B&R Revision Information

Version ARSG4_4.00.22_V4.00 Automation Runtime SG4 Upgrade (V4.00)

06-Sep-2011

Contents

B&R Revision Information (06.09.2011)
Version ARSG4_4.00.22_V4.00 Automation Runtime SG4 Upgrade (V4.00)

The current revision information can be downloaded from the B&R Homepage download area (http://www.br-automation.com/download).

Contents

Requests and problems by product and version

1A4000.02 (2.0 Automation Runtime SG4)

ID	valuation	solved since	known since	Description
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
400055836	New function	-	-	PP45 could fail at low temperatures
400067831	Problem	-	-	Memory management problem with task overload corrected with library version V2.80.1 and up
400037284	New function	-	-	Improved response time for PP065 touch screen
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
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
400048512	New function	ARSG4_4.00.9_I04.00	V3.00.80.31 SP01	It is not possible to use C variables larger than 16 MB.
251322	Problem	ARSG4_4.00.9_I04.00	ARSG4_3.06.22_V03.06	POWERLINK: ACOPOSmulti with SafeMC as chained station
400055971	Problem	ARSG4_4.00.9_I04.00	ARSG4_3.06.22_V03.06	ARemb terminates INA connection if an attempt is made to access a non-existing partition via FTP
400054674	Problem	ARSG4_4.00.9_I04.00	ARSG4_3.00.22_V03.00	Module transfer to target not saved if there is not sufficient memory in the back-up partition.
400060887	New function	ARSG4_4.00.8_H04.00	V3.00.81.22 SP01	CANopen slave not started by the master if it sends only an emergency telegram with data =0 instead of a Boot-Up message
400055699	Problem	ARSG4_4.00.8_H04.00	V3.00.81.22 SP01	VC Windows Terminal: Changes to Enum variables are not updated on the terminal, but changes from the terminal are updated on the CPU
400053004, 400052525	Problem	ARSG4_4.00.8_H04.00	V3.00.81.18	Trigger condition not working
400039937	Problem	ARSG4_4.00.8_H04.00	V3.00.80.25	CANIO slaves are not always found after startup
400050977	Problem	ARSG4_4.00.8_H04.00	-	AsIMA doesn't adjust for daylight savings time when reading the time from a peer station
400055614	Problem	ARSG4_4.00.8_H04.00	PVI3.00.00.3119	"VT_DATE local" wrong for DCOM routines - in leap years the date is offset by one day
400060899	Problem	ARSG4_4.00.8_H04.00	ARSG4_3.07.4_D03.07	Due to an error in the task queue of the Modbus driver, packages that are received may no longer be allocated to the sent queries, thereby causing a connection timeout.
400055610	Problem	ARSG4_4.00.8_H04.00	ARSG4_3.07.1_A03.07	DT and DATE_AND _TIME variables are converted incorrectly by VT_DATE when they are written.
400057308	Problem	ARSG4_4.00.8_H04.00	ARSG4_3.01.9_I03.01	Target crashes with page fault in the web server module when an ASP write command is run from a website with more than 9 variables.
400057456	Problem	ARSG4_4.00.8_H04.00	ARSG4_3.01.7_G03.01	Update to ARwin configurator
400053444	Problem	ARSG4_4.00.8_H04.00	ARSG4_3.00.22_V03.00	Variable values sometimes displayed incorrectly on ASP pages
400002467, 400058853, 400058855	New function	ARSG4_4.00.7_G04.00	V3.00.81.23 SP02	Task class stack can only be configured up to a size of 1MB.
400058109	Problem	ARSG4_4.00.7_G04.00	V3.00.81.22 SP01	It can take very long to install I/O mappings, which can result in the connection being terminated due to a time violation.
400051942	Problem	ARSG4_4.00.7_G04.00	-	ModbusTCP doesn't start all slaves
400060652	Problem	ARSG4_4.00.7_G04.00	ARSG4_3.07.3_C03.07	CANrwtab() returns invalid data
400057809	Problem	ARSG4_4.00.7_G04.00	ARSG4_3.01.8_H03.01	Using logger functions in fast task classes can lead to cycle time violations
400056892	Problem	ARSG4_4.00.6_F04.00	V3.00.81.22 SP01	If the requested bur_heap_size (C++) is too large, the installation error ERR_LOADER_USERHEAP (5150) is now triggered
400007099, 400044198	Problem	ARSG4_4.00.6_F04.00	V2.7.0.0010 SP03	AsMemPartFree returned -8 byte free memory size
400011003	Problem	ARSG4_4.00.6_F04.00	ARSG4_4.00.3_C04.00	TIM_musec returns incorrect time when the system tick isn't a whole number multiple or factor of 10 milliseconds
245157	New function	ARSG4_4.00.6_F04.00	ARSG4_3.08.3_C03.08	The value specified for AsMemPartCreate now corresponds to the largest allocated block
400056515	Problem	ARSG4_4.00.6_F04.00	ARSG4_3.07.2_B03.07	Watchdog after CanWrite() on IF060 with IF621
400057340	Problem	ARSG4_4.00.6_F04.00	ARSG4_3.07.2_B03.07	POWERLINK reports error 27306 when starting a visualization application
400051015	Problem	ARSG4_4.00.6_F04.00	ARSG4_3.07.1_A03.07	Support for barcode scanner Cino F788-G
400054123, 400055855	Problem	ARSG4_4.00.6_F04.00	ARSG4_3.06.22_V03.06	When downloading in one cycle mode, an interrupt block can cause an I/O cycle time violation (27306)
400059082	Problem	ARSG4_4.00.6_F04.00	ARSG4_3.06.22_V03.06	Creating a new logger module using AsArLogCreate() deletes any existing tasks with the same name
400047724	Problem	ARSG4_4.00.6_F04.00	ARSG4_3.01.9_I03.01	When multiple Ethernet interfaces are used, interference in the routing table causes Error 29004 when the function block CfgSetDefaultGateway() is called
400053732	Problem	ARSG4_4.00.5_E04.00	V3.00.81.18	Priority of Profibus master can be configured
400055674	Problem	ARSG4_4.00.5_E04.00	ARSG4_3.06.22_V03.06	Status indication of tasks (RUN, IDLE, etc.) read incorrectly due to synchronization problems in Automation Studio - display problem
400056272	Problem	ARSG4_4.00.5_E04.00	ARSG4_3.06.22_V03.06	Priority of CANopen master can be configured
400046190, 400041900	Problem	ARSG4_4.00.4_D04.00	ARSG4_3.06.22_V03.06	Upgrade to AR Version E3.01 can cause the CPU to continuously reboot
400054457	Problem	ARSG4_4.00.4_D04.00	ARSG4_3.06.22_V03.06	CANopenSDOWriteData() terminates after downloading several hundred bytes due to a full CAN buffer
400054911	Problem	ARSG4_4.00.4_D04.00	ARSG4_3.06.22_V03.06	Function blocks from AsXML library ignore enable input
400055214	Problem	ARSG4_4.00.4_D04.00	ARSG4_3.01.8_H03.01	Using CANopenNMT() can prevent a task download from completing
400054360	Problem	ARSG4_4.00.3_C04.00	V3.00.81.20 SP01	With the function block CanOpenGetState(), when enable=FALSE the function block freezes during execution
400048657	Problem	ARSG4_4.00.3_C04.00	ARSG4_3.06.22_V03.06	PP045 with IF24 (L2DP) returns incorrect data when odd addresses are read in the Profibus image
400055463	Problem	ARSG4_4.00.3_C04.00	ARSG4_3.01.9_I03.01	CANopenSDOWrite8() only sends every second SDO
253632	New function	ARSG4_4.00.16_P04.00	nicht relevant	Detection of POWERLINK hardware using AS-IO-Diag
400068763	Problem	ARSG4_4.00.16_P04.00	ARSG4_3.08.11_K03.08	Naming of POWERLINK devices from other vendors in AsIODiag

400060016	Problem	ARSG4_4.00.16_P04.00	ARSG4_3.07.2_B03.07	Error 26051 in logbook when X20CS2770 after X20BCx083 on APC or Power Panel
400065938	Problem	ARSG4_4.00.15_O04.00	ARSG4_3.07.4_D03.07	c command line argument in the ARwin configuration disables not only the COM2 interface but also COM1.
400069009	Problem	ARSG4_4.00.15_O04.00	ARSG4_3.07.4_D03.07	VC application blocks netX data communication
400069276	Problem	ARSG4_4.00.14_N04.00	ARSG4_3.08.10_J03.08	Using a handle that has already been closed can cause a page fault (read, write, or close on a handle)
400065540	Problem	ARSG4_4.00.12_L04.00	V3.00.81.24 SP0x	ARwin shows incorrect amount of available DRAM memory in SDM
400057456	Problem	ARSG4_4.00.12_L04.00	ARSG4_3.01.7_G03.01	Update to ARwin configurator
400048318	New function	ARSG4_4.00.11_K04.00	V3.00.80.31 SP01	New function blocks FileWriteEx() and FileTruncate()
400052213	Problem	ARSG4_4.00.11_K04.00	V3.00.80.31 SP01	ENUM data types in ASP functions
400035047, 400036404	Problem	ARSG4_4.00.11_K04.00	ARSG4_3.08.25_Y03.08	If a breakpoint is reached in the INIT SP, then it is no longer possible to leave the breakpoint. Execute (F5), Step Over (F10) or Step Into (F11) do not have an affect.
258192	Problem	ARSG4_4.00.11_K04.00	ARSG4_3.07.2_B03.07	Firmware Update for SafeMC did not complete.
400066313	Problem	ARSG4_4.00.11_K04.00	ARSG4_3.06.22_V03.06	If, for example, the X2X timer is used as the system clock, then remanent variables aren't saved when there is a power failure
400030702	New function	ARSG4_4.00.11_K04.00	ARSG4_2.95.22_V02.95	New function block L2DPGetNode() for reading Profibus station number
400030702	New function	ARSG4_4.00.11_K04.00	ARSG4_2.95.22_V02.95	New function block L2DPGetNode() for reading Profibus station number
400038864	New function	ARSG4_4.00.10_J04.00	V3.00.80.25	Function blocks now return the error 20709 (fiERR_FILE_DEVICE) if a device is not present
400064601	Problem	ARSG4_4.00.10_J04.00	ARSG4_3.08.8_H03.08	Insufficient logbook entry when ArConfig has double channels/QLinks.
400062576	Problem	ARSG4_4.00.10_J04.00	ARSG4_3.07.4_D03.07	Error handling SYSCONF module in SYSROM
400062449	Problem	ARSG4_4.00.10_J04.00	ARSG4_3.07.4_D03.07	When using multiple netX CANopen master modules, a different handle is used for each module, which speeds up asynchronous function block processing.
400064575	Problem	ARSG4_4.00.10_J04.00	ARSG4_3.07.3_C03.07	Attempt to download AsCANopen library to ARsim rejected with error 9650 "Library function not available"
400062877	Problem	ARSG4_4.00.10_J04.00	ARSG4_3.06.22_V03.06	Remanent/permanent variables not saved when exiting ARsim
400063458	New function	ARSG4_4.00.10_J04.00	ARSG4_3.06.22_V03.06	DevLink() blocks other file actions for a relatively long time
400038864	New function	ARSG4_3.08.9_I03.08	V3.00.80.25	Function blocks now return the error 20709 (fiERR_FILE_DEVICE) if a device is not present
400013287	New function	ARSG4_3.08.9_I03.08	V3.0.71.20 SP02	Use the Diagnostics System Manager to list modules' diagnostics data points
400062877	Problem	ARSG4_3.08.9_I03.08	ARSG4_3.06.22_V03.06	Remanent/permanent variables not saved when exiting ARsim
400054674	Problem	ARSG4_3.08.9_I03.08	ARSG4_3.00.22_V03.00	Module transfer to target not saved if there is not sufficient memory in the back-up partition.
400028352	Problem	ARSG4_3.08.9_I03.08	ARSG4_3.00.15_O03.00	If global variables mapped to I/O points receive new addresses due to a change to the project, it is possible that the variable values are no longer transferred to the I/O points.
400028352, 400065604	Problem	ARSG4_3.08.9_I03.08	ARSG4_3.00.15_O03.00	If global variables mapped to I/O points receive new addresses due to a change to the project, it is possible that the variable values are no longer transferred to the I/O points.
400060157	Problem	ARSG4_3.08.9_I03.08	ARSG4_2.96.12_L02.96	The status BUSY can remain set for up to 120 minutes if the connection is lost when using the function block DirInfo() over a network
400060887	Problem	ARSG4_3.08.8_H03.08	V3.00.81.22 SP01	CANopen slave not started by the master if it sends only an emergency telegram with data =0 instead of a Boot-Up message
400053004, 400052525	Problem	ARSG4_3.08.8_H03.08	V3.00.81.18	Trigger condition not working
400039937	Problem	ARSG4_3.08.8_H03.08	V3.00.80.25	CANIO slaves are not always found after startup
400055836	New function	ARSG4_3.08.8_H03.08	-	PP45 could fail at low temperatures
400050977	Problem	ARSG4_3.08.8_H03.08	-	AsIMA doesn't adjust for daylight savings time when reading the time from a peer station
400055614	Problem	ARSG4_3.08.8_H03.08	PVI3.00.00.3119	"VT_DATE local" wrong for DCOM routines - in leap years the date is offset by one day
400058774	Problem	ARSG4_3.08.8_H03.08	ARSG4_3.08.4_D03.08	Incorrect version of rtosdrv.dll
400060899	Problem	ARSG4_3.08.8_H03.08	ARSG4_3.07.4_D03.07	Due to an error in the task queue of the Modbus driver, packages that are received may no longer be allocated to the sent queries, thereby causing a connection timeout.
400055610	Problem	ARSG4_3.08.8_H03.08	ARSG4_3.07.1_A03.07	DT and DATE_AND _TIME variables are converted incorrectly by VT_DATE when they are written.
400053444	Problem	ARSG4_3.08.8_H03.08	ARSG4_3.00.22_V03.00	Variable values sometimes displayed incorrectly on ASP pages
400053444	Problem	ARSG4_3.08.8_H03.08	ARSG4_3.00.22_V03.00	Variable values sometimes displayed incorrectly on ASP pages
400057308	Problem	ARSG4_3.08.8_H03.08	-	Target crashes with page fault in the web server module when an ASP write command is run from a website with more than 9 variables.
400002467, 400058853, 400058855	New function	ARSG4_3.08.7_G03.08	V3.00.81.23 SP02	Task class stack can only be configured up to a size of 1MB.
400058109	Problem	ARSG4_3.08.7_G03.08	V3.00.81.22 SP01	It can take very long to install I/O mappings, which can result in the connection being terminated due to a time violation.
400058774	Problem	ARSG4_3.08.7_G03.08	ARSG4_3.08.4_D03.08	Incorrect version of rtosdrv.dll
400060652	Problem	ARSG4_3.08.7_G03.08	ARSG4_3.07.3_C03.07	CANrwtab() returns invalid data
400056892	Problem	ARSG4_3.08.6_F03.08	V3.00.81.22 SP01	If the requested bur_heap_size (C++) is too large, the installation error ERR_LOADER_USERHEAP (5150) is now triggered
-, 400047408, 400049937	Problem	ARSG4_3.08.6_F03.08	V3.00.81.12	Error 29009 occurs when reading the default gateway
400007099, 400044198	Problem	ARSG4_3.08.6_F03.08	V2.7.0.0010 SP03	AsMemPartFree returned -8 byte free memory size
400051942	Problem	ARSG4_3.08.6_F03.08	-	ModbusTCP doesn't start all slaves
400058774	Problem	ARSG4_3.08.6_F03.08	ARSG4_3.08.4_D03.08	Incorrect version of rtosdrv.dll

400011003	Problem	ARSG4_3.08.6_F03.08	ARSG4_3.08.4_D03.08	TIM_musec returns incorrect time when the system tick isn't a whole number multiple or factor of 10 milliseconds
400056515	Problem	ARSG4_3.08.6_F03.08	ARSG4_3.07.2_B03.07	Watchdog after CanWrite() on IF060 with IF621
400057340	Problem	ARSG4_3.08.6_F03.08	ARSG4_3.07.2_B03.07	POWERLINK reports error 27306 when starting a visualization application
400057746	Problem	ARSG4_3.08.6_F03.08	ARSG4_3.06.4_D03.06	Calling the function block CfgSetEthConfigMode() with the same mode that is already in use triggers Error 29003
400054123, 400055855	Problem	ARSG4_3.08.6_F03.08	ARSG4_3.06.22_V03.06	When downloading in one cycle mode, an interrupt block can cause an I/O cycle time violation (27306)
400046190, 400041900	Problem	ARSG4_3.08.6_F03.08	ARSG4_3.06.22_V03.06	Upgrade to AR Version E3.01 can cause the CPU to continuously reboot
400059082	Problem	ARSG4_3.08.6_F03.08	ARSG4_3.06.22_V03.06	Creating a new logger module using AsArLogCreate() deletes any existing tasks with the same name
400047724	Problem	ARSG4_3.08.6_F03.08	ARSG4_3.01.9_I03.01	When multiple Ethernet interfaces are used, interference in the routing table causes Error 29004 when the function block CfgSetDefaultGateway() is called
400057809	Problem	ARSG4_3.08.6_F03.08	-	Using logger functions in fast task classes can lead to cycle time violations
400053732	Problem	ARSG4_3.08.5_E03.08	V3.00.81.18	Priority of Profibus master can be configured
400053957	Problem	ARSG4_3.08.5_E03.08	-	Time calculation incorrect for logger entries in SDM
400056381	Problem	ARSG4_3.08.5_E03.08	ARSG4_3.06.22_V03.06	Priority of CANopen master can be configured
400049979	Problem	ARSG4_3.08.5_E03.08	ARSG4_3.01.7_G03.01	SDM - Update problems with dynamic page content
400062152	Problem	ARSG4_3.08.4_D03.08	V3.00.81.24 SP0x	Status indication of tasks (RUN, IDLE, etc.) read incorrectly due to synchronization problems in Automation Studio - display problem
400051015	Problem	ARSG4_3.08.4_D03.08	ARSG4_3.07.1_A03.07	Support for Cino F788-G barcode scanner
400055674	Problem	ARSG4_3.08.4_D03.08	ARSG4_3.06.22_V03.06	Status indication of tasks (RUN, IDLE, etc.) read incorrectly due to synchronization problems in Automation Studio - display problem
400054457	Problem	ARSG4_3.08.4_D03.08	ARSG4_3.06.22_V03.06	CANopenSDOWriteData() terminates after downloading several hundred bytes due to a full CAN buffer
400054833	Problem	ARSG4_3.08.4_D03.08	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
400055463	Problem	ARSG4_3.08.4_D03.08	ARSG4_3.01.9_I03.01	CANopenSDOWrite8() only sends every second SDO
400055214	Problem	ARSG4_3.08.4_D03.08	ARSG4_3.01.8_H03.01	Using CANopenNMT() can prevent a task download from completing
400054360	Problem	ARSG4_3.08.3_C03.08	V3.00.81.20 SP01	With the function block CanOpenGetState(), when enable=FALSE the function block freezes during execution
400037524	Problem	ARSG4_3.08.3_C03.08	V3.00.80.25	Error "9098 - System I/O cross-link task cycle time violation" is generated when a a SafePLC and standard PLC are linked and a breakpoint is set on the standard PLC.
400054911	Problem	ARSG4_3.08.3_C03.08	ARSG4_3.06.22_V03.06	Function blocks from AsXML library ignore enable input
237362	New function	ARSG4_3.08.2_B03.08	-	Logbook entry for firmware update now contains old and new version
400040758	New function	ARSG4_3.08.2_B03.08	-	Old and new firmware version entered in logbook
400051743	Problem	ARSG4_3.08.2_B03.08	ARSG4_3.06.22_V03.06	If no destination directory is specified for DirCopy(), copying to ARsim doesn't work.
257265	New function	ARSG4_3.08.16_P03.08	nicht relevant	Detection of POWERLINK hardware using AS-IO-Diag
400065938	Problem	ARSG4_3.08.15_O03.08	ARSG4_3.07.4_D03.07	c command line argument in the ARwin configuration disables not only the COM2 interface but also COM1.
400069009	Problem	ARSG4_3.08.15_O03.08	ARSG4_3.07.4_D03.07	VC application blocks netX data communication
400068763	Problem	ARSG4_3.08.14_N03.08	ARSG4_3.08.11_K03.08	Naming of POWERLINK devices from other vendors in AsIODiag
400069276	Problem	ARSG4_3.08.14_N03.08	ARSG4_3.08.10_J03.08	Using a handle that has already been closed can cause a page fault (read, write, or close on a handle)
400061758	Problem	ARSG4_3.08.14_N03.08	ARSG4_3.06.22_V03.06	ACOPOS synchronization problem 6002 in cascading POWERLINK networks when POWERLINK cycle time > 2ms
400055409	Problem	ARSG4_3.08.14_N03.08	ARSG4_3.01.9_I03.01	EplSDORead() stays in the status "Busy" after the enable FB is set to FALSE
400065540	Problem	ARSG4_3.08.12_L03.08	V3.00.81.24 SP0x	ARwin shows incorrect amount of available DRAM memory in SDM
400068762	New function	ARSG4_3.08.12_L03.08	nicht relevant	Read ACOPOS device type using AsIODiag function block
400060016	Problem	ARSG4_3.08.12_L03.08	ARSG4_3.07.2_B03.07	Error 26051 in logbook when X20CS2770 after X20BCx083 on APC or Power Panel
400055409	Problem	ARSG4_3.08.12_L03.08	ARSG4_3.01.9_I03.01	EplSDORead() stays in the status "Busy" after the enable FB is set to FALSE
400048318	New function	ARSG4_3.08.11_K03.08	V3.00.80.31 SP01	New function blocks FileWriteEx() and FileTruncate()
400052213	Problem	ARSG4_3.08.11_K03.08	V3.00.80.31 SP01	ENUM data types in ASP functions
400066313	Problem	ARSG4_3.08.11_K03.08	ARSG4_3.06.22_V03.06	If, for example, the X2X timer is used as the system clock, then remanent variables aren't saved when there is a power failure
400057308	Problem	ARSG4_3.08.11_K03.08	ARSG4_3.01.9_I03.01	Target crashes with page fault in the web server module when an ASP write command is run from a website with more than 9 variables.
400059335	Problem	ARSG4_3.08.10_J03.08	-	Correction of the error in which very short and light pressure on the touch screen can cause the position to be evaluated incorrectly
400037284	New function	ARSG4_3.08.10_J03.08	-	Improved response time for PP065 touch screen
400064601	Problem	ARSG4_3.08.10_J03.08	ARSG4_3.08.8_H03.08	Insufficient logbook entry when ArConfig has double channels/QLinks.
400062576	Problem	ARSG4_3.08.10_J03.08	ARSG4_3.07.4_D03.07	Error handling SYSCONF module in SYSROM
400062449	Problem	ARSG4_3.08.10_J03.08	ARSG4_3.07.4_D03.07	When using multiple netX CANopen master modules, a different handle is used for each module, which speeds up asynchronous function block processing.
400064575	Problem	ARSG4_3.08.10_J03.08	ARSG4_3.07.3_C03.07	Attempt to download AsCANopen library to ARsim rejected with error 9650 "Library function not available"
400063458	New function	ARSG4_3.08.10_J03.08	ARSG4_3.06.22_V03.06	DevLink() blocks other file actions for a relatively long time
257375	Problem	ARSG4_3.08.10_J03.08	ARSG4_3.01.11_K03.01	PP065 in combination with a 4PP065.IF23-1 no longer booting due to a faulty flash access after a firmware update
400069276	Problem	ARSG4_3.07.9_I03.07	ARSG4_3.08.10_J03.08	Using a handle that has already been closed can cause a page fault (read, write, or close on a handle)
400009063, 400065339	New function	ARSG4_3.07.8_H03.07	V3.0.71.16 SP01	Find unconfigured POWERLINK stations with ASIODiag
400066313	Problem	ARSG4_3.07.8_H03.07	ARSG4_3.06.22_V03.06	

				If, for example, the X2X timer is used as the system clock, then remanent variables aren't saved when there is a power failure
400057456	Problem	ARSG4_3.07.8_H03.07	ARSG4_3.01.7_G03.01	Update to ARwin configurator
400065562	Problem	ARSG4_3.07.7_G03.07	ARSG4_3.07.6_F03.07	SDM 1 (Automation Studio 3.0.80) doesn't work with Firefox 4.0 and higher
400062576	Problem	ARSG4_3.07.7_G03.07	ARSG4_3.07.4_D03.07	Error handling SYSCONF module in SYSROM
400062449	Problem	ARSG4_3.07.7_G03.07	ARSG4_3.07.4_D03.07	When using multiple netX CANopen master modules, a different handle is used for each module, which speeds up asynchronous function block processing.
400065361	Problem	ARSG4_3.07.7_G03.07	ARSG4_3.07.3_C03.07	IF1063-1 doesn't work on the BC1083
400064575	Problem	ARSG4_3.07.7_G03.07	ARSG4_3.07.3_C03.07	Attempt to download AsCANopen library to ARsim rejected with error 9650 "Library function not available"
400065239	Problem	ARSG4_3.07.7_G03.07	ARSG4_3.07.2_B03.07	Firmware Update for SafeMC did not complete.
400060887	Problem	ARSG4_3.07.6_F03.07	V3.00.81.22 SP01	CANopen slave not started by the master if it sends only an emergency telegram with data =0 instead of a Boot-Up message
400058109	Problem	ARSG4_3.07.6_F03.07	V3.00.81.22 SP01	It can take very long to install I/O mappings, which can result in the connection being terminated due to a time violation.
400053447	Problem	ARSG4_3.07.6_F03.07	V3.00.81.20 SP01	In some circumstances, the watchdog may be triggered during debugging because a required system resource (Mutex) is not available
400053004, 400052525	Problem	ARSG4_3.07.6_F03.07	V3.00.81.18	Trigger condition not working
400039937	Problem	ARSG4_3.07.6_F03.07	V3.00.80.25	CANIO slaves are not always found after startup
400055836	New function	ARSG4_3.07.6_F03.07	-	PP45 could fail at low temperatures
400059335	Problem	ARSG4_3.07.6_F03.07	-	Correction of the error in which very short and light pressure on the touch screen can cause the position to be evaluated incorrectly
400060899	Problem	ARSG4_3.07.6_F03.07	ARSG4_3.07.4_D03.07	Due to an error in the task queue of the Modbus driver, packages that are received may no longer be allocated to the sent queries, thereby causing a connection timeout.
257430	Problem	ARSG4_3.07.6_F03.07	ARSG4_3.01.11_K03.01	PP065 in combination with a 4PP065.IF23-1 no longer booting due to a faulty flash access after a firmware update
400060157	Problem	ARSG4_3.07.6_F03.07	ARSG4_2.96.12_L02.96	The status BUSY can remain set for up to 120 minutes if the connection is lost when using the function block DirInfo() over a network
-, 400047408, 400049937	Problem	ARSG4_3.07.5_E03.07	V3.00.81.12	Error 29009 occurs when reading the default gateway
-, 400047408, 400049937	Problem	ARSG4_3.07.5_E03.07	V3.00.81.12	Error 29009 occurs when reading the default gateway
400051942	Problem	ARSG4_3.07.5_E03.07	-	ModbusTCP doesn't start all slaves
400060652	Problem	ARSG4_3.07.5_E03.07	ARSG4_3.07.3_C03.07	CANrwtab() returns invalid data
400057746	Problem	ARSG4_3.07.5_E03.07	ARSG4_3.06.4_D03.06	Calling the function block CfgSetEthConfigMode() with the same mode that is already in use triggers Error 29003
400057746	Problem	ARSG4_3.07.5_E03.07	ARSG4_3.06.4_D03.06	Calling the function block CfgSetEthConfigMode() with the same mode that is already in use triggers Error 29003
251317	Problem	ARSG4_3.07.5_E03.07	ARSG4_3.06.22_V03.06	POWERLINK: ACOPOSmulti with SafeMC as chained station
400060965	Problem	ARSG4_3.07.5_E03.07	ARSG4_3.06.22_V03.06	POWERLINK: ACOPOSmulti with SafeMC as chained station
400047724	Problem	ARSG4_3.07.5_E03.07	ARSG4_3.01.9_I03.01	When multiple Ethernet interfaces are used, interference in the routing table causes Error 29004 when the function block CfgSetDefaultGateway() is called
400057308	Problem	ARSG4_3.07.5_E03.07	ARSG4_3.01.9_I03.01	Target crashes with page fault in the web server module when an ASP write command is run from a website with more than 9 variables.
400048959	Problem	ARSG4_3.07.5_E03.07	ARSG4_2.96.10_J02.96	ModbusTCP master doesn't work on AC141
400053732	Problem	ARSG4_3.07.4_D03.07	V3.00.81.18	Priority of Profibus master can be configured
400056515	Problem	ARSG4_3.07.4_D03.07	ARSG4_3.07.2_B03.07	Watchdog after CanWrite() on IF060 with IF621
400057340	Problem	ARSG4_3.07.4_D03.07	ARSG4_3.07.2_B03.07	POWERLINK reports error 27306 when starting a visualization application
400057827	Problem	ARSG4_3.07.4_D03.07	ARSG4_3.07.1_A03.07	Maximum number of device handles exceeded with approx. 400 safety modules
400053957	Problem	ARSG4_3.07.4_D03.07	ARSG4_3.06.22_V03.06	Time calculation incorrect for logger entries in SDM
400056381	Problem	ARSG4_3.07.4_D03.07	ARSG4_3.06.22_V03.06	Priority of CANopen master can be configured
400055214	Problem	ARSG4_3.07.4_D03.07	ARSG4_3.01.8_H03.01	Using CANopenNMT() can prevent a task download from completing
400049979	Problem	ARSG4_3.07.4_D03.07	ARSG4_3.01.7_G03.01	SDM - Update problems with dynamic page content
400051015	Problem	ARSG4_3.07.3_C03.07	ARSG4_3.07.1_A03.07	Support for Cino F788-G barcode scanner
400054123, 400055855	Problem	ARSG4_3.07.3_C03.07	ARSG4_3.06.22_V03.06	When downloading in one cycle mode, an interrupt block can cause an I/O cycle time violation (27306)
400055674	Problem	ARSG4_3.07.3_C03.07	ARSG4_3.06.22_V03.06	Status indication of tasks (RUN, IDLE, etc.) read incorrectly due to synchronization problems in Automation Studio - display problem
400054457	Problem	ARSG4_3.07.3_C03.07	ARSG4_3.06.22_V03.06	CANopenSDOWriteData() terminates after downloading several hundred bytes due to a full CAN buffer
400055463	Problem	ARSG4_3.07.3_C03.07	ARSG4_3.01.9_I03.01	CANopenSDOWrite8() only sends every second SDO
400053444	Problem	ARSG4_3.07.3_C03.07	ARSG4_3.00.22_V03.00	Variable values sometimes displayed incorrectly on ASP pages
400054360	Problem	ARSG4_3.07.2_B03.07	V3.00.81.20 SP01	With the function block CanOpenGetState(), when enable=FALSE the function block freezes during execution
400053201	Problem	ARSG4_3.07.2_B03.07	ARSG4_3.06.22_V03.06	Automation Runtime boots cyclically or crashes addresses in the same subnet are assigned on both Ethernet interfaces
400051241	Problem	ARSG4_3.07.2_B03.07	ARSG4_3.06.22_V03.06	Remanent variables are not initialized with their INIT values when the CF is regenerated and a warm restart is performed.
400053665, 400054105, 400055244	Problem	ARSG4_3.07.2_B03.07	ARSG4_3.06.22_V03.06	I/O cycle time violation during startup due to initialization of graphic card
400054911	Problem	ARSG4_3.07.2_B03.07	ARSG4_3.06.22_V03.06	Function blocks from AsXML library ignore enable input
400046414	Problem	ARSG4_3.07.1_A03.07	ARSG4_3.06.3_C03.06	Pagefault / Memory not in heap

400043785	Problem	ARSG4_3.07.1_A03.07	ARSG4_2.95.20_T02.95	No clear text in the error logbook when data in the SRAM is lost while shutting down

1A4300.02 (1.0 Automation Studio 3.x)

ID	valuation	solved since	known since	Description
400062152	Problem	ARSG4_3.07.3_C03.07	V3.00.81.24 SP0x	Status indication of tasks (RUN, IDLE, etc.) read incorrectly due to synchronization problems in Automation Studio - display problem

Requests and problems by product/component

1A4000.02 (2.0 Automation Runtime SG4)

AR - ARemb

ID#400053201 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.2_B03.07

Automation Runtime boots cyclically or crashes addresses in the same subnet are assigned on both Ethernet interfaces

AR - ARsim

ID#400062877 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.9_I03.08

Remanent/permanent variables not saved when exiting ARsim

ID#400062877 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.10_J04.00

Remanent/permanent variables not saved when exiting 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#400065938 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.08.15_O03.08

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

ID#400065938 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_4.00.15_O04.00

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

ID#400065540 : solved problem, known since V3.00.81.24 SP0x, solved since ARSG4_3.08.12_L03.08

ARwin shows incorrect amount of available DRAM memory in SDM

ID#400065540 : solved problem, known since V3.00.81.24 SP0x, solved since ARSG4_4.00.12_L04.00

ARwin shows incorrect amount of available DRAM memory in SDM

ID#400066313 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.8_H03.07

If, for example, the X2X timer is used as the system clock, then remanent variables aren't saved when there is a power failure

ID#400066313 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.11_K03.08

If, for example, the X2X timer is used as the system clock, then remanent variables aren't saved when there is a power failure

ID#400066313 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.11_K04.00

If, for example, the X2X timer is used as the system clock, then remanent variables aren't saved when there is a power failure

ID#400057456 : solved problem, known since ARSG4_3.01.7_G03.01, solved since ARSG4_3.07.8_H03.07

Update to ARwin configurator

It is now possible to set the broadcast address and the subnet mask.

ID#400057456 : solved problem, known since ARSG4_3.01.7_G03.01, solved since ARSG4_4.00.8_H04.00

Update to ARwin configurator

It is now possible to set the broadcast address and the subnet mask.

ID#400058774 : solved problem, known since ARSG4_3.08.4_D03.08, solved since ARSG4_3.08.8_H03.08

Incorrect version of rtosdrv.dll

If an APC with 16 interrupts (PIC types) is used as the target platform, e.g. an APC620 with an E855 board, there are problems with setup and when upgrading via AS. This is caused by incorrect versions of the dlls and driver involved.

ID#400058774 : solved problem, known since ARSG4_3.08.4_D03.08, solved since ARSG4_3.08.7_G03.08

Incorrect version of rtosdrv.dll

If an APC with 16 interrupts (PIC types) is used as the target platform, e.g. an APC620 with an E855 board, there are problems with setup and when upgrading via AS. This is caused by incorrect versions of the dlls and driver involved.

ID#400058774 : solved problem, known since ARSG4_3.08.4_D03.08, solved since ARSG4_3.08.6_F03.08

Incorrect version of rtosdrv.dll

If an APC with 16 interrupts (PIC types) is used as the target platform, e.g. an APC620 with an E855 board, there are problems with setup and when upgrading via AS. This is caused by incorrect versions of the dlls and driver involved.

ID#400057456 : solved problem, known since ARSG4_3.01.7_G03.01, solved since ARSG4_4.00.12_L04.00

Update to ARwin configurator

It is now possible to set the broadcast address and the subnet mask.

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#400062576 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.07.7_G03.07

Error handling SYSCONF module in SYSROM

ID#400062152 : solved problem, known since V3.00.81.24 SP0x, solved since 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#400062576 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.08.10_J03.08

Error handling SYSCONF module in SYSROM

ID#400062576 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_4.00.10_J04.00

Error handling SYSCONF module in SYSROM

ID#400054674 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.08.9_I03.08

Module transfer to target not saved if there is not sufficient memory in the back-up partition.

If storage space runs out while writing the back-up copy of a .br module (to the back-up partition), then both files (original and back-up copy) will remain on the CF, but the module in the back-up copy will be incomplete. An error will not be reported in this case. This doesn't cause any problems until the "healthy" file in the first partition is restored using the incomplete module from the second partition. A checksum error for the .br module will now be detected.

ID#400054674 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_4.00.9_I04.00

Module transfer to target not saved if there is not sufficient memory in the back-up partition.

If storage space runs out while writing the back-up copy of a .br module (to the back-up partition), then both files (original and back-up copy) will remain on the CF, but the module in the back-up copy will be incomplete. An error will not be reported in this case. This doesn't cause any problems until the "healthy" file in the first partition is restored using the incomplete module from the second partition. A checksum error for the .br module will now be detected.

ID#400056892 : solved problem, known since V3.00.81.22 SP01, solved since ARSG4_3.08.6_F03.08

If the requested bur_heap_size (C++) is too large, the installation error ERR_LOADER_USERHEAP (5150) is now triggered

ID#400056892 : solved problem, known since V3.00.81.22 SP01, solved since ARSG4_4.00.6_F04.00

If the requested bur_heap_size (C++) is too large, the installation error ERR_LOADER_USERHEAP (5150) is now triggered

ID#400056515 : solved problem, known since ARSG4_3.07.2_B03.07, solved since ARSG4_3.07.4_D03.07

Watchdog after CanWrite() on IF060 with IF621

Initialization problems in the CAN IRQ routine can prevent IRQs from being acknowledged and trigger a watchdog error.

ID#400056515 : solved problem, known since ARSG4_3.07.2_B03.07, solved since ARSG4_3.08.6_F03.08

Watchdog after CanWrite() on IF060 with IF621

Initialization problems in the CAN IRQ routine can prevent IRQs from being acknowledged and trigger a watchdog error.

ID#400056515 : solved problem, known since ARSG4_3.07.2_B03.07, solved since ARSG4_4.00.6_F04.00

Watchdog after CanWrite() on IF060 with IF621

Initialization problems in the CAN IRQ routine can prevent IRQs from being acknowledged and trigger a watchdog error.

ID# 400054123, 400055855 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.3_C03.07

When downloading in one cycle mode, an interrupt block can cause an I/O cycle time violation (27306)

ID# 400054123, 400055855 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.6_F03.08

When downloading in one cycle mode, an interrupt block can cause an I/O cycle time violation (27306)

ID#400055674 : solved problem, known since ARSG4_3.06.22_V03.06, solved since 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#400055674 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.3_C03.07

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

ID#400055674 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.5_E04.00

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

ID# 400046190, 400041900 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.4_D04.00

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

ID# 400054123, 400055855 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.6_F04.00

When downloading in one cycle mode, an interrupt block can cause an I/O cycle time violation (27306)

ID#400051241 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.2_B03.07

Remanent variables are not initialized with their INIT values when the CF is regenerated and a warm restart is performed.

ID# 400046190, 400041900 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.6_F03.08

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

ID#400043785 : solved problem, known since ARSG4_2.95.20_T02.95, solved since ARSG4_3.07.1_A03.07

No clear text in the error logbook when data in the SRAM is lost while shutting down

ID# 400002467, 400058853, 400058855 : new function since ARSG4_3.08.7_G03.08

Task class stack can only be configured up to a size of 1MB.

ID#400048512 : new function since ARSG4_4.00.9_I04.00

It is not possible to use C variables larger than 16 MB.

If variables larger than 16 MB are declared in C programs, Error 4522 will be generated when the project is built.

ID# 400002467, 400058853, 400058855 : new function since ARSG4_4.00.7_G04.00

Task class stack can only be configured up to a size of 1MB.

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

AR - PP45

ID#400055836 : new function since ARSG4_3.07.6_F03.07

PP45 could fail at low temperatures

Low temperatures can cause a timer on the CPU to stop running. This problem can only be corrected by resetting the timer.

ID#400055836 : new function since ARSG4_3.08.8_H03.08

PP45 could fail at low temperatures

Low temperatures can cause a timer on the CPU to stop running. This problem can only be corrected by resetting the timer.

ID#400055836 : new function planned for ARSG4_4.00.8_H04.00

PP45 could fail at low temperatures

Low temperatures can cause a timer on the CPU to stop running. This problem can only be corrected by resetting the timer.

Diagnose - Debugger

ID#400053447 : solved problem, known since V3.00.81.20 SP01, solved since ARSG4_3.07.6_F03.07

In some circumstances, the watchdog may be triggered during debugging because a required system resource (Mutex) is not available

ID# 400035047, 400036404 : solved problem, known since ARSG4_3.08.25_Y03.08, solved since ARSG4_4.00.11_K04.00

If a breakpoint is reached in the INIT SP, then it is no longer possible to leave the breakpoint. Execute (F5), Step Over (F10) or Step Into (F11) do not have an affect.

ID#400037524 : solved problem, known since V3.00.80.25, solved since ARSG4_3.08.3_C03.08

Error "9098 - System I/O cross-link task cycle time violation" is generated when a a SafePLC and standard PLC are linked and a breakpoint is set on the standard PLC.

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 - Logger

ID#400057809 : solved problem, known since , solved since ARSG4_3.08.6_F03.08

Using logger functions in fast task classes can lead to cycle time violations

Due to the copying required, using logger functions in fast task classes can lead to cycle time violations.

ID#400057809 : solved problem, known since ARSG4_3.01.8_H03.01, solved since ARSG4_4.00.7_G04.00

Using logger functions in fast task classes can lead to cycle time violations

Due to the copying required, using logger functions in fast task classes can lead to cycle time violations.

Diagnose - SDM

ID#400065562 : solved problem, known since ARSG4_3.07.6_F03.07, solved since ARSG4_3.07.7_G03.07

SDM 1 (Automation Studio 3.0.80) doesn't work with Firefox 4.0 and higher

The first version of the System Diagnostics Manager (SDM), delivered with Automation Studio 3.00.80 / 3.00.81 doesn't work correctly with Firefox version 4.0 or higher.
Customers who use Firefox 4.0 or higher need to switch to SDM 2, provided with Automation Studio 3.00.90.

ID#400053957 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.4_D03.07

Time calculation incorrect for logger entries in SDM

When time zones were used, calculation of the local time for logger entries in SDM was incorrect. This has been corrected.

ID#400053957 : solved problem, known since unbekannt, solved since ARSG4_3.08.5_E03.08

Time calculation incorrect for logger entries in SDM

When time zones were used, calculation of the local time for logger entries in SDM was incorrect. This has been corrected.

ID#400013287 : new function since ARSG4_3.08.9_I03.08

Use the Diagnostics System Manager to list modules' diagnostics data points

The System Diagnostics Manager can be used to save all of a module's diagnostic data points in a system dump.

Diagnose - Tracer

ID# 400053004, 400052525 : solved problem, known since V3.00.81.18, solved since ARSG4_3.07.6_F03.07

Trigger condition not working

If a trace with trigger condition is installed in the trace editor, then the trace will begin after the defined trigger event and automatically stop as soon as the buffer is full. If the trace is started again using the "Trace / Start" option in the main menu, the Start option in the shortcut menu or the "green traffic light" button, then the trace will be extremely slow or will not be started correctly.

ID# 400053004, 400052525 : solved problem, known since V3.00.81.18, solved since ARSG4_3.08.8_H03.08

Trigger condition not working

If a trace with trigger condition is installed in the trace editor, then the trace will begin after the defined trigger event and automatically stop as soon as the buffer is full. If the trace is started again using the "Trace / Start" option in the main menu, the Start option in the shortcut menu or the "green traffic light" button, then the trace will be extremely slow or will not be started correctly.

ID# 400053004, 400052525 : solved problem, known since V3.00.81.18, solved since ARSG4_4.00.8_H04.00

Trigger condition not working

If a trace with trigger condition is installed in the trace editor, then the trace will begin after the defined trigger event and automatically stop as soon as the buffer is full. If the trace is started again using the "Trace / Start" option in the main menu, the Start option in the shortcut menu or the "green traffic light" button, then the trace will be extremely slow or will not be started correctly.

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 - CANIO

ID#400039937 : solved problem, known since V3.00.80.25, solved since ARSG4_3.07.6_F03.07

CANIO slaves are not always found after startup

ID#400039937 : solved problem, known since V3.00.80.25, solved since ARSG4_3.08.8_H03.08

CANIO slaves are not always found after startup

ID#400039937 : solved problem, known since V3.00.80.25, solved since ARSG4_4.00.8_H04.00

CANIO slaves are not always found after startup

IO System - CANopen

ID#400060887 : solved problem, known since V3.00.81.22 SP01, solved since ARSG4_3.07.6_F03.07

CANopen slave not started by the master if it sends only an emergency telegram with data =0 instead of a Boot-Up message

ID#400060887 : solved problem, known since V3.00.81.22 SP01, solved since ARSG4_3.08.8_H03.08

CANopen slave not started by the master if it sends only an emergency telegram with data =0 instead of a Boot-Up message

ID#400056381 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.4_D03.07

Priority of CANopen master can be configured

The user can configure the priority of the CANopen master in order to adjust the system load for a particular application.

ID#400056381 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.5_E03.08

Priority of CANopen master can be configured

The user can configure the priority of the CANopen master in order to adjust the system load for a particular application.

ID#400056272 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.5_E04.00

Priority of CANopen master can be configured

The user can configure the priority of the CANopen master in order to adjust the system load for a particular application.

ID#400060887 : new function since ARSG4_4.00.8_H04.00

CANopen slave not started by the master if it sends only an emergency telegram with data =0 instead of a Boot-Up message

IO System - General

ID#400064601 : solved problem, known since ARSG4_3.08.8_H03.08, solved since ARSG4_3.08.10_J03.08

Insufficient logbook entry when ArConfig has double channels/QLinks.

If the ArConfig contains double channels or QLinks, then Error 30965 "No name specification" appears, which hardly explains the actual cause of the error.

ID#400064601 : solved problem, known since ARSG4_3.08.8_H03.08, solved since ARSG4_4.00.10_J04.00

Insufficient logbook entry when ArConfig has double channels/QLinks.

If the ArConfig contains double channels or QLinks, then Error 30965 "No name specification" appears, which hardly explains the actual cause of the error.

ID#400028352 : solved problem, known since ARSG4_3.00.15_O03.00, solved since ARSG4_3.08.9_I03.08

If global variables mapped to I/O points receive new addresses due to a change to the project, it is possible that the variable values are no longer transferred to the I/O points.

ID#400058109 : solved problem, known since V3.00.81.22 SP01, solved since ARSG4_3.07.6_F03.07

It can take very long to install I/O mappings, which can result in the connection being terminated due to a time violation.

ID#400058109 : solved problem, known since V3.00.81.22 SP01, solved since ARSG4_3.08.7_G03.08

It can take very long to install I/O mappings, which can result in the connection being terminated due to a time violation.

ID#400058109 : solved problem, known since V3.00.81.22 SP01, solved since ARSG4_4.00.7_G04.00

It can take very long to install I/O mappings, which can result in the connection being terminated due to a time violation.

ID#400057340 : solved problem, known since ARSG4_3.07.2_B03.07, solved since ARSG4_4.00.6_F04.00

POWERLINK reports error 27306 when starting a visualization application

When initializing the graphics card, the SOC interrupt is delayed, which causes an I/O cycle time violation to be reported. Since cyclic data is not transferred in this early boot phase, I/O cycle time violations are now only evaluated after the beginning of cyclic data transfer.

ID#400057340 : solved problem, known since ARSG4_3.07.2_B03.07, solved since ARSG4_3.08.6_F03.08

POWERLINK reports error 27306 when starting a visualization application

When initializing the graphics card, the SOC interrupt is delayed, which causes an I/O cycle time violation to be reported. Since cyclic data is not transferred in this early boot phase, I/O cycle time violations are now only evaluated after the beginning of cyclic data transfer.

ID#400057340 : solved problem, known since ARSG4_3.07.2_B03.07, solved since ARSG4_3.07.4_D03.07

POWERLINK reports error 27306 when starting a visualization application

When initializing the graphics card, the SOC interrupt is delayed, which causes an I/O cycle time violation to be reported. Since cyclic data is not transferred in this early boot phase, I/O cycle time violations are now only evaluated after the beginning of cyclic data transfer.

ID#400057827 : solved problem, known since ARSG4_3.07.1_A03.07, solved since ARSG4_3.07.4_D03.07

Maximum number of device handles exceeded with approx. 400 safety modules

A setup with approx. 400 safety modules and an X20CP1485 ran out of device handles, which is indicated in the logbook by Error 26003 "AR-DevMan: no free admin entry". The maximum number of device instances has been increased and is now 2.5 times higher

ID# 400053665, 400054105, 400055244 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.2_B03.07

I/O cycle time violation during startup due to initialization of graphic card

During the startup of the CPU with a highly utilized PCI bus a IO cycle time voilation 27306 could be triggerd by the initialization of the visualization tasks. IO cycle time voilations in early startup phases are now catched by the system.

ID# 400028352, 400065604 : solved problem, known since ARSG4_3.00.15_O03.00, solved since ARSG4_3.08.9_I03.08

If global variables mapped to I/O points receive new addresses due to a change to the project, it is possible that the variable values are no longer transferred to the I/O points.

IO System - ModbusTCP

ID#400060899 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.07.6_F03.07

Due to an error in the task queue of the Modbus driver, packages that are received may no longer be allocated to the sent queries, thereby causing a connection timeout.

ID#400060899 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.08.8_H03.08

Due to an error in the task queue of the Modbus driver, packages that are received may no longer be allocated to the sent queries, thereby causing a connection timeout.

ID#400060899 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_4.00.8_H04.00

Due to an error in the task queue of the Modbus driver, packages that are received may no longer be allocated to the sent queries, thereby causing a connection timeout.

ID#400051942 : solved problem, known since unbekannt, solved since ARSG4_3.07.5_E03.07

ModbusTCP doesn't start all slaves

The problem is caused when there are no sockets available when establishing the connection. The ModbusTCP driver doesn't finish the initialization.

ID#400051942 : solved problem, known since unbekannt, solved since ARSG4_4.00.7_G04.00

ModbusTCP doesn't start all slaves

The problem is caused when there are no sockets available when establishing the connection. The ModbusTCP driver doesn't finish the initialization.

ID#400051942 : solved problem, known since unbekannt, solved since ARSG4_3.08.6_F03.08

ModbusTCP doesn't start all slaves

The problem is caused when there are no sockets available when establishing the connection. The ModbusTCP driver doesn't finish the initialization.

ID#400048959 : solved problem, known since ARSG4_2.96.10_J02.96, solved since ARSG4_3.07.5_E03.07

ModbusTCP master doesn't work on AC141

IO System - netX

ID#400069009 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.08.15_O03.08

VC application blocks netX data communication

A priority problem interrupts netX data collection in the rhythm of the default update time of the data source.

ID#400069009 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_4.00.15_O04.00

VC application blocks netX data communication

A priority problem interrupts netX data collection in the rhythm of the default update time of the data source.

ID#400065361 : solved problem, known since ARSG4_3.07.3_C03.07, solved since ARSG4_3.07.7_G03.07

IF1063-1 doesn't work on the BC1083

IO System - Powerlink

ID#400068763 : solved problem, known since ARSG4_3.08.11_K03.08, solved since ARSG4_4.00.16_P04.00

Naming of POWERLINK devices from other vendors in AsIODiag

The function blocks of the Library AsIODiag returned "plk_any" or "epl_any" for POWERLINK-Devices from other vendors than B&R in former versions.
The current Automation Runtime returns device names in the format "u%xV%x-unknown" where the first %x is replaced with the device identifier and the second %x is replaced by the vendor identifier.
Only if the option "Verify Device Type" is switched off, devices configured by XDD-Import will return "epl_any".

ID#400068763 : solved problem, known since ARSG4_3.08.11_K03.08, solved since ARSG4_3.08.14_N03.08

Naming of POWERLINK devices from other vendors in AsIODiag

The function blocks of the Library AsIODiag returned "plk_any" or "epl_any" for POWERLINK-Devices from other vendors than B&R in former versions.
The current Automation Runtime returns device names in the format "u%xV%x-unknown" where the first %x is replaced with the device identifier and the second %x is replaced by the vendor identifier.
Only if the option "Verify Device Type" is switched off, devices configured by XDD-Import will return "epl_any".

ID#400060016 : solved problem, known since ARSG4_3.07.2_B03.07, solved since ARSG4_4.00.16_P04.00

Error 26051 in logbook when X20CS2770 after X20BCx083 on APC or Power Panel

If CANIO is enabled on both CAN interfaces of an X20CS2770 device being operated downstream from an X20BCx083 device, which itself is downstream from an APC or Power Panel, the error message "26051 AR-DD: xDeviceInit() error" is entered in the logbook.
Starting with AR K4.00, CANIO can be run on both CAN interfaces.

ID#258192 : solved problem, known since ARSG4_3.07.2_B03.07, solved since ARSG4_4.00.11_K04.00

Firmware Update for SafeMC did not complete.

Due to a change in A4.00, the firmware update for SafeMC modules doesn't complete. The R/E LED for SafeMC modules continues to double-blink green.
Starting with J4.00, the firmware update for SafeMC modules functions correctly again.

ID#400065239 : solved problem, known since ARSG4_3.07.2_B03.07, solved since ARSG4_3.07.7_G03.07

Firmware Update for SafeMC did not complete.

Due to a change in B3.07, the firmware update for SafeMC modules doesn't complete. The R/E LED for SafeMC modules continues to double-blink green.
Starting with G3.07, the firmware update for SafeMC modules functions correctly again.

ID#400061758 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.14_N03.08

ACOPOS synchronization problem 6002 in cascading POWERLINK networks when POWERLINK cycle time > 2ms

If a CPU with a system cycle time >2ms is synchronized as iCN with a higher level POWERLINK network, and ACOPOS stations with a POWERLINK cycle time >2ms are operated on a second POWERLINK interface, then the error 6002 can occur on the ACOPOS if the MN of the higher level POWERLINK network is still not active when the controller is started up.
Starting with AR version H3.08, the algorithm for starting synchronization upon startup has been improved so that the ACOPOS firmware can also be synchronized at startup even when there are very long cycle times and the MN has not been activated.

ID#251322 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.9_I04.00

POWERLINK: ACOPOSmulti with SafeMC as chained station

ACOPOSmulti with SafeMC didn't work as a chained station.

ID#251317 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.5_E03.07

POWERLINK: ACOPOSmulti with SafeMC as chained station

ACOPOSmulti with SafeMC didn't work as a chained station.

ID#400060965 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.5_E03.07

POWERLINK: ACOPOSmulti with SafeMC as chained station

ACOPOSmulti with SafeMC didn't work as a chained station.

ID#400060016 : solved problem, known since ARSG4_3.07.2_B03.07, solved since ARSG4_3.08.12_L03.08

Error 26051 in logbook when X20CS2770 after X20BCx083 on APC or Power Panel

If CANIO is enabled on both CAN interfaces of an X20CS2770 device being operated downstream from an X20BCx083 device, which itself is downstream from an APC or Power Panel, the error message "26051 AR-DD: xDeviceInit() error" is entered in the logbook.
Starting with AR K3.08, CANIO can be run on both CAN interfaces.

ID#400068762 : new function since ARSG4_3.08.12_L03.08

Read ACOPOS device type using AsIODiag function block

Starting with ACOPOS OS 2.28.0, the ACOPOS device type can be read using the function blocks of the AsIODiag library.

ID#237362 : new function since ARSG4_3.08.2_B03.08

Logbook entry for firmware update now contains old and new version

When the firmware for POWERLINK stations is updated, both the old and new version numbers are noted in the logbook

ID#400040758 : new function since ARSG4_3.08.2_B03.08

Old and new firmware version entered in logbook

If the firmware on a POWERLINK V2 station is updated, the old and new firmware versions are now entered in the logbook, like they are for POWERLINK V1.

ID# 400009063, 400065339 : new function since ARSG4_3.07.8_H03.07

Find unconfigured POWERLINK stations with ASIODiag

Unconfigured POWERLINK stations can now be found using the ASIODiag library.

IO System - Profibus

ID#400053732 : solved problem, known since V3.00.81.18, solved since ARSG4_3.07.4_D03.07

Priority of Profibus master can be configured

The user can configure the priority of the Profibus master in order to adjust the system load for a particular application.

ID#400053732 : solved problem, known since V3.00.81.18, solved since ARSG4_3.08.5_E03.08

Priority of Profibus master can be configured

The user can configure the priority of the Profibus master in order to adjust the system load for a particular application.

ID#400053732 : solved problem, known since V3.00.81.18, solved since ARSG4_4.00.5_E04.00

Priority of Profibus master can be configured

The user can configure the priority of the Profibus master in order to adjust the system load for a particular application.

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.

Library - AsARCfg

ID#400047724 : solved problem, known since ARSG4_3.01.9_I03.01, solved since ARSG4_3.07.5_E03.07

When multiple Ethernet interfaces are used, interference in the routing table causes Error 29004 when the function block CfgSetDefaultGateway() is called

ID#400047724 : solved problem, known since ARSG4_3.01.9_I03.01, solved since ARSG4_3.08.6_F03.08

When multiple Ethernet interfaces are used, interference in the routing table causes Error 29004 when the function block CfgSetDefaultGateway() is called

ID# -, 400047408, 400049937 : solved problem, known since V3.00.81.12, solved since ARSG4_3.07.5_E03.07

Error 29009 occurs when reading the default gateway

ID# -, 400047408, 400049937 : solved problem, known since V3.00.81.12, solved since ARSG4_3.08.6_F03.08

Error 29009 occurs when reading the default gateway

ID#400047724 : solved problem, known since ARSG4_3.01.9_I03.01, solved since ARSG4_4.00.6_F04.00

When multiple Ethernet interfaces are used, interference in the routing table causes Error 29004 when the function block CfgSetDefaultGateway() is called

ID#400057746 : solved problem, known since ARSG4_3.06.4_D03.06, solved since ARSG4_3.07.5_E03.07

Calling the function block CfgSetEthConfigMode() with the same mode that is already in use triggers Error 29003

ID#400057746 : solved problem, known since ARSG4_3.06.4_D03.06, solved since ARSG4_3.08.6_F03.08

Calling the function block CfgSetEthConfigMode() with the same mode that is already in use triggers Error 29003

ID#400057746 : solved problem, known since ARSG4_3.06.4_D03.06, solved since ARSG4_3.07.5_E03.07

Calling the function block CfgSetEthConfigMode() with the same mode that is already in use triggers Error 29003

ID# -, 400047408, 400049937 : solved problem, known since V3.00.81.12, solved since ARSG4_3.07.5_E03.07

Error 29009 occurs when reading the default gateway

Library - AsARLog

ID#400059082 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.6_F03.08

Creating a new logger module using AsArLogCreate() deletes any existing tasks with the same name

ID#400059082 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.6_F04.00

Creating a new logger module using AsArLogCreate() deletes any existing tasks with the same name

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 - AsCANopen

ID#400064575 : solved problem, known since ARSG4_3.07.3_C03.07, solved since ARSG4_3.07.7_G03.07

Attempt to download AsCANopen library to ARsim rejected with error 9650 "Library function not available"

ID#400064575 : solved problem, known since ARSG4_3.07.3_C03.07, solved since ARSG4_3.08.10_J03.08

Attempt to download AsCANopen library to ARsim rejected with error 9650 "Library function not available"

ID#400064575 : solved problem, known since ARSG4_3.07.3_C03.07, solved since ARSG4_4.00.10_J04.00

Attempt to download AsCANopen library to ARsim rejected with error 9650 "Library function not available"

ID#400055214 : solved problem, known since ARSG4_3.01.8_H03.01, solved since ARSG4_3.07.4_D03.07

Using CANopenNMT() can prevent a task download from completing

As a result the section of code for releasing the semaphore is not executed. The second time this function is called it is blocked by the semaphore and the task can't be completely transferred.

ID#400055214 : solved problem, known since ARSG4_3.01.8_H03.01, solved since ARSG4_3.08.4_D03.08

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As a result the section of code for releasing the semaphore is not executed. The second time this function is called it is blocked by the semaphore and the task can't be completely transferred.

ID#400055214 : solved problem, known since ARSG4_3.01.8_H03.01, solved since ARSG4_4.00.4_D04.00

Using CANopenNMT() can prevent a task download from completing

As a result the section of code for releasing the semaphore is not executed. The second time this function is called it is blocked by the semaphore and the task can't be completely transferred.

ID#400054457 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.3_C03.07

CANopenSDOWriteData() terminates after downloading several hundred bytes due to a full CAN buffer

ID#400054457 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.4_D03.08

CANopenSDOWriteData() terminates after downloading several hundred bytes due to a full CAN buffer

ID#400054457 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.4_D04.00

CANopenSDOWriteData() terminates after downloading several hundred bytes due to a full CAN buffer

ID#400055463 : solved problem, known since ARSG4_3.01.9_I03.01, solved since ARSG4_3.07.3_C03.07

CANopenSDOWrite8() only sends every second SDO

ID#400055463 : solved problem, known since ARSG4_3.01.9_I03.01, solved since ARSG4_3.08.4_D03.08

CANopenSDOWrite8() only sends every second SDO

ID#400055463 : solved problem, known since ARSG4_3.01.9_I03.01, solved since ARSG4_4.00.3_C04.00

CANopenSDOWrite8() only sends every second SDO

ID#400054360 : solved problem, known since V3.00.81.20 SP01, solved since ARSG4_3.07.2_B03.07

With the function block CanOpenGetState(), when enable=FALSE the function block freezes during execution

ID#400054360 : solved problem, known since V3.00.81.20 SP01, solved since ARSG4_3.08.3_C03.08

With the function block CanOpenGetState(), when enable=FALSE the function block freezes during execution

ID#400054360 : solved problem, known since V3.00.81.20 SP01, solved since ARSG4_4.00.3_C04.00

With the function block CanOpenGetState(), when enable=FALSE the function block freezes during execution

Library - AsEPL

ID#400055409 : solved problem, known since ARSG4_3.01.9_I03.01, solved since ARSG4_3.08.12_L03.08

EplSDORead() stays in the status "Busy" after the enable FB is set to FALSE

ID#400055409 : solved problem, known since ARSG4_3.01.9_I03.01, solved since ARSG4_3.08.14_N03.08

EplSDORead() stays in the status "Busy" after the enable FB is set to FALSE

Library - AsIMA

ID#400050977 : solved problem, known since unbekannt, solved since ARSG4_3.08.8_H03.08

AsIMA doesn't adjust for daylight savings time when reading the time from a peer station

ID#400050977 : solved problem, known since unbekannt, solved since ARSG4_4.00.8_H04.00

AsIMA doesn't adjust for daylight savings time when reading the time from a peer station

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 - AsIODiag

ID#257265 : new function since ARSG4_3.08.16_P03.08

Detection of POWERLINK hardware using AS-IO-Diag

In the past, when POWERLINK devices from other manufacturers were detected, the function block DiagGetStrInfo with infoCode asdiagPLUGGED_MODULE returned the string "epl_any".
Starting with AR N3.08, devices from other manufacturers will return a string with the format "u% xV% x-PL-unknown", where the first %x represents the hexadecimal product code and the second %x represents the hexadecimal vendor ID.

If the function for checking the vendor ID and product code is enabled and these codes match the detected POWERLINK device, then the model number of the configured device is applied so that the strings returned with the infoCodes asdiagCONFIG_MODULE and asdiagPLUGGED_MODULE match.

ID#253632 : new function since ARSG4_4.00.16_P04.00

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Starting with AR N4.00, devices from other manufacturers will return a string with the format "u% xV% x-PL-unknown", where the first %x represents the hexadecimal product code and the second %x represents the hexadecimal vendor ID.

If the function for checking the vendor ID and product code is enabled and these codes match the detected POWERLINK device, then the model number of the configured device is applied so that the strings returned with the infoCodes asdiagCONFIG_MODULE and asdiagPLUGGED_MODULE match.

Library - AsL2DP

ID#400030702 : new function since ARSG4_4.00.11_K04.00

New function block L2DPGetNode() for reading Profibus station number

ID#400030702 : new function since ARSG4_4.00.11_K04.00

New function block L2DPGetNode() for reading Profibus station number

Library - AsMem

ID# 400007099, 400044198 : solved problem, known since V2.7.0.0010 SP03, solved since ARSG4_3.08.6_F03.08

AsMemPartFree returned -8 byte free memory size

The function block AsMemPartFree for requesting the free memory size of a memory partition created with AsMemPartFree returned the value numByteFree = 4294967288 (= 16#FFFFFFF8 = -8), if the whole memory was allocated.

ID# 400007099, 400044198 : solved problem, known since V2.7.0.0010 SP03, solved since ARSG4_4.00.6_F04.00

AsMemPartFree returned -8 byte free memory size

The function block AsMemPartFree for requesting the free memory size of a memory partition created with AsMemPartFree returned the value numByteFree = 4294967288 (= 16#FFFFFFF8 = -8), if the whole memory was allocated.

ID#245157 : new function since ARSG4_4.00.6_F04.00

The value specified for AsMemPartCreate now corresponds to the largest allocated block

The value entered for AsMemPartCreate is rounded up to the closest multiple of 8, and then matches the largest allocated block. In older versions of AR, the management overhead of up to 112 bytes was also taken from the created partition.

Library - AsNxCoM

ID#400062449 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.07.7_G03.07

When using multiple netX CANopen master modules, a different handle is used for each module, which speeds up asynchronous function block processing.

ID#400062449 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.08.10_J03.08

When using multiple netX CANopen master modules, a different handle is used for each module, which speeds up asynchronous function block processing.

ID#400062449 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_4.00.10_J04.00

When using multiple netX CANopen master modules, a different handle is used for each module, which speeds up asynchronous function block processing.

Library - AsUSB

ID#400051015 : solved problem, known since ARSG4_3.07.1_A03.07, solved since ARSG4_3.07.3_C03.07

Support for Cino F788-G barcode scanner

ID#400051015 : solved problem, known since ARSG4_3.07.1_A03.07, solved since ARSG4_3.08.4_D03.08

Support for Cino F788-G barcode scanner

ID#400051015 : solved problem, known since ARSG4_3.07.1_A03.07, solved since ARSG4_4.00.6_F04.00

Support for barcode scanner Cino F788-G

Library - AsXML

ID#400054911 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.07.2_B03.07

Function blocks from AsXML library ignore enable input

ID#400054911 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.3_C03.08

Function blocks from AsXML library ignore enable input

ID#400054911 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.4_D04.00

Function blocks from AsXML library ignore enable input

Library - CAN_lib

ID#400060652 : solved problem, known since ARSG4_3.07.3_C03.07, solved since ARSG4_3.07.5_E03.07

CANrwtab() returns invalid data

When CAN telegrams with fewer than 8 bytes are received, 8 are always written to the recieve buffer (unused bytes are not written with 0).

ID#400060652 : solved problem, known since ARSG4_3.07.3_C03.07, solved since ARSG4_3.08.7_G03.08

CANrwtab() returns invalid data

When CAN telegrams with fewer than 8 bytes are received, 8 are always written to the recieve buffer (unused bytes are not written with 0).

ID#400060652 : solved problem, known since ARSG4_3.07.3_C03.07, solved since ARSG4_4.00.7_G04.00

CANrwtab() returns invalid data

When CAN telegrams with fewer than 8 bytes are received, 8 are always written to the recieve buffer (unused bytes are not written with 0).

Library - FileIO

ID#400069276 : solved problem, known since ARSG4_3.08.10_J03.08, solved since ARSG4_3.07.9_I03.07

Using a handle that has already been closed can cause a page fault (read, write, or close on a handle)

ID#400069276 : solved problem, known since ARSG4_3.08.10_J03.08, solved since ARSG4_3.08.14_N03.08

Using a handle that has already been closed can cause a page fault (read, write, or close on a handle)

ID#400069276 : solved problem, known since ARSG4_3.08.10_J03.08, solved since ARSG4_4.00.14_N04.00

Using a handle that has already been closed can cause a page fault (read, write, or close on a handle)

ID#400060157 : solved problem, known since ARSG4_2.96.12_L02.96, solved since ARSG4_3.07.6_F03.07

The status BUSY can remain set for up to 120 minutes if the connection is lost when using the function block DirInfo() over a network

ID#400060157 : solved problem, known since ARSG4_2.96.12_L02.96, solved since ARSG4_3.08.9_I03.08

The status BUSY can remain set for up to 120 minutes if the connection is lost when using the function block DirInfo() over a network

ID#400051743 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.2_B03.08

If no destination directory is specified for DirCopy(), copying to ARsim doesn't work.

ID#400048318 : new function since ARSG4_3.08.11_K03.08

New function blocks FileWriteEx() and FileTruncate()

ID#400063458 : new function since ARSG4_3.08.10_J03.08

DevLink() blocks other file actions for a relatively long time

ID#400038864 : new function since ARSG4_3.08.9_I03.08

Function blocks now return the error 20709 (fiERR_FILE_DEVICE) if a device is not present

ID#400063458 : new function since ARSG4_4.00.10_J04.00

DevLink() blocks other file actions for a relatively long time

ID#400048318 : new function since ARSG4_4.00.11_K04.00

New function blocks FileWriteEx() and FileTruncate()

ID#400038864 : new function since ARSG4_4.00.10_J04.00

Function blocks now return the error 20709 (fiERR_FILE_DEVICE) if a device is not present

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

Library - SYS_lib

ID#400011003 : solved problem, known since ARSG4_4.00.3_C04.00, solved since ARSG4_4.00.6_F04.00

TIM_musec returns incorrect time when the system tick isn't a whole number multiple or factor of 10 milliseconds

If the system tick is not a real factor or whole number multiple of 10 milliseconds, then the microsecond counter is not reset after exactly 10 milliseconds as specified.
For example, with a system tick of 1600µs it is reset after 9600µs (6x1600) or 11200µs (7x1600).

The AsIOTimeStamp() function from the AsIOTime library is better suited for time measurements.

ID#400011003 : solved problem, known since ARSG4_3.08.4_D03.08, solved since ARSG4_3.08.6_F03.08

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The AsIOTimeStamp() function from the AsIOTime library is better suited for time measurements.

System - ANSL

ID#400055699 : solved problem, known since V3.00.81.22 SP01, solved since ARSG4_4.00.8_H04.00

VC Windows Terminal: Changes to Enum variables are not updated on the terminal, but changes from the terminal are updated on the CPU

System - Firmware

ID#257430 : solved problem, known since ARSG4_3.01.11_K03.01, solved since ARSG4_3.07.6_F03.07

PP065 in combination with a 4PP065.IF23-1 no longer booting due to a faulty flash access after a firmware update

ID#257375 : solved problem, known since ARSG4_3.01.11_K03.01, solved since ARSG4_3.08.10_J03.08

PP065 in combination with a 4PP065.IF23-1 no longer booting due to a faulty flash access after a firmware update

ID#400059335 : solved problem, known since unbekannt, solved since ARSG4_3.07.6_F03.07

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

ID#400059335 : solved problem, known since unbekannt, solved since ARSG4_3.08.10_J03.08

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 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.08.4_D03.08

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

ID#400048657 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.3_C04.00

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

ID#400037284 : new function since ARSG4_3.08.10_J03.08

Improved response time for PP065 touch screen

ID#400037284 : new function planned for ARSG4_3.07.2_B03.07

Improved response time for PP065 touch screen

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#400037284 : new function since ARSG4_3.07.2_B03.07

Improved response time for PP065 touch screen

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

System - FTP Server

ID#400055971 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_4.00.9_I04.00

ARemb terminates INA connection if an attempt is made to access a non-existing partition via FTP

System - OPC

ID#400055614 : solved problem, known since PVI3.00.00.3119, solved since ARSG4_3.08.8_H03.08

"VT_DATE local" wrong for DCOM routines - in leap years the date is offset by one day

ID#400055610 : solved problem, known since ARSG4_3.07.1_A03.07, solved since ARSG4_3.08.8_H03.08

DT and DATE_AND _TIME variables are converted incorrectly by VT_DATE when they are written.

ID#400055610 : solved problem, known since ARSG4_3.07.1_A03.07, solved since ARSG4_4.00.8_H04.00

DT and DATE_AND _TIME variables are converted incorrectly by VT_DATE when they are written.

ID#400055614 : solved problem, known since PVI3.00.00.3119, solved since ARSG4_4.00.8_H04.00

"VT_DATE local" wrong for DCOM routines - in leap years the date is offset by one day

ID#400046414 : solved problem, known since ARSG4_3.06.3_C03.06, solved since ARSG4_3.07.1_A03.07

Pagefault / Memory not in heap

Incorrect handling of strings leads to page fault or "Memory not in heap" errors.

System - WebServer

ID#400057308 : solved problem, known since ARSG4_3.01.9_I03.01, solved since ARSG4_3.07.5_E03.07

Target crashes with page fault in the web server module when an ASP write command is run from a website with more than 9 variables.

ID#400052213 : solved problem, known since V3.00.80.31 SP01, solved since ARSG4_3.08.11_K03.08

ENUM data types in ASP functions

With the current version of AR, it is now possible to use ENUM data types in HTML pages via ASP functions.

ID#400057308 : solved problem, known since ARSG4_3.01.9_I03.01, solved since ARSG4_3.08.11_K03.08

Target crashes with page fault in the web server module when an ASP write command is run from a website with more than 9 variables.

ID#400053444 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.07.3_C03.07

Variable values sometimes displayed incorrectly on ASP pages

On large ASP pages, some PV values are not evaluated correctly by the respective ASP function.
As a result, the HTML page displays illegible special characters instead of the actual PV value.
This error has been corrected.

ID#400053444 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.08.8_H03.08

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ID#400049979 : solved problem, known since ARSG4_3.01.7_G03.01, solved since ARSG4_3.07.4_D03.07

SDM - Update problems with dynamic page content

If a PC has multiple connections to the SDM (via multiple browser windows or multiple tabs within one browser), then dynamic SVG pages (CPU temperature, CPU load) are not updated continuously. This problem has been corrected.

ID#400053444 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_4.00.8_H04.00

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ID#400049979 : solved problem, known since ARSG4_3.01.7_G03.01, solved since ARSG4_3.08.5_E03.08

SDM - Update problems with dynamic page content

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Build - Transfer To Target

ID#400062152 : solved problem, known since V3.00.81.24 SP0x, solved since ARSG4_3.07.3_C03.07

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