorValueAlarm showed unit &quot;%&quot;</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-207</td>
<td></td>
</tr>
<tr>
<td>PC_PIDMASTER: Edit and common tab was not always visible when user</td>
<td>fixed</td>
</tr>
<tr>
<td>hasn’t had application engineer role</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-GE-208</td>
<td></td>
</tr>
<tr>
<td>PC_FlagBool, PC_FlagBoolExt:</td>
<td>fixed</td>
</tr>
<tr>
<td>When CM parameter UsePulse value is changed from 1 to 0 and Pulse Out in</td>
<td></td>
</tr>
<tr>
<td>FP is set to true, puls was still active.</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-GE-209</td>
<td></td>
</tr>
<tr>
<td>PC_Totalizer: Unit string was not set on OutRealIO</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-210</td>
<td></td>
</tr>
<tr>
<td>PC_Dosing: Description of InteractionPar.PredosingMode was wrong</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-GE-211</td>
<td></td>
</tr>
<tr>
<td>PC_AI, PC_PID/PIDMASTER:</td>
<td>fixed</td>
</tr>
<tr>
<td>It was not possible to set the hysteresis for the limits less than the</td>
<td></td>
</tr>
<tr>
<td>lower measuring range value.</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-GE-212</td>
<td></td>
</tr>
<tr>
<td>HPHMI numeric graphic elements have had an input property &quot;alarm</td>
<td>The property is now deleted.</td>
</tr>
<tr>
<td>frame width&quot; which had no effect.</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-GE-213</td>
<td></td>
</tr>
<tr>
<td>CM PC_DI_Out: Inhibit did not work correctly if parameter voteout.backward.</td>
<td>fixed</td>
</tr>
<tr>
<td>connected was not set.</td>
<td></td>
</tr>
<tr>
<td>ID: ACM-GE-214</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Remarks</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>The HPHMI SignalInBoolM Graphic Element has a configurable color for bad state. It is now possible to configure and show the highest alarm state color of the tag.</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-GE-237</td>
<td></td>
</tr>
<tr>
<td>PC_Dosing: Stop CountingDelay was not changeable in the faceplate</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-GE-241</td>
<td></td>
</tr>
<tr>
<td>PC_MotorBIM: (HPHMI+Classic) It was not possible to have the FB0 trend visible after hiding it.</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-GE-242</td>
<td></td>
</tr>
<tr>
<td>PC_PID, PC_PIDMASTER: Deviation limit values are not indicated correctly in case of AEConfig = 4 (values are indicated as disabled)</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-GE-243</td>
<td></td>
</tr>
<tr>
<td>PC_Dosing: Setpoint is now changeable with the bar graph slider in automode</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-GE-244</td>
<td></td>
</tr>
<tr>
<td>PC_Dosing: When the coarse or fine valve was manually opened by using the faceplate buttons (not O/I) and the mode was switched over to automatic the valves did not close with AutoCmd0 or when the set point value was reached)</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-GE-245</td>
<td></td>
</tr>
<tr>
<td>PC_Drive: A new parameter External ModelInit is available to switch the external SP on an initial controller load.</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-FP-246</td>
<td></td>
</tr>
<tr>
<td>PC_PID, PC_PIDMASTER: With parameter AllowManModeInTrack of aspect PC_HMI_PIDSettings it is now possibility to change to manual mode if track is active</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-FP-248</td>
<td></td>
</tr>
<tr>
<td>PC_AI: INC/DEC The limit violation is now calculated based on Out.Forward.Value. The input signal error and filter handling is now included.</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-FP-249</td>
<td></td>
</tr>
<tr>
<td>PC_PID, PC_PIDMASTER: Unit and Range of the Offset is now used from the Out signal</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-FP-250</td>
<td></td>
</tr>
<tr>
<td>PC_FlagBoolExt: When track to false becomes inactive while PC_FlagBoolExt is in manual mode and the output was in state true before, the Flag went back to true state again.</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-FP-251</td>
<td></td>
</tr>
<tr>
<td>PC_FlagBoolExt: Visibility of configuration for Pulsed Output depends on UsePulse parameter. If this parameter is set before first download then Pulse Out is automatically set to true. If later the parameter is set to true then Pulse Out becomes by default off.</td>
<td>fixed</td>
</tr>
<tr>
<td><strong>ID:</strong> ACM-FP-252</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Remarks</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>PC_Totalizer: When Totalizer is configured with Periodic Reset the default period time is 0s. Once the counter is set to periodic time it is not possible to reset the counter any longer.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-253</td>
<td></td>
</tr>
<tr>
<td>PC_PID, PC_PIDMASTER: Trend tab is now indicating the Out.Forward. Value instead of IP.OutManValue)</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-254</td>
<td></td>
</tr>
<tr>
<td>PC Numeric Value Type ValuePosition was limited from 30 to 85.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-256</td>
<td></td>
</tr>
<tr>
<td>PC_FlagBoolExt: When module is in Track all buttons in the Faceplate (Classic &amp; HPHMI) are now disabled</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-257</td>
<td></td>
</tr>
<tr>
<td>PC_FlagBoolExt: When module is in Track it is now possible to change the mode with inputs AutoIn and ManIn</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-258</td>
<td></td>
</tr>
<tr>
<td>PC_FlagBoolExt: The icons position in the indication area is now synchronized to Motor and Valve</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-259</td>
<td></td>
</tr>
<tr>
<td>All Faceplate are now prepared to be compatible with Interlock Viewer. Refer to update procedure.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-264</td>
<td></td>
</tr>
<tr>
<td>All delivered PC_Libraries were checked against consistency errors. They should not appear again.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-LIB-265</td>
<td></td>
</tr>
</tbody>
</table>

*Table -2 Fixed Issues on faceplate and graphic in V5.1-3*

### 4.2.2 PC_Library (Control Modules and Typicals)

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC_Dosing - Status Alarm has no Message</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-103</td>
<td></td>
</tr>
<tr>
<td>PC_ValveBiM - If Priority CmdMan=True and OperationCond or Locking signal becomes TRUE and Inhibit all incoming conditions is active then Valve switches to manual mode.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-110</td>
<td></td>
</tr>
<tr>
<td>PC_MotorBiM – there was no alarm for bad signal of FB2.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-113</td>
<td></td>
</tr>
<tr>
<td>PC_Totalizer, PC_Dosing - If AEConfig=0 alarm output was set</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-115</td>
<td></td>
</tr>
<tr>
<td>PC_PID - Output value seemed to be frozen in case of an error</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-124</td>
<td></td>
</tr>
<tr>
<td>SplitRangeCC - On bad IN signal, no alarm was generated</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-119</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Remarks</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>PC_PID - Signal SetInternal was ignored. It was immediately set back to false.</td>
<td>fixed</td>
</tr>
<tr>
<td>PC_PID – Visibility of the Output Change rate depends now on the parameters OutRampIncEn, OutRampDecEn and EnableOutSpeedLim.</td>
<td>fixed</td>
</tr>
<tr>
<td>Parameter publishing of typicals has been corrected</td>
<td>fixed</td>
</tr>
<tr>
<td>PC_PID, PC_PIDMASTER: SetInternal was true when external SP and SP.Status was bad.</td>
<td>fixed</td>
</tr>
<tr>
<td>PC_PID, PC_PIDMASTER: Tab Active was missing in HPHMI faceplate</td>
<td>fixed</td>
</tr>
<tr>
<td>PC_StatusMessages: Event list (&quot;</td>
<td></td>
</tr>
<tr>
<td>PC_AlarmEvent: On AEConfig =2; both messages were the same without any difference in indication.</td>
<td>fixed</td>
</tr>
<tr>
<td>PC_PID: Output limit values are now changeable.</td>
<td>fixed</td>
</tr>
<tr>
<td>PC_PID: Enabling tolerance band with parameters EnableDevPos and EnableDevNeg in FD did not work</td>
<td>fixed</td>
</tr>
<tr>
<td>PC_FlagBool: Faceplate did not show the indication for Operator Notes.</td>
<td>fixed</td>
</tr>
<tr>
<td>Radar Graphic Elements: If the value was less than the min range the red bar was shown outside the element.</td>
<td>fixed</td>
</tr>
<tr>
<td>The HPHMI SignalInBoolM Faceplate was behaving differently to the Classic Faceplate. Bad status indication of the Classic Faceplate (no matter if the input was inverted or not) was always at the top. In HPHMI style the logical 1 was shown at the top and logical 0 at the bottom of the faceplate.</td>
<td>fixed</td>
</tr>
<tr>
<td>The manuals for control modules show references to the used library.</td>
<td>fixed</td>
</tr>
</tbody>
</table>

Table -3 Fixed Issues Control Modules and Typicals in V5.1-3
4.2.3 PC_Batch Library (EPI-Batch Module)

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>An SFC in manual mode does not accept an operation requested from EPI. A message is not generated.</td>
<td>ID: EPI-CM-008 New InteractionPar parameter AllowSFCManMode introduced. If not set the connected SFC’s are forced in automatic mode.</td>
</tr>
</tbody>
</table>

Table 4-4 Fixed Problems on EPI in V5.1-3

4.3 Fixed Problems in V5.1-4

4.3.1 Faceplates and graphical issues

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Classic GE: After upgrading 800xA to 5.1 FP4 RevD (or 5.1 RevD) graphics become inoperable if in one or more GE’s the property StatusIndWidth is set to 0</td>
<td>fixed ID: ACM-GE-226, ACM-FP-342</td>
</tr>
<tr>
<td>PC_ValveBiM: When the valve is opened and gets a command to stop, it is not indicated on faceplate that the valve is stopping.</td>
<td>fixed ID: ACM-FP-227</td>
</tr>
<tr>
<td>PC_ValveUniM+BIM, Valence supervision is not documented in CMT documentation</td>
<td>fixed ID: ACM-FP-270</td>
</tr>
<tr>
<td>PC_FlagBool Classic Faceplate: indication for Operator Note is shown on wrong position</td>
<td>fixed ID: ACM-FP-278</td>
</tr>
<tr>
<td>PC_ValveBiM: feedback parameter (FBConfig = 4) brings object error when the command 1 or 2 has been activated (in manual or auto mode).</td>
<td>fixed ID: ACM-FP-284</td>
</tr>
<tr>
<td>SFC2DHeader: Indication of OperatorNote HoldsData is missing in PC Faceplate (Standard+HPHMI)</td>
<td>fixed ID: ACM-FP-286</td>
</tr>
<tr>
<td>PC_Motor…/PC_Drive: GroupStartMode is not indicated in the Faceplate when active</td>
<td>fixed ID: ACM-FP-288</td>
</tr>
<tr>
<td>PC_Dosing: If parameter SetAuto or SetMan is true, the faceplate button to switch over to manual mode is not disabled.</td>
<td>fixed ID: ACM-FP-293</td>
</tr>
<tr>
<td>PC_PID/PC_PIDMaster: Depending on the chosen type of controller P, PI, PD, PID the field “Derivation filter time” the eligibility is not displayed correctly.</td>
<td>fixed ID: ACM-FP-299, 304</td>
</tr>
<tr>
<td>Sometimes the alarm/event lists are not sorted properly. Alarm list is sorted by active time but displayed column is event time</td>
<td>fixed</td>
</tr>
</tbody>
</table>
**Release Notes**

**Table 4-5 Fixed Issues on faceplate and graphic in V5.1-4**

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PC_PIDMASTER</strong>: Some OUT graphic elements indicate <code>PidCCPar.Faceplate.OutManValue</code>, instead of <code>Out.Forward.Value</code></td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-305</td>
<td></td>
</tr>
<tr>
<td><strong>PC_Drive</strong>: In track mode the SP input is still editable, but has no influence</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-329</td>
<td></td>
</tr>
<tr>
<td><strong>PC_PID+PC_PIDMASTER, PC_Drive</strong>: Switchover to external setpoint is possible, even if <code>SP.Forward.Status</code> is bad and <code>IntOnBadSP</code> is set</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-343</td>
<td></td>
</tr>
<tr>
<td><strong>PC_Drive</strong>: 'On' button shall not be enabled in case of ObjError.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-FP-346</td>
<td></td>
</tr>
</tbody>
</table>

4.3.2 **PC.Library (Control Modules and Typicals)**

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Some PC_Lib Control Modules have a Name Parameter input with 25 characters string limit and some 30.</td>
<td>Name parameters have 30 characters now</td>
</tr>
<tr>
<td>ID: ACM-CM-273</td>
<td></td>
</tr>
<tr>
<td>Some PC_Lib Control Modules don't have a Description Parameter.</td>
<td>Control Modules which have name parameter have also description parameter now</td>
</tr>
<tr>
<td>ID: ACM-CM-274, 308</td>
<td></td>
</tr>
<tr>
<td><strong>PC_Dosing</strong>: Description of parameter <code>CondNameL</code> says &quot;HH alarm&quot; instead of &quot;L alarm&quot;</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-289</td>
<td></td>
</tr>
<tr>
<td><strong>PC_AI</strong>: Description of parameter <code>INCAct</code> says &quot;INV active&quot; Instead of &quot;INC active&quot;</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-290</td>
<td></td>
</tr>
<tr>
<td>Data Type PC_ValveUniMPar. Description of &quot;SetAuto&quot; is not correct</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-291</td>
<td></td>
</tr>
<tr>
<td><strong>PC_Dosing</strong>: Description of parameters <code>PriorityCmd0</code> and <code>OperationCond0</code> does not describe the parameter functionality</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-292</td>
<td></td>
</tr>
<tr>
<td>Motors, Valves, Drive: The behavior of feedbacks and common outputs does not work correctly in &quot;TestMode&quot;. If TestMode is set, it should be indicated in faceplate, command outputs must not be set any longer and feedbacks should be simulated.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-295</td>
<td></td>
</tr>
<tr>
<td>Motors, Valves, Drive: behavior of parameters <code>KeepModeAtError</code> and <code>KeepOutAtError</code> do not work correctly</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-296, ACM-CM-287</td>
<td></td>
</tr>
<tr>
<td><strong>PC_Dosing</strong>: Data Type PC_Dosing_Par - description of parameter <code>ErrorMode</code> says &quot;Behavior of Out...&quot; instead of &quot;Behavior of Input...&quot;</td>
<td>fixed</td>
</tr>
<tr>
<td>Description</td>
<td>Remarks</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>PC_ExtensionLib Control Modules have still &quot;unspecified&quot; parameter direction and because of that cannot be used in Diagrams in combination with other modules which have a defined parameter direction.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-302</td>
<td></td>
</tr>
<tr>
<td>PC_ValveMan: AlState output has always the value -710. This error code means SourceName and ConditionName not unique.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-307</td>
<td></td>
</tr>
<tr>
<td>PC_AI: Limits generate no alarm on error when error mode is set to predetermined value.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-309</td>
<td></td>
</tr>
<tr>
<td>PC_AI: Inc/Dec limits are also active when InteractionPar.LevelInc/LevelDec = 0. This leads to an alarm (if alarm is enabled) on each input value change.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-310</td>
<td></td>
</tr>
<tr>
<td>The names of the blind objects generate errors after a cold download, needed due to hardware changes. After this, the name uploader gave errors on this with the explanation: “ignored empty name properties for....”</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-315</td>
<td></td>
</tr>
<tr>
<td>PC_Totalizer: The counter is not working correctly when switching from analog input value to binary mode. On switch to binary count mode the last OutRealIO value is kept, instead of calculate on InBool value</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-316</td>
<td></td>
</tr>
<tr>
<td>PC_PID/PC_PIDMASTER: Modified Controller parameter (TN, KP, TI) become active immediately at value input.</td>
<td>The values become active only after an Apply.</td>
</tr>
<tr>
<td>ID: ACM-CM-319</td>
<td></td>
</tr>
<tr>
<td>PC_TOALIZER: Mode switch from logic is not valid configured. Currently only via InteractionPar possible, but no lock of the mode buttons if set by logic</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-320</td>
<td></td>
</tr>
<tr>
<td>PC_TOALIZER: Override value in HHHwlnh, HHwlnh and Hwlnh is only set by set from faceplate, CM inputs InhGTHHHAct and so on are ignored</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-321</td>
<td></td>
</tr>
<tr>
<td>PC_Drive: Alarm or Object error is missing on bad FBSpeed value</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-323</td>
<td></td>
</tr>
<tr>
<td>Valve/Motor/Drive: After deleting and reloading an application, the InteractionPar.Enable ObjErr is set by GroupStart variable again</td>
<td>Value is now persistent after action</td>
</tr>
<tr>
<td>ID: ACM-CM-324</td>
<td></td>
</tr>
<tr>
<td>PC_Drive: SPManValue (means DriveSP) is reset on delete/reload of the application</td>
<td>Value is now persistent after action</td>
</tr>
<tr>
<td>ID: ACM-CM-325</td>
<td></td>
</tr>
<tr>
<td>PC_Drive: Output ExternalMode is not set</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-328</td>
<td></td>
</tr>
</tbody>
</table>
### Description

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC_Drive: Switchover to external mode is possible even if the external set point is bad or unconnected</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-333</td>
<td></td>
</tr>
<tr>
<td>PC_PID/PC_PIDMASTER: Switchover to external mode by SetExt is possible even if the external set point is unconnected</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-334</td>
<td></td>
</tr>
<tr>
<td>PC_Drive, PC_Motor,…: Operation of the module in object test mode is not possible if Failure, WindTemp or Maintenance is set.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-335</td>
<td></td>
</tr>
<tr>
<td>PC_PID/PC_PIDMASTER: Indication of controller settings (Tab Active) may be incorrect or empty after warm start or change of settings</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-339</td>
<td></td>
</tr>
<tr>
<td>PC_Drive: At SP connected PC_PIDMASTER will not set to backtracking if Drive is not started</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-341</td>
<td></td>
</tr>
<tr>
<td>PC_AI, PC_PID, PC_PIDMASTER: Limit alarms are created exact on limit value, but outputs are set on value &lt; limit (for low limits) or set on value &gt; limit (for high limits)</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-348</td>
<td></td>
</tr>
</tbody>
</table>

### 4.3.3 PC_Batch_Library (EPI-Batch Module)

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Values on EPI faceplate tab “Report values” show red question marks for some seconds.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: EPI-FP-016, EPI-CM-017</td>
<td></td>
</tr>
<tr>
<td>Operation mode handling between EPI und SFC not working correctly.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: EPI-CM-008, EPI-CM-015</td>
<td></td>
</tr>
<tr>
<td>&quot;Main View&quot; was translated to &quot;Hauptsicht&quot; in German Language Package FP4. This results in late bindings problems of the faceplate.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: EPI-CM-018</td>
<td></td>
</tr>
<tr>
<td>Aspect Key information in the Control Module Type PC-EquipmPhaselnf is lost after PC Toolkit Library update</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: EPI-CM-019</td>
<td></td>
</tr>
<tr>
<td>EPI-Faceplate: Parameter write handing not correct.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: EPI-CM-036</td>
<td></td>
</tr>
<tr>
<td>EPI-Faceplate. The full SFC-name is not shown</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: EPI-CM-037</td>
<td></td>
</tr>
</tbody>
</table>

Table 4-6 Fixed Problems on EPI-Batch Module
## 4.4 Fixed Problems in V5.1-5

### 4.4.1 Faceplates and graphical issues

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option &quot;ShowTrackAsIL&quot; for classic faceplates (PC_PID, PC_PIDMASTER, PC_FlagBoolExt, PC_FlagRealExt) implement. With an additional setting it is possible to change track indication to interlock indication (in classic style X). Functionality in HPHMI faceplates is already implemented.</td>
<td>improvement</td>
</tr>
<tr>
<td>ID: ACM-CM-255</td>
<td></td>
</tr>
<tr>
<td>Status Indication for Alarm Inhibited is now a yellow cross on grey background.</td>
<td>improvement</td>
</tr>
<tr>
<td>ID: ACM-CM-268</td>
<td></td>
</tr>
<tr>
<td>PC_SplitRangeCC: Correction in In.Backward components</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-268, ACM-CM-354</td>
<td></td>
</tr>
<tr>
<td>PC_Drive: SP.Backward.Range parameters were not set properly</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-349</td>
<td></td>
</tr>
<tr>
<td>PC_DI: Alarm delay did not delay the output</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-350</td>
<td></td>
</tr>
<tr>
<td>PC_SelRealIO did not transfer the status code from the selected input to the output</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-351</td>
<td></td>
</tr>
<tr>
<td>PC_Totalizer: The output value is correct calculated even if the pulse width value has changed.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-353</td>
<td></td>
</tr>
<tr>
<td>PC_Alarm_Event: if a filter time &lt;&gt; 0 is set, no alarm/event is generated</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-355</td>
<td></td>
</tr>
<tr>
<td>PC_MovingAvg (PC_ExtensionLib): In some cases a wrong value are calculated over the array contents</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-356</td>
<td></td>
</tr>
<tr>
<td>PC_Drive: Setting the FB.Speed.Parameters.Max with phMaxDrz may lead in incorrect behavior of PC_AI if both are connected to the same input (IO)</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-357</td>
<td></td>
</tr>
<tr>
<td>PC_AI: Redesign the PC_AI due to several reasons (alarm generation / output activation on range limits, over-/under-range handling, changing of input range without cold download, etc)</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-358</td>
<td></td>
</tr>
<tr>
<td>PC_Drive: MaxDeviationInt is reset on coldstart, but only set by MaxDeviation on init load (MaxDeviationInt is only retain)</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-359</td>
<td></td>
</tr>
</tbody>
</table>
### Description

**PC_AI** (and therefore also **PC_AICALC** and **PC_PIDs**): In case of error and additional status information in In.Status like IPS value is active, the internal error recognition did not work

**Remarks**

*ID: ACM-CM-360*

| ID: ACM-CM-361 |

---

**PC_Drive:** SP Range is set to -phMaxDrz to +phMaxDrz not limited to only forward direction (0 to phMaxDrv)

**Remarks**

| ID: ACM-CM-361 |

---

**PC_MotorBIM:** Faceplate buttons are disabled in case of object error

**Remarks**

| ID: ACM-FP-345 |

---

The Status Indication in classic Faceplates is shown in HPHMI style only.

**Remarks**

| ID: ACM-FP-266 |

---

The Status Indication in classic Graphic Elements is shown in HPHMI style.

**Remarks**

| ID: ACM-GE-267 |

---

### Table 4-7 Fixed Problems in V5.1-5

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PC_MotorBIM:</strong> Faceplate buttons are disabled in case of object error</td>
<td>harmonize with other modules</td>
</tr>
</tbody>
</table>

**ID: ACM-FP-345**

| ID: ACM-CM-336 |

---

**PC_SplitRangeCC:** In.Backward.Connected was not set any time. This lead in a superior controller module (for example PC_PIDMASTER if the EnableOutSpeedLim was set to false).

**Remarks**

| ID: ACM-CM-336 |

---

**PC_Drive:** SP.Backward.Range parameters are not properly set

**Remarks**

| ID: ACM-CM-349 |

---

### 4.4.2 PC_Library (Control Modules and Typicals)

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PC_MotorBIM:</strong> Faceplate buttons are disabled in case of object error</td>
<td>harmonize with other modules</td>
</tr>
</tbody>
</table>

**ID: ACM-FP-345**

| ID: ACM-CM-336 |

---

**PC_SplitRangeCC:** In.Backward.Connected was not set any time. This lead in a superior controller module (for example PC_PIDMASTER if the EnableOutSpeedLim was set to false).

**Remarks**

| ID: ACM-CM-336 |

---

**PC_Drive:** SP.Backward.Range parameters are not properly set

**Remarks**

| ID: ACM-CM-349 |

---
### 4.5 Known Problems in V5.1.5

#### 4.5.1 Graphical issues and documentation

<table>
<thead>
<tr>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>If InteractionPar.KeepModeOnError is set to true, the PC_MotorUniM and PC_Drive the Drive/Motor still changes to Man mode in case of a failure. PC_ValveUni/Bi works as designed.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-138</td>
<td></td>
</tr>
<tr>
<td>PC_Drive: After switch On the drive module the output OutCtrl is immediately set to 100%.</td>
<td>fixed</td>
</tr>
<tr>
<td>ID: ACM-CM-362</td>
<td></td>
</tr>
</tbody>
</table>

Table 4-8 Fixed Problems in V5.1-5

#### 4.5.2 PC_Library (Control Module Types)

<table>
<thead>
<tr>
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<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td></td>
</tr>
</tbody>
</table>

Table 4-10 Known Problems for Control Module types
4.6 Technical Support

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

4.7 How to obtain

Product Marketing/ TechSalesSupport and Order placement: DEATG/CES; mailto:tech-support-system-solution@de.abb.com, Phone +49 (0)69 7930 4410

License cost is outlined in the Price List 3BDA033517K_PriceBook_SystemSolutions

4.8 Deliverables

CD-ROM or DVD Medium with PC Toolkit Library for AC800M and product documentation in English.

5. Revisions

<table>
<thead>
<tr>
<th>Rev. ind.</th>
<th>Chapter</th>
<th>Description</th>
<th>Date/Init.</th>
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<td>-d1</td>
<td>All</td>
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<td>2011.03.07/FB</td>
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<tr>
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<td>Reviewed and approved to V5.0SP2RevD</td>
<td>2011.03.17/FB</td>
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<td>A</td>
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<td>Adapted and approved to V5.1</td>
<td>2011.03.22/FB</td>
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<tr>
<td>A+</td>
<td></td>
<td>Known Problems List formatted and completed with additional minor problems</td>
<td>2011.04.15/FB</td>
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<td>Bd1</td>
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<td>Adapted to TKL V5.1-1</td>
<td>2011.07.06/FB</td>
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<tr>
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<td>Approved to PC TKL V5.1-1</td>
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<td>Approved and released to PC TKL V5.1-2</td>
<td>2012.04.20/FB</td>
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<td>2012.08.28/TG</td>
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<td>2014.02.14/FB</td>
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<td>2015.05.28/TG</td>
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<td>2015.06.08/FB</td>
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<td>Reviewed and approved for V6.0-0</td>
<td>2016.04.25/FB</td>
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<td>2016.06.06/FB</td>
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Table 5-1 Revision