B&R Revision Information

Version 3.0.90 Automation Software

06-Sep-2011

Contents

B&R Revision Information (06.09.2011)
Version 3.0.90 Automation Software

Contents

Requests and problems by product and version

1A4000.02 (2.0 Automation Runtime SG4)

ID	valuation	solved since	known since	Description
400029199	Information	-	V3.00.80.20	Change in the Profiler causes longer task runtimes to be measured
400007523	Problem	-	V3.0.71.16 SP01	AsIMA ignores time zone information
400007523	Problem	-	V3.0.71.16 SP01	AsIMA ignores time zone information
400066089	Problem	-	V2.7.0.4102 [V2.94]	30479, 27306 when starting 7CP570.60-1 with four AF modules
400066089	Problem	-	V2.7.0.4102 [V2.94]	30479, 27306 when starting 7CP570.60-1 with four AF modules
400055446	Problem	-	V2.7.0.0015 SP08	Address error occurs when a breakpoint is reached on a command that is 1 byte long
400055446	Problem	-	V2.7.0.0015 SP08	Address error occurs when a breakpoint is reached on a command that is 1 byte long
400055446	Problem	-	V2.7.0.0015 SP08	Address error occurs when a breakpoint is reached on a command that is 1 byte long
400008018	Problem	-	V2.7.0.0010 SP03	If a 7XX408.50-1 module is operated using an X20BC0083 and a BT9100, the PWM outputs do not function properly
400067831	Problem	-	-	Memory management problem with task overload corrected with library version V2.80.1 and up
400059335	Problem	-	-	Correction of the error in which very short and light pressure on the touch screen can cause the position to be evaluated incorrectly
268630	Problem	-	ARSG4_4.00.17_Q04.00	ARwin on Windows 7 doesn't work in Shared mode (when using more than 2GB DRAM)
268405	Problem	-	ARSG4_4.00.16_P04.00	Problems with ARwin in Windows 7 when firewall is on
238445	Problem	-	ARSG4_3.08.1_A03.08	StaleData on local X2X Link interface when X2X cycle > system cycle
400069705	Problem	-	ARSG4_3.07.5_E03.07	Backup of remanent data to SRAM doesn't complete if ARwin is operated in Shared mode.
400069705	Problem	-	ARSG4_3.07.5_E03.07	Backup of remanent data to SRAM doesn't complete if ARwin is operated in Shared mode.
400065938	Problem	-	ARSG4_3.07.4_D03.07	c command line argument in the ARwin configuration disables not only the COM2 interface but also COM1.
400066308	Problem	-	ARSG4_3.06.22_V03.06	Error copying CAN CMS objects
400066308	Problem	-	ARSG4_3.06.22_V03.06	Error copying CAN CMS objects
400055674	Problem	-	ARSG4_3.06.22_V03.06	Status indication of tasks (RUN, IDLE, etc.) read incorrectly due to synchronization problems in Automation Studio - display problem
400046190, 400041900	Problem	-	ARSG4_3.06.22_V03.06	Upgrade to AR Version E3.01 can cause the CPU to continuously reboot
400072106	Problem	-	ARSG4_3.06.22_V03.06	Accessing the "Safety" and "Fieldbus" logbooks via library (with an index) causes a PageFault. The problem can be avoided by specifying the names "$safety" or "$fieldbus."
400072106	Problem	-	ARSG4_3.06.22_V03.06	Accessing the "Safety" and "Fieldbus" logbooks via library (with an index) causes a PageFault. The problem can be avoided by specifying the names "$safety" or "$fieldbus."
400072106	Problem	-	ARSG4_3.06.22_V03.06	Accessing the "Safety" and "Fieldbus" logbooks via library (with an index) causes a PageFault. The problem can be avoided by specifying the names "$safety" or "$fieldbus."
400054833	Problem	-	ARSG4_3.06.22_V03.06	PP065: Warning "26061 Cannot configure minimum reduced cycle time due to old firmware" because of different drivers or POWERLINK firmware
400048657	Problem	-	ARSG4_3.06.22_V03.06	PP045 with IF24 (L2DP) returns incorrect data when odd addresses are read in the Profibus image
400054833	Problem	-	ARSG4_3.06.22_V03.06	PP065: Warning "26061 Cannot configure minimum reduced cycle time due to old firmware" because of different drivers or POWERLINK firmware
400054111	Problem	-	ARSG4_3.01.9_I03.01	Debugger terminates online connection
400054111	Problem	-	ARSG4_3.01.9_I03.01	Debugger terminates online connection
400054111	Problem	-	ARSG4_3.01.9_I03.01	Debugger terminates online connection
400039843	Problem	-	ARSG4_3.01.1_A03.01	Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC
400039843	Problem	-	ARSG4_3.01.1_A03.01	Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC
400039843	Problem	-	ARSG4_3.01.1_A03.01	Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC
400042900	Problem	-	ARSG4_3.00.22_V03.00	ModuleOK status for screw-in modules is not determined correctly in some cases
400035792, 400020837	Problem	-	ARSG4_3.00.22_V03.00	Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC
400035792, 400020837	Problem	-	ARSG4_3.00.22_V03.00	Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC
400035792, 400020837	Problem	-	ARSG4_3.00.22_V03.00	Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC
400005281	Problem	-	ARSG4_2.94.22_V02.94	INA online connection to X20CS1020 stops working when the modem configuration is also activated

1A4000.02 (2.1 Automation Runtime SGC)

ID	valuation	solved since	known since	Description
400063995	Problem	-	ARSGC_2.31.6.F02.31	If DM_Lib function blocks are used to write to the user flash of the SGC CPU, after some time a locking problem results in Error 6025 - "Checksum of system management table destroyed".
265150	Problem	-	ARSGC_2.31.5.E02.31	X20XC0292: new firmware V43
265145	Problem	-	ARSGC_2.31.5.E02.31	X20CP0292: new firmware V43
265140	Problem	-	ARSGC_2.31.5.E02.31	X20CP0291: new firmware V43
264890	Problem	-	ARSGC_2.31.5.E02.31	X20CP0291: new firmware V43
264885	Problem	-	ARSGC_2.31.5.E02.31	X20CP0292: new firmware V43
264880	Problem	-	ARSGC_2.31.5.E02.31	X20XC0292: new firmware V43
243130	Problem	-	ARSGC_2.31.4.D02.31	X20XC0292: new firmware
243125	Problem	-	ARSGC_2.31.4.D02.31	X20CP0292: new firmware
243120	Problem	-	ARSGC_2.31.4.D02.31	X20CP0291: new firmware
243115	Problem	-	ARSGC_2.31.4.D02.31	X20CP0201: new firmware
243105	Problem	-	ARSGC_2.31.4.D02.31	X20XC0201: new firmware
243100	Problem	-	ARSGC_2.31.4.D02.31	X20XC0202: new firmware
229850	Problem	-	ARSGC_2.00.5.E02.00	X20XC0202: new firmware
229845	Problem	-	ARSGC_2.00.5.E02.00	X20XC0201: new firmware
229840	Problem	-	ARSGC_2.00.5.E02.00	X20CP0201: new firmware
229795	Problem	-	ARSGC_2.00.5.E02.00	X20XC0292: new firmware
229790	Problem	-	ARSGC_2.00.5.E02.00	X20CP0292: new firmware
229775	Problem	-	ARSGC_2.00.5.E02.00	X20CP0291: new firmware

1A4000.02 Automation Studio 2x

ID	valuation	solved since	known since	Description
126840	Problem	-	V2.5.1.0007 [G2.82]	Line coverage not working for functions called using function pointers
54015	Problem	-	V2.2	PLC crash when debugging the functions in the EthSock library

1A4000.02 Motion Components

ID	valuation	solved since	known since	Description

1A4000.02 Visual Components

ID	valuation	solved since	known since	Description
263545	Problem	-	VC 3.92.0	The font "Small Font" is not displayed correctly
400065416	Problem	-	VC 3.73.4	Help mode can't be turned off using hotspot
228710	Problem	-	V3.00.81.14	A build with GCC 2.95.3 doesn't work if the installation path contains parentheses ()
400056208	Problem	-	V3.00.81.14	Incorrect display of control element "Numeric" in the editor
196610	Problem	-	V3.00.80.09	Im Textgruppeneditor funktionieren einige Standardfunktionen (z.B: Kopieren, Einfügen, ..) im Kontextmenü nicht.
400024891, 400028764	Problem	-	V3.0.71.27 UP04	CP476 can be configured as terminal server.
186728	Problem	-	V3.0.71.16 SP01	When exchanging the CPU, the visualization mapping is lost.
174205	Problem	-	V2.6.0.0010 SP01	Changing an LED controlled by a PLC variable with VC type BOOL takes a very long time

1A4300.02 (1.3 Automation Help 3.x)

ID	valuation	solved since	known since	Description
400052222, 400053742, 400054269, 400054445, 400056806	Problem	-	V3.00.81.22 SP01	Calculation of Speed/Torque Characteristics failed
400054334	Problem	-	V3.00.81.18	X20DI2653 E-LED description incorrect

1A4300.02 Automation Studio 3.x

ID	valuation	solved since	known since	Description
400054960	Problem	-	V3.01.00 [FR000416]	Project containing frozen fieldbus devices can't be built.
400072260	Problem	-	V3.00.90.14	Internal variables displayed as constants
400072324	Problem	-	V3.00.81.27 SP0x	NodeSwitch channel of CAN interfaces with disabled CAN I/O
400072324	Problem	-	V3.00.81.27 SP0x	NodeSwitch channel of CAN interfaces with disabled CAN I/O
400073915	Problem	-	V3.00.81.27 SP0x	Incorrect code generation when mapping an expression to a bit

400073915	Problem	-	V3.00.81.27 SP0x	Incorrect code generation when mapping an expression to a bit
400071811	Problem	-	V3.00.81.27 SP0x	Incorrect handling of empty block connections in monitor mode
400070831	Problem	-	V3.00.81.27 SP0x	Replacing the CPU in the physical view can take a very long time with certain extensive hardware configurations.
400068698	Problem	-	V3.00.81.26 SP0x	Actions displayed in random order
400072054	Problem	-	V3.00.81.24 SP0x	CNC Trace: Some NC object names in the NC Trace data points are incorrect
400056193	Problem	-	V3.00.81.18	Projects with hardware modules that contain µ in their channel descriptions can not be build in the Chinese version of Windows.
400056310	Problem	-	V3.00.81.18	Incorrect channel address calculation for imported Powerlink devices with static mapping and user defined datatypes
235131	Problem	-	V3.00.81.15	CPU starts in service mode when a 7ME020 .9 or 7ME050.9 is configured
400054385	Problem	-	V3.00.80.30 SP01	FW1.1.14.2 of the LS 182.6-1 tends to invalid Datapoints
400054385	Problem	-	V3.00.80.30 SP01	FW1.1.14.2 of the LS 182.6-1 tends to invalid Datapoints
225956	Problem	-	V3.00.80.28 (FR000531)	Changing a PV or structure type member from value type to reference is not detected reliably in CopyMode.
255560	Problem	-	V3.00.80.19	Double clicking on a FindInFiles result selects a random tag in the OPC Tag Editor
255565	Problem	-	V3.00.80.19	Double clicking on a FindInFiles result selects a random tag in the OPC Tag Editor
255575	Problem	-	V3.00.80.19	Double clicking on a FindInFiles result selects a random tag in the OPC Tag Editor
255570	Problem	-	V3.00.80.19	Double clicking on a FindInFiles result selects a random tag in the OPC Tag Editor
209060	Problem	-	V3.00.80.18	Sometimes not all variable values are displayed in monitor mode.
207950	Problem	-	V3.00.80.17	Powerflow doesn't work for linked actions
400014126	Problem	-	V3.0.71.20 SP02	POWERLINK bus couplers can not be replaced in the physical view.
106285	Problem	-	-	Debugging no longer possible after moving project

5PC800.B945-01

ID	valuation	solved since	known since	Description
400054707	Problem	-	V3.00.81.19 SP01	Windows Terminal Funktion

Automation Studio 3.x

ID	valuation	solved since	known since	Description
107790	Problem	-	V2.4.1.0012	Maximum allowed number of modules on the CAN node not checked

Requests and problems by product/component

1A4000.02 Automation Studio 2x

Tools - Debugger

ID#54015 : known problem since V2.2, correction planned for V4.00.01

PLC crash when debugging the functions in the EthSock library

The PLC crashes when jumping over functions in the EthSock library using F11 (step into) while carrying out debugging on SG4 system generation targets.
Avoiding the error: Use F10 since "step into" doesn't make any sense anyway for binary libraries.

Tools - Line Coverage

ID#126840 : known problem since V2.5.1.0007 [G2.82], correction planned for V4.00.01

Line coverage not working for functions called using function pointers

If a function is called with a function pointer, then line coverage doesn't work in the called function or any functions called from there.

1A4000.02 Motion Components

NC Software - ACP10 V2.220

ID#400058774 : known problem since V3.00.90.01, correction planned for V3.00.90.02

SG4 target system with AR A3.08 or higher: Error 9650 when using ACP10 before V2.220

After optimizations some system functions are no longer contained in AR versions A3.08 or higher, which are needed by ACP10 versions before V2.220. If a ACP10 version before V2.220 is used with AR versions A3.08 or higher, then the following error is indicated during the project transfer or registered in the Logger during the PLC startup:
- 9650: Library function not available (System GOT)

For AR versions A3.08 or higher only the ACP10 versions V2.220 or higher can be used.

NC Software - ACP10SDC V2.170

ID#400034357 : known problem since V3.0.71.31 SP05

ACP10SDC with ARsim (AR000): Error 32006 or 32007

If in a ARsim (AR000) project the function ncaction() was called in that task class, which was defined as "Task class for NC Manager Task" in the NC configuration, then one of the following errors could occur in rare cases:
- 32206: Cyclic channel: Read Request in spite of Wait for Response
- 32207: Cyclic channel: Write Request in spite of Wait for Response

With older versions of the ACP10 software this problem can be avoided by configuring the application task with the ncaction() call into another task class as "Task class for NC Manager Task".

1A4000.02 Visual Components

SG4 - Common

ID# 400024891, 400028764 : known problem since V3.0.71.27 UP04, correction planned for V4.00.01

CP476 can be configured as terminal server.

In the hardware configuration, the CP476 can be configured as terminal server, although this isn't possible for memory reasons alone.

SG4 Compiler

ID#228710 : known problem since V3.00.81.14, correction planned for V3.00.90

A build with GCC 2.95.3 doesn't work if the installation path contains parentheses ()

If the installation path for Automation Studio contains parentheses, the build won't work if GCC Version is set to 2.95.3.

The problem occurs especially on Windows 7 64-bit installations, because the default installation path there is "c:\program files (x86)".

SG4 Editor - Common

ID#196610 : known problem since V3.00.80.09, correction planned for V4.00.01

Im Textgruppeneditor funktionieren einige Standardfunktionen (z.B: Kopieren, Einfügen, ..) im Kontextmenü nicht.

ID#186728 : known problem since V3.0.71.16 SP01, correction planned for V4.00.01

When exchanging the CPU, the visualization mapping is lost.

If the CPU is replaced by another in the physical view (e.g. 4PP420.1043-75 replaced by 4PP420.1043-B5) the mapping of the visualization connected to the display is lost.

SG4 Editor - Controls

ID#400056208 : known problem since V3.00.81.14, correction planned for V3.00.90.04

Incorrect display of control element "Numeric" in the editor

If the alignment for a "Numeric" control element is set to Center/Center and the Border to "none", then there is no value displayed in the editor.

SG4 Editor - PageDesigner

ID#174205 : known problem since V2.6.0.0010 SP01, correction planned for V3.00.71.x SP0x

Changing an LED controlled by a PLC variable with VC type BOOL takes a very long time

If a BOOL variable is connected to the LED action "Controlled by PLC", it takes very long for the application to respond again if you select the "data point" field to change it.

SG4 Runtime - Controls

ID#400065416 : known problem since VC 3.73.4, correction planned for VC 4.00.x

Help mode can't be turned off using hotspot

If the key action "Help - Toggle" is assigned to a hotspot control, Help Mode can't be turned off.

SG4 Runtime - VNC

ID#263545 : known problem since VC 3.92.0, correction planned for V3.00.90.13

The font "Small Font" is not displayed correctly

Because of errors in the font "Small Font", Visual Components Runtime doesn't display it correctly.

1A4000.02 (2.0 Automation Runtime SG4)

AR - ARsim

ID#400055446 : known problem since V2.7.0.0015 SP08, correction planned for ARSG4_3.07.3_C03.07

Address error occurs when a breakpoint is reached on a command that is 1 byte long

ID#400055446 : known problem since V2.7.0.0015 SP08, correction planned for ARSG4_3.08.4_D03.08

Address error occurs when a breakpoint is reached on a command that is 1 byte long

ID#400055446 : known problem since V2.7.0.0015 SP08, correction planned for ARSG4_4.00.4_D04.00

Address error occurs when a breakpoint is reached on a command that is 1 byte long

AR - ARwin

ID#268630 : known problem since ARSG4_4.00.17_Q04.00, correction planned for ARSG4_4.00.18_R04.00

ARwin on Windows 7 doesn't work in Shared mode (when using more than 2GB DRAM)

ID#268405 : known problem since ARSG4_4.00.16_P04.00, correction planned for ARSG4_4.02.1_A04.02

Problems with ARwin in Windows 7 when firewall is on

In order to avoid ARwin communication problems in Windows 7, the Windows Firewall must be disabled for the "Realtime OS Virtual Network interface.

ID#400069705 : known problem since ARSG4_3.07.5_E03.07, correction planned for ARSG4_3.07.11_K03.07

Backup of remanent data to SRAM doesn't complete if ARwin is operated in Shared mode.

Solution: Use Exclusive mode

ID#400069705 : known problem since ARSG4_3.07.5_E03.07, correction planned for ARSG4_3.09.1_A03.09

Backup of remanent data to SRAM doesn't complete if ARwin is operated in Shared mode.

Solution: Use Exclusive mode

ID#400065938 : known problem since ARSG4_3.07.4_D03.07, correction planned for ARSG4_4.02.1_A04.02

c command line argument in the ARwin configuration disables not only the COM2 interface but also COM1.

AR - General SG4

ID#400066308 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_3.07.10_J03.07

Error copying CAN CMS objects

Data is copied byte-wise from the CMS object to the PVs, although the target PVs may have data types larger than one byte.

ID#400066308 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_4.02.1_A04.02

Error copying CAN CMS objects

Data is copied byte-wise from the CMS object to the PVs, although the target PVs may have data types larger than one byte.

ID#400055674 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_3.08.4_D03.08

Status indication of tasks (RUN, IDLE, etc.) read incorrectly due to synchronization problems in Automation Studio - display problem

ID# 400046190, 400041900 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_3.07.11_K03.07

Upgrade to AR Version E3.01 can cause the CPU to continuously reboot

ID#400005281 : known problem since ARSG4_2.94.22_V02.94, correction planned for ARSG4_3.08.2_B03.08

INA online connection to X20CS1020 stops working when the modem configuration is also activated

Diagnose - Debugger

ID#400054111 : known problem since ARSG4_3.01.9_I03.01, correction planned for ARSG4_3.07.4_D03.07

Debugger terminates online connection

If application data is being exchanged with a target system via Ethernet, and a breakpoint is reached, all Ethernet buffers are used up (since the data is no longer picked up) and Ethernet communication is terminated. It is also no longer possible to establish an online connection.

ID#400054111 : known problem since ARSG4_3.01.9_I03.01, correction planned for ARSG4_3.08.5_E03.08

Debugger terminates online connection

If application data is being exchanged with a target system via Ethernet, and a breakpoint is reached, all Ethernet buffers are used up (since the data is no longer picked up) and Ethernet communication is terminated. It is also no longer possible to establish an online connection.

ID#400054111 : known problem since ARSG4_3.01.9_I03.01, correction planned for ARSG4_4.00.4_D04.00

Debugger terminates online connection

If application data is being exchanged with a target system via Ethernet, and a breakpoint is reached, all Ethernet buffers are used up (since the data is no longer picked up) and Ethernet communication is terminated. It is also no longer possible to establish an online connection.

Diagnose - Profiler

ID#400029199 : Information valid since ARSG4_3.00.17_Q03.00

Change in the Profiler causes longer task runtimes to be measured

Creating profiling entries takes a bit longer compared previous AR versions. This change was made because previous AR versions had variable runtimes for a profiling entry depending on the stack load. With a low stack load, the previous method was faster than the new one (more code), but with a higher stack load the old method can easily require much more time.

IO System - 2003 Backplane

ID#400066089 : known problem since V2.7.0.4102 [V2.94], correction planned for ARSG4_3.07.11_K03.07

30479, 27306 when starting 7CP570.60-1 with four AF modules

When a fourth 7AF101.7 module with some free connections and five 7DM465.7 modules were connected to a 7AF101.7 module with three 7AF101.7 modules with no free connections, then turning on the analog module connected to the fourth 7AF101.7 caused a timeout, and Error 30479 was entered in the logbook. Then the AR resets the firmware of the 2003 backplane, and there is an I/O cycle time violation (27306). The timeout was set to low for this configuration and has been increased accordingly in the current version of AR.

ID#400066089 : known problem since V2.7.0.4102 [V2.94], correction planned for ARSG4_3.09.1_A03.09

30479, 27306 when starting 7CP570.60-1 with four AF modules

When a fourth 7AF101.7 module with some free connections and five 7DM465.7 modules were connected to a 7AF101.7 module with three 7AF101.7 modules with no free connections, then turning on the analog module connected to the fourth 7AF101.7 caused a timeout, and Error 30479 was entered in the logbook. Then the AR resets the firmware of the 2003 backplane, and there is an I/O cycle time violation (27306). The timeout was set to low for this configuration and has been increased accordingly in the current version of AR.

IO System - X2X

ID#238445 : known problem since ARSG4_3.08.1_A03.08, correction planned for ARSG4_3.08.2_B03.08

StaleData on local X2X Link interface when X2X cycle > system cycle

If the X2X cycle time was longer than the system cycle time, the StaleData flag has been set during system cycles in which no new data was received on the X2X Link. This behaviour was inconsistent to X2X Link modules which were connected to a X2X Link/POWERLINK buscontroller. Now the StaleData flag is only set, if no data was received from the module during the X2X Link cycle. The Nettime of the X2X Link interface can be used.To determine if new X2X Link data was received during the latest system cycle.

ID#400042900 : known problem since ARSG4_3.00.22_V03.00, correction planned for ARSG4_3.01.6_F03.01

ModuleOK status for screw-in modules is not determined correctly in some cases

ID#400008018 : known problem since V2.7.0.0010 SP03, correction planned for ARSG4_2.96.10_J02.96

If a 7XX408.50-1 module is operated using an X20BC0083 and a BT9100, the PWM outputs do not function properly

Library - AsARLog

ID#400072106 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_3.09.1_A03.09

Accessing the "Safety" and "Fieldbus" logbooks via library (with an index) causes a PageFault. The problem can be avoided by specifying the names "$safety" or "$fieldbus."

ID#400072106 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_4.01.1_A04.01

Accessing the "Safety" and "Fieldbus" logbooks via library (with an index) causes a PageFault. The problem can be avoided by specifying the names "$safety" or "$fieldbus."

ID#400072106 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_4.02.1_A04.02

Accessing the "Safety" and "Fieldbus" logbooks via library (with an index) causes a PageFault. The problem can be avoided by specifying the names "$safety" or "$fieldbus."

Library - AsIMA

ID#400039843 : known problem since ARSG4_3.01.1_A03.01, correction planned for ARSG4_3.07.9_I03.07

Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC

ID#400039843 : known problem since ARSG4_3.01.1_A03.01, correction planned for ARSG4_3.08.14_N03.08

Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC

ID# 400035792, 400020837 : known problem since ARSG4_3.00.22_V03.00, correction planned for ARSG4_3.07.9_I03.07

Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC

ID# 400035792, 400020837 : known problem since ARSG4_3.00.22_V03.00, correction planned for ARSG4_3.08.14_N03.08

Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC

ID#400039843 : known problem since ARSG4_3.01.1_A03.01, correction planned for ARSG4_4.00.14_N04.00

Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC

ID#400007523 : known problem since V3.0.71.16 SP01, correction planned for ARSG4_3.08.10_J03.08

AsIMA ignores time zone information

ID# 400035792, 400020837 : known problem since ARSG4_3.00.22_V03.00, correction planned for ARSG4_4.00.14_N04.00

Under certain circumstances (INAaction with multiple PV objects) AR version 3.06/3.07 for SG4 is no longer compatible with older versions of AR or with SG3 / SGC

ID#400007523 : known problem since V3.0.71.16 SP01, correction planned for ARSG4_4.00.10_J04.00

AsIMA ignores time zone information

Library - LoopConR

ID#400067831 : known problem since unbekannt, correction planned for ARSG4_4.02.1_A04.02

Memory management problem with task overload corrected with library version V2.80.1 and up

System - Firmware

ID#400059335 : known problem since unbekannt, correction planned for ARSG4_4.00.7_G04.00

Correction of the error in which very short and light pressure on the touch screen can cause the position to be evaluated incorrectly

ID#400054833 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_3.07.2_B03.07

PP065: Warning "26061 Cannot configure minimum reduced cycle time due to old firmware" because of different drivers or POWERLINK firmware

ID#400048657 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_3.07.2_B03.07

PP045 with IF24 (L2DP) returns incorrect data when odd addresses are read in the Profibus image

ID#400054833 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_4.00.3_C04.00

PP065: Warning "26061 Cannot configure minimum reduced cycle time due to old firmware" because of different drivers or POWERLINK firmware

System - Firmware

ID#400048657 : known problem since ARSG4_3.06.22_V03.06, correction planned for ARSG4_3.08.4_D03.08

PP045 with IF24 (L2DP) returns incorrect data when odd addresses are read in the Profibus image

1A4000.02 (2.1 Automation Runtime SGC)

Firmware

ID#265150 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.31.8.H02.31

X20XC0292: new firmware V43

- solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
- UdpSend error number if port number = 0 (A&P 246075)
- ip addres has been used even after the DHCP lease has been expired (A&P 257895)
- using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#265145 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.31.8.H02.31

X20CP0292: new firmware V43

- solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
- UdpSend error number if port number = 0 (A&P 246075)
- ip addres has been used even after the DHCP lease has been expired (A&P 257895)
- using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#265140 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.31.8.H02.31

X20CP0291: new firmware V43

- solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
- UdpSend error number if port number = 0 (A&P 246075)
- ip addres has been used even after the DHCP lease has been expired (A&P 257895)
- using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#264890 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.32.6.F02.32

X20CP0291: new firmware V43

- solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
- UdpSend error number if port number = 0 (A&P 246075)

- ip addres has been used even after the DHCP lease has been expired (A&P 257895)
- using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#264885 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.32.6.F02.32

X20CP0292: new firmware V43

- solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
- UdpSend error number if port number = 0 (A&P 246075)
- ip addres has been used even after the DHCP lease has been expired (A&P 257895)
- using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#264880 : known problem since ARSGC_2.31.5.E02.31, correction planned for ARSGC_2.32.6.F02.32

X20XC0292: new firmware V43

- solved problem that occoured in projects that have no X2X modules but a long X2X cycle time (A&P 181220)
- UdpSend error number if port number = 0 (A&P 246075)
- ip addres has been used even after the DHCP lease has been expired (A&P 257895)
- using default host name for DHCP (="BR006065xxxxxx", where xxxxxx = the last 6 digits of the MAC address)

ID#243130 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20XC0292: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000).
A "Watchdog (AR)" could have happened if too much ARP- and/or ICMP-requests where received.
A "Watchdog (FW)" could have happened because of too high ethernet traffic (A&P 242005).
The time for cyclic ARP requests to the ethernet gateway has been changed from 1 minute to 10 minutes (A&P 242155).

ID#243125 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20CP0292: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000).
A "Watchdog (AR)" could have happened if too much ARP- and/or ICMP-requests where received.
A "Watchdog (FW)" could have happened because of too high ethernet traffic (A&P 242005).
The time for cyclic ARP requests to the ethernet gateway has been changed from 1 minute to 10 minutes (A&P 242155).

ID#243120 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20CP0291: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000).
A "Watchdog (AR)" could have happened if too much ARP- and/or ICMP-requests where received.
A "Watchdog (FW)" could have happened because of too high ethernet traffic (A&P 242005).
The time for cyclic ARP requests to the ethernet gateway has been changed from 1 minute to 10 minutes (A&P 242155).

ID#243115 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20CP0201: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000)

ID#243105 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20XC0201: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000)

ID#243100 : known problem since ARSGC_2.31.4.D02.31, correction planned for ARSGC_2.31.5.E02.31

X20XC0202: new firmware

X2X modules with invalid firmware where not updated under special circumstances (A&P 243000)

ID#229850 : known problem since ARSGC_2.00.5.E02.00, correction planned for ARSGC_2.01.10.J02.01

X20XC0202: new firmware

Switch new ASICS down to 3mA (A&P 182905)

ID#229845 : known problem since ARSGC_2.00.5.E02.00, correction planned for ARSGC_2.01.10.J02.01

X20XC0201: new firmware

Switch new ASICS down to 3mA (A&P 182905)

ID#229840 : known problem since ARSGC_2.00.5.E02.00, correction planned for ARSGC_2.01.10.J02.01

X20CP0201: new firmware

Switch new ASICS down to 3mA (A&P 182905)

ID#229795 : known problem since ARSGC_2.00.5.E02.00, correction planned for ARSGC_2.01.10.J02.01

X20XC0292: new firmware

Switch new ASICS down to 3mA (A&P 182905)
After 20 minutes of communicating over an ethernet gateway, an ARP request has been neccessary (which resulted in loosing 1 TCP packet) (A&P 229645)

ID#229790 : known problem since ARSGC_2.00.5.E02.00, correction planned for ARSGC_2.01.10.J02.01

X20CP0292: new firmware

Switch new ASICS down to 3mA (A&P 182905)
After 20 minutes of communicating over an ethernet gateway, an ARP request has been neccessary (which resulted in loosing 1 TCP packet) (A&P 229645)

ID#229775 : known problem since ARSGC_2.00.5.E02.00, correction planned for ARSGC_2.01.10.J02.01

X20CP0291: new firmware

Switch new ASICS down to 3mA (A&P 182905)
After 20 minutes of communicating over an ethernet gateway, an ARP request has been neccessary (which resulted in loosing 1 TCP packet) (A&P 229645)

Library - DM_lib

ID#400063995 : known problem since ARSGC_2.31.6.F02.31, correction planned for ARSGC_2.31.8.H02.31

If DM_Lib function blocks are used to write to the user flash of the SGC CPU, after some time a locking problem results in Error 6025 - "Checksum of system management table destroyed".

1A4300.02 Automation Studio 3.x

Build - ConfigurationBuilder

ID#400072324 : known problem since V3.00.81.27 SP0x, correction planned for V3.00.81.30 SP0x

NodeSwitch channel of CAN interfaces with disabled CAN I/O

The current value of the NodeSwitch channel of CAN interfaces on SG4 target systems is not displayed in the variable monitor or in monitor mode of the I/O mapping if CAN I/O communication is disabled.

ID#400072324 : known problem since V3.00.81.27 SP0x, correction planned for V3.00.90.19 SP0x

NodeSwitch channel of CAN interfaces with disabled CAN I/O

The current value of the NodeSwitch channel of CAN interfaces on SG4 target systems is not displayed in the variable monitor or in monitor mode of the I/O mapping if CAN I/O communication is disabled.

ID#400056193 : known problem since V3.00.81.18, correction planned for V3.00.90.07

Projects with hardware modules that contain μ in their channel descriptions can not be build in the Chinese version of Windows.

The following error is generated when building projects that contain μ in the channel descriptions:
Required white space was missing.
Error: on line 79, position 219 in "(null)".

ID#400054385 : known problem since V3.00.80.30 SP01, correction planned for V3.00.90

FW1.1.14.2 of the LS 182.6-1 tends to invalid Datapoints

ID#400054385 : known problem since V3.00.80.30 SP01, correction planned for V3.00.80.34 SP02

FW1.1.14.2 of the LS 182.6-1 tends to invalid Datapoints

Error in the .hwc

ID#235131 : known problem since V3.00.81.15, correction planned for V4.00.01

CPU starts in service mode when a 7ME020 .9 or 7ME050.9 is configured

If a hardware configuration or 2003 series modules contains a 7ME020.9 or 7ME050.9, then hardware modules connected to interface SS1 are given the same addresses as the I/O modules connected to the SG3 CPU.
As a result, the CPU starts in service mode.

Build - IECCompiler

ID#400073915 : known problem since V3.00.81.27 SP0x, correction planned for V3.00.81.31 SP0x

Incorrect code generation when mapping an expression to a bit

If an expression that contains an equation is mapped to a bit, the generated code is incorrect.

The faulty calculation only occurs when variables with a data width larger than 1 byte are used.

ID#400073915 : known problem since V3.00.81.27 SP0x, correction planned for V3.00.90.19 SP0x

Incorrect code generation when mapping an expression to a bit

If an expression that contains an equation is mapped to a bit, the generated code is incorrect.
The faulty calculation only occurs when variables with a data width larger than 1 byte are used.

Build - Transfer To Target

ID#225956 : known problem since V3.00.80.28 (FR000531), correction planned for V3.00.90

Changing a PV or structure type member from value type to reference is not detected reliably in CopyMode.

If you change an existing PV from value type to reference or back, this change is not detected correctly by AS in CopyMode.
As a result, there is no (correct) user information regarding the pending initialization.

Diagnostics - Debugger

ID#106285 : known problem since unbekannt, correction planned for V4.00.01

Debugging no longer possible after moving project

If a project is moved to a different directory, then its tasks can no longer be debugged since the debug information contains references to the original directory.

Diagnostics - Motion - NC Trace

ID#400072054 : known problem since V3.00.81.24 SP0x, correction planned for V3.00.81.31 SP0x

CNC Trace: Some NC object names in the NC Trace data points are incorrect

When a CNC trace was loaded, some of the NC object names in the NC Trace data points were switched, and some of the names were cryptic.

Programming - Automation Basic

ID#400072260 : known problem since V3.00.90.14, correction planned for V4.00.01

Internal variables displayed as constants

When showing tool tips in Automation Basic, internal variables are displayed along with the input parameters.

Programming - CFC

ID#209060 : known problem since V3.00.80.18, correction planned for V3.00.81.06

Sometimes not all variable values are displayed in monitor mode.

Sometimes not all variable values are displayed in monitor mode of CFC/FBD programs.

ID#207950 : known problem since V3.00.80.17, correction planned for V4.00.01

Powerflow doesn't work for linked actions

Powerflow doesn't work for linked actions if the output of the last action isn't connected.

Programming - FBD

ID#400071811 : known problem since V3.00.81.27 SP0x, correction planned for V3.00.90.19 SP0x

Incorrect handling of empty block connections in monitor mode

If a value is entered for empty block connections in monitor mode, then this value is always written to the last element of the block instance variable.
Entering a value for empty block connections is therefore no longer permitted.

Programming - OPC Alarm Editor

ID#255560 : known problem since V3.00.80.19, correction planned for V3.00.90

Double clicking on a FindInFiles result selects a random tag in the OPC Tag Editor

A FindInFiles search for OPC tag names returns the correct results, and double clicking on a result in the output window opens the editor, but then a random tag is selected.

Programming - OPC Custom Properties Editor

ID#255565 : known problem since V3.00.80.19, correction planned for V3.00.90

Double clicking on a FindInFiles result selects a random tag in the OPC Tag Editor

A FindInFiles search for OPC tag names returns the correct results, and double clicking on a result in the output window opens the editor, but then a random tag is selected.

Programming - OPC Mapping Editor

ID#255575 : known problem since V3.00.80.19, correction planned for V3.00.90

Double clicking on a FindInFiles result selects a random tag in the OPC Tag Editor

A FindInFiles search for OPC tag names returns the correct results, and double clicking on a result in the output window opens the editor, but then a random tag is selected.

ID#255570 : known problem since V3.00.80.19, correction planned for V3.00.90

Double clicking on a FindInFiles result selects a random tag in the OPC Tag Editor

A FindInFiles search for OPC tag names returns the correct results, and double clicking on a result in the output window opens the editor, but then a random tag is selected.

Tools - Import Fieldbus Device

ID#400056310 : known problem since V3.00.81.18, correction planned for V3.00.81.23 SP0x

Incorrect channel address calculation for imported Powerlink devices with static mapping and user defined datatypes

The mapping offset of user defined datatypes has not been applied for user defined datatypes. Although the offset within the user defined datatypes
was correct, the offset within the Powerlink frame was wrong.

Workspace - Logical View

ID#400068698 : known problem since V3.00.81.26 SP0x, correction planned for V4.00.01

Actions displayed in random order

The actions in a source file are displayed in random order and not in their order of appearance in the file.

Workspace - Physical View

ID#400070831 : known problem since V3.00.81.27 SP0x, correction planned for V4.00.01

Replacing the CPU in the physical view can take a very long time with certain extensive hardware configurations.

If the active configuration has an extensive hardware setup (several hundred hardware modules) and many process variables are mapped to the channels of I/O modules, it can take a long time to open the module selection window when the CPU is selected (up to several minutes). If a CPU is selected in the dialog box, it can also take a long time to actually replace the CPU (again, up to several minutes).

ID#400054960 : known problem since V3.01.00 [FR000416], correction planned for V4.00.01

Project containing frozen fieldbus devices can't be built.

If "freeze all" is performed on a project containing fieldbus devices, a subsequent build will result in error messages.

ID#400014126 : known problem since V3.0.71.20 SP02, correction planned for V4.00.01

POWERLINK bus couplers can not be replaced in the physical view.

Bus coupler modules cannot be exchanged in the physical view.
They must be exchanged in the interface configuration editor under "Open Powerlink".

1A4300.02 (1.3 Automation Help 3.x)

Hardware - Controls

ID#400054334 : known problem since V3.00.81.18

X20DI2653 E-LED description incorrect

Hardware - Motion

ID# 400052222, 400053742, 400054269, 400054445, 400056806 : known problem since V3.00.81.22 SP01, correction planned for V3.00.81.27 SP0x

Calculation of Speed/Torque Characteristics failed

Due to data type changes in the motor wizard, no more motor data is transferred to the calculation tool for Speed/Torque Characteristics. The data query for the calculation tool was adapted appropriately.

5PC800.B945-01

Hardware

ID#400054707 : known problem since V3.00.81.19 SP01

Windows Terminal Funktion

5PC820.SX02-00 with Windows terminal function

Automation Studio 3.x

Hardware Management

ID#107790 : known problem since V2.4.1.0012, correction planned for V4.00.01

Maximum allowed number of modules on the CAN node not checked

If an EX270 is used on a CAN node, then more than the permitted 4 modules can be inserted.