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
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
400055836	New function	-	-	PP45 could fail at low temperatures
400055836	New function	-	-	PP45 could fail at low temperatures
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
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
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
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
400046213	Problem	ARSG4_3.06.5_E03.06	ARSG4_3.06.3_C03.06	EX350 modules that are configured but not connected hinder other 2005 system modules
400031607	Problem	ARSG4_3.06.4_D03.06	ARSG4_3.06.1_A03.06	Index of Emergency COB IDs can't be overwritten
208190	Problem	ARSG4_3.06.4_D03.06	ARSG4_3.00.12_L03.00	Size limit in the System Diagnostics Manager hardware display
400044495	Problem	ARSG4_3.06.2_B03.06	ARSG4_3.06.1_A03.06	Logbook entry 33300 when ARsim is started in Windows 7 64-bit
229222	Problem	ARSG4_3.06.1_A03.06	ARSG4_3.05.2_B03.05	Logbook entry ERR_DDIOPLK_WRITEPARAM 30296 showed value 0 at Offset 8 in binary data
400042036	Problem	ARSG4_3.06.1_A03.06	ARSG4_3.00.22_V03.00	When the connection to the terminal interface IP fails, the ARwin doesn't start
400031708	New function	ARSG4_3.05.2_B03.05	V3.00.80.22	AsArRead() supports 0 for the parameter lenBin, memBin, lenAscii and memAscii - when 0 is transferred, the respective data isn't copied
400039697	New function	ARSG4_3.05.2_B03.05	-	New functions in ARwin console
400036902	Problem	ARSG4_3.05.2_B03.05	ARSG4_3.00.22_V03.00	If an empty string is written to the AR OPC server, a page fault occurs
400024449	Problem	ARSG4_3.05.1_A03.05	ARSG4_3.04.2_B03.04	Attempting to copy a directory to a subordinate directory is no longer permitted, and generates the error fiERR_INVALID_PATH
400038170	New function	ARSG4_3.05.1_A03.05	ARSG4_3.00.22_V03.00	New AsSNMP library
400031184	Problem	ARSG4_3.04.5_E03.04	V3.0.71.32 SP06	Memory requirements of local remanent variables when copying the PV values in Copy Mode
400019086	Problem	ARSG4_3.04.5_E03.04	V2.7.0.0015 SP08	Newly created global variables are always initialized with 0 during download in Copy Mode instead of with the corresponding initialization value
400019096	Problem	ARSG4_3.04.5_E03.04	V2.6.0.0012 SP02	Copy Mode supports the acceptance of structure elements starting with AR E3.04
400012433	New function	ARSG4_3.04.4_D03.04	V3.0.71.20 SP02	New function blocks: CANopenSDOReadData(), CANopenSDOWriteData()
400032621	Problem	ARSG4_3.04.4_D03.04	ARSG4_2.95.19_S02.95	In PIC mode, programs that change the resolution of the NT timer can reduce the network performance of the ARwin ETH interface.
400027971	Problem	ARSG4_3.04.2_B03.04	V3.0.71.31 SP05	DirRead() reads the wrong time local time is not considered
400026881	Problem	ARSG4_3.04.2_B03.04	ARSG4_3.00.13_M03.00	When the SemCreate() function block from the AsSem library is called with the parameter values initCount = maxCount, the function block reports the Status 33320 (semaphore could not be generated).
400046190, 400041900	Problem	ARSG4_3.01.9_I03.01	ARSG4_3.06.22_V03.06	Upgrade to AR Version E3.01 can cause the CPU to continuously reboot
400051264	Problem	ARSG4_3.01.9_I03.01	ARSG4_3.06.22_V03.06	Static routing doesn't work with DHCP
400049393	Problem	ARSG4_3.01.9_I03.01	ARSG4_3.01.7_G03.01	Communication places heavy load on the Terminal CPU
400048365, 400048594	Problem	ARSG4_3.01.8_H03.01	V3.00.80.31 SP01	When using the function blocks CANopenSDORead8(), CANopenSDOWrite8(), CANopenSDOReadData() and CANopenSDOWriteData() a watchdog error occurs after running for a longer period of time.
400046272	Problem	ARSG4_3.01.8_H03.01	ARSG4_3.00.22_V03.00	Hyperthreading disturbes real-time behavior
400047219	Problem	ARSG4_3.01.7_G03.01	V3.00.80.29 SP01	CAN exception not executed after calling CANwrite.enable = 0
400046758	Problem	ARSG4_3.01.7_G03.01	V3.00.80.25	CANopen master sends incorrect PDO
235290	Problem	ARSG4_3.01.7_G03.01	ARSG4_3.01.6_F03.01	Error 32244 when using 8AC114.60-2 only in NC Mapping table
400047305	Problem	ARSG4_3.01.7_G03.01	ARSG4_3.01.5_E03.01	Empty string not permitted as attribute value
400047610	Problem	ARSG4_3.01.7_G03.01	ARSG4_3.01.5_E03.01	Terminal variables are not updated when they are initialized after startup.
400046901	Problem	ARSG4_3.01.7_G03.01	ARSG4_3.01.3_C03.01	CANopen system task can cause a cycle time violation, among other things
400041502, 400042654, 400043447	Problem	ARSG4_3.01.6_F03.01	V3.00.80.25	Due to an internal AR management problem, the warning "Mutex Table Overflow" is sometimes entered in the logbook. The application program is not affected by this.
400046704	New function	ARSG4_3.01.6_F03.01	-	After updating ARwin from < V3.00 to V3.00 or higher, the following error appears when the ARwin is started: "bradi.dll fehlt"
400035631	New function	ARSG4_3.01.6_F03.01	-	New function blocks CANopenSDOReadData() and CANopenSDOWriteData()
400045366	New function	ARSG4_3.01.6_F03.01	-	New AsSNMP library
400045929	Problem	ARSG4_3.01.6_F03.01	ARSG4_3.06.2_B03.06	ARsim doesn't work on Windows XP Embedded
400042627	Problem	ARSG4_3.01.6_F03.01	ARSG4_3.04.5_E03.04	Debugging in ARsim causes memory leak
400045626, 400046770	Problem	ARSG4_3.01.6_F03.01	ARSG4_3.01.4_D03.01	ModbusRTU only works for one interface - simultaneous use of multiple interfaces not possible
400043972	Problem	ARSG4_3.01.6_F03.01	ARSG4_3.00.22_V03.00	The maximum number of parallel asynchronous function block calls is limited to 15
400041072	Problem	ARSG4_3.01.5_E03.01	V3.00.80.25	ReadPlc only reads the top two values of 4-byte values.
400043289	Problem	ARSG4_3.01.5_E03.01	ARSG4_3.01.3_C03.01	The webserver cache mechanism doesn't test the file date - as a result, changed data isn't displayed
400042474	Problem	ARSG4_3.01.5_E03.01	ARSG4_3.01.2_B03.01	Depending on the selected timer device, hardware detection may not be completed
400042115	Problem	ARSG4_3.01.5_E03.01	ARSG4_3.00.22_V03.00	Error 28826 when calling the AsL2DP function block with Max_Module > 10 and S7 Profibus
400041949, 400043852	Problem	ARSG4_3.01.5_E03.01	ARSG4_3.00.1_A03.00	When there is a task overload, CANrwtab() doesn't work anymore
400041484	Problem	ARSG4_3.01.4_D03.01	V3.00.80.25	INA routing via POWERLINK doesn't work
400028201	New function	ARSG4_3.01.4_D03.01	V3.0.71.31 SP05	Running a DEVLink() or DEVUnlink() from ARwin on a directory shared in Windows (CIFS) can take up to 30 seconds
400033999	Problem	ARSG4_3.01.4_D03.01	V2.7.0.0019 SP12	Memory leak due to cyclic DevLink() / DevUnlink()

400041569	Problem	ARSG4_3.01.4_D03.01	ARSG4_3.01.2_B03.01	Trace is stopped when the configuration is changed or if the AS connection is lost
400041545	Problem	ARSG4_3.01.4_D03.01	ARSG4_3.01.2_B03.01	On ARsim, calling DirCreate() a second time with the same directory name does not report status 20725, but rather 20709
400037131	Problem	ARSG4_3.01.4_D03.01	ARSG4_3.01.2_B03.01	Receiving a DHCP offer package with the option 81 causes page fault
400041193	Problem	ARSG4_3.01.4_D03.01	ARSG4_3.01.1_A03.01	As soon as a website is accessed that is either write-protected itself or that is inside a write-protected folder, the CPU crashes with a page fault.
400041999	Problem	ARSG4_3.01.4_D03.01	ARSG4_3.00.22_V03.00	Running a DEVLink() or DEVUnlink() from ARwin on a directory shared in Windows (CIFS) can take up to 30 seconds
400039603	Problem	ARSG4_3.01.4_D03.01	ARSG4_3.00.22_V03.00	INA routing via POWERLINK doesn't work
400041410	Problem	ARSG4_3.01.3_C03.01	V3.00.80.25	PDOs and SDOs get lost when using the AsCANopen library and when there is a heavy load on the CPU
400040238	Problem	ARSG4_3.01.3_C03.01	V3.00.80.25	AsIOAccWrite() doesn't work for ACOPOSinverter modules on the Modbus (call BUSY)
400038693	Problem	ARSG4_3.01.3_C03.01	V3.00.80.25	Parameter transfer for "webprint" function doesn't work with AR 3.00 and up. String cut off after "="
400040658	Problem	ARSG4_3.01.3_C03.01	ARSG4_3.01.2_B03.01	When connecting from the server to the client, the client freezes in the step "IMA_CONNECTING"
400039214	Problem	ARSG4_3.01.3_C03.01	ARSG4_3.01.1_A03.01	Because of an internal timing error, the system clock is executed too often, which causes the ARsim to run "too fast"
225099	Problem	ARSG4_3.01.3_C03.01	ARSG4_3.00.22_V03.00	Mapping PVs to I/O is not updated during task overload
400039303	Problem	ARSG4_3.01.3_C03.01	ARSG4_3.00.22_V03.00	POWERLINK: SDO communication interrupted
400038150, 400037974	Problem	ARSG4_3.01.3_C03.01	ARSG4_3.00.22_V03.00	AR OPC server doesn't work on ARwin
400036980	Problem	ARSG4_3.01.2_B03.01	V3.00.80.25	Due to an error calculating the offset, I/O channels are not applied with the setting "Mapping = Channels"
400036104	Problem	ARSG4_3.01.2_B03.01	V3.00.80.25	VC4 > Terminal Mode > Operating the visualization with AS3.00.80 considerably slower than in earlier versions
400036153	Problem	ARSG4_3.01.2_B03.01	ARSG4_3.00.22_V03.00	Using three 5LS182.6-1 in an APC results in the error 32173 "POWERLINK V2: Bind failed".
400037264	Problem	ARSG4_3.01.2_B03.01	ARSG4_3.00.22_V03.00	Task overload causes memory leak
400035047, 400036404	Problem	ARSG4_3.01.2_B03.01	ARSG4_3.00.22_V03.00	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.
400033456	Problem	ARSG4_3.01.2_B03.01	ARSG4_3.00.22_V03.00	Value changes to enumerations are not displayed on the terminal
400032324	Problem	ARSG4_3.01.2_B03.01	ARSG4_3.00.22_V03.00	The AR OPC server can only be accessed via the first Ethernet interface on the target system.
400029923, 400037586	Problem	ARSG4_3.01.2_B03.01	ARSG4_3.00.14_N03.00	Web server doesn't work on User Partition (F:)
257435	Problem	ARSG4_3.01.12_L03.01	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
400053447	Problem	ARSG4_3.01.11_K03.01	V3.00.81.20 SP01	In some circumstances, the watchdog may be triggered during debugging because a required system resource (Mutex) is not available
400051942	Problem	ARSG4_3.01.11_K03.01	-	ModbusTCP doesn't start all slaves
400059335	Problem	ARSG4_3.01.11_K03.01	-	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_3.01.11_K03.01	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.
400048959	Problem	ARSG4_3.01.11_K03.01	ARSG4_2.96.10_J02.96	ModbusTCP master doesn't work on AC141
400053325	Problem	ARSG4_3.01.10_J03.01	V3.00.80.25	The maximum length for the device name when calling DevLink() on ARsim targets has been increased from 128 characters to 256 characters.
400051561	Problem	ARSG4_3.01.10_J03.01	ARSG4_3.06.22_V03.06	Querying whether hyperthreading is active does not work reliably
400055463	Problem	ARSG4_3.01.10_J03.01	ARSG4_3.01.9_I03.01	CANopenSDOWrite8() only sends every second SDO
400052797, 400048509	Problem	ARSG4_3.01.10_J03.01	ARSG4_3.00.22_V03.00	After changing the ARwin IP address using the configurator, the online connection can no longer be established.
400051798	Problem	ARSG4_3.01.10_J03.01	ARSG4_3.00.22_V03.00	ModuleOk detections sometimes takes very long for S44
400044951	Problem	ARSG4_3.01.1_A03.01	ARSG4_3.01.1_A03.01	Page fault caused by AsIOAccWrite on local X2X bus
400030615	Problem	ARSG4_3.01.1_A03.01	ARSG4_3.00.22_V03.00	Client doesn't read all PVs, reads incorrect values or no values at all.
400045098	Problem	ARSG4_2.96.9_I02.96	ARSG4_2.96.9_I02.96	PP065: If a device is operated at low temperatures, the background lighting remains dark.
225792	Problem	ARSG4_2.96.9_I02.96	ARSG4_2.96.7_G02.96	Variables with data types other than SINT and USINT can now be connected to OCTET data points
400039483, 400040973	Problem	ARSG4_2.96.9_I02.96	ARSG4_2.96.6_F02.96	When connecting from the server to the client, the client freezes in the step "IMA_CONNECTING"
400033779, 400048786	Problem	ARSG4_2.96.9_I02.96	ARSG4_2.95.22_V02.95	ARwin Setup doesn't update the interface driver for APC820
400040510, 400040224 400040220	Problem	ARSG4_2.96.8_H02.96	ARSG4_3.00.22_V03.00	Some USB flash drives don't work in Automation Runtime
400033130	Problem	ARSG4_2.96.8_H02.96	ARSG4_2.96.3_C02.96	Using the debugger can cause cycle time violations
400038343, 400039888, 400040075	Problem	ARSG4_2.96.8_H02.96	ARSG4_2.96.1_A02.96	PP45 reports the wrong Module ID
206455	Problem	ARSG4_2.96.7_G02.96	ARSG4_3.00.11_K03.00	EX450 modules sporadically won't start - "No ReadyFlag from Interface"
400028102	Problem	ARSG4_2.96.6_F02.96	ARSG4_2.95.19_S02.95	Higher priority for AsUDP
400028038	Problem	ARSG4_2.96.5_E02.96	V2.7.0.0017 SP10	29-bit CAN ID when using the X20CS1070 causes an error when calling CANopen()
218739	Problem	ARSG4_2.96.5_E02.96	ARSG4_2.96.3_C02.96	High resource load for INA Client connection with no peer station (server)

400021425	Problem	ARSG4_2.96.5_E02.96	ARSG4_2.95.2_B02.95	Stack overflow on the DHCP server causes PageFault
400029507	Problem	ARSG4_2.96.4_D02.96	V3.00.80.20	NonVolatile option doesn't work with CfgSetEthConfigMode() function block
400022378, 400024266, 400024392, 400024391, 400024462, 400025270, 400026541, 400031748, 400032414, 400034127	Problem	ARSG4_2.96.4_D02.96	V3.0.71.28 SP05	ACOPOSinverter X64 frequency inverter is sometimes not started correctly when turned off and turned back on. The CANopen slave doesn't go into operational mode.
400032504, 400033988	Problem	ARSG4_2.96.4_D02.96	-	High resource load for CANopen system task
400031304	Problem	ARSG4_2.96.4_D02.96	-	Error during slave configuration
400034627, 400034661	New function	ARSG4_2.96.4_D02.96	-	Long boot time when many modules are configured that are not connected
400032367	Problem	ARSG4_2.96.4_D02.96	ARSG4_2.96.2_B02.96	Node guarding fails temporarily
216445	Problem	ARSG4_2.96.4_D02.96	ARSG4_2.96.1_A02.96	Not enough time between frames on the X2X Link bus
400020057	Problem	ARSG4_2.96.4_D02.96	ARSG4_2.95.12_L02.95	Activating "Module monitoring" when using an X20BC0063 causes the controller to go into Service mode when booting
400031906, 400022988, 400026463	Problem	ARSG4_2.96.3_C02.96	V3.0.71.31 SP05	AsArLogRead() provides incorrect time
400031340	Problem	ARSG4_2.96.3_C02.96	-	ARwin boot not complete
400021790	Problem	ARSG4_2.96.3_C02.96	-	Commands are lost due to faulty socket connection
400031454, 400030919	New function	ARSG4_2.96.3_C02.96	-	Changes to the ARwin installation procedure
400031784	Problem	ARSG4_2.96.3_C02.96	ARSG4_2.96.1_A02.96	Sometimes the ARwin takes a long time to boot
400030593	Problem	ARSG4_2.96.2_B02.96	ARSG4_2.95.22_V02.95	Cycle time violation caused by CANwrite()
400030026	Problem	ARSG4_2.96.2_B02.96	ARSG4_2.95.21_U02.95	Because of a system stack that is configured too small, error 9101 can occur on the ARsim
400029925	Problem	ARSG4_2.96.2_B02.96	ARSG4_2.95.21_U02.95	The exception routine is not called correctly if multiple cycle time violations occur
400027276	Problem	ARSG4_2.96.2_B02.96	ARSG4_2.95.19_S02.95	Profibus master sends the wrong ident in the config frame
400023079	Problem	ARSG4_2.96.2_B02.96	ARSG4_2.95.19_S02.95	Terminal mode: With a string length of 1024 or larger, the string is no longer transferred correctly
257680	Problem	ARSG4_2.96.14_N02.96	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
400059335	Problem	ARSG4_2.96.13_M02.96	-	Correction of the error in which very short and light pressure on the touch screen can cause the position to be evaluated incorrectly
400060157	Problem	ARSG4_2.96.13_M02.96	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
400048959	Problem	ARSG4_2.96.13_M02.96	ARSG4_2.96.10_J02.96	ModbusTCP master doesn't work on AC141
400044001	New function	ARSG4_2.96.12_L02.96	-	Remote install causes Warning 27058 "NV memory block cannot be backed up"
400049163	Problem	ARSG4_2.96.12_L02.96	ARSG4_2.95.18_R02.95	PnP resources are sometimes not recognized during startup
400048831	Problem	ARSG4_2.96.11_K02.96	ARSG4_3.01.4_D03.01	System clock doubled when using the LS172 as a timer device
400028877, 400038632	Problem	ARSG4_2.96.11_K02.96	ARSG4_2.95.5_E02.95	ST_name() doesn't return task names in the EXIT
400045867, 400045710	Problem	ARSG4_2.96.10_J02.96	ARSG4_3.01.4_D03.01	CANopen master sporadically returns incorrect slave node status or incorrect ModuleOK status
400034964, 400034661	New function	ARSG4_2.96.10_J02.96	ARSG4_3.00.22_V03.00	Modules that are configured downstream from the POWERLINK X2X controller but not physically present make the controller take longer to boot.
400028109	Problem	ARSG4_2.96.1_A02.96	ARSG4_2.95.20_T02.95	CanQurw() sporadically delivers status 8810
400025215	Problem	ARSG4_2.95.20_T02.95	V3.0.71.30 SP05	INA routing via POWERLINK sometimes doesn't work because timeout times too low

1A4000.02 Visual Components

ID	valuation	solved since	known since	Description
400043532	Problem	ARSG4_3.06.5_E03.06	VC 3.64.0	On ARsim, after approx. 2000 calls, VA_GetAlarmList only returns BUSY 247
400017783	Problem	ARSG4_2.95.17_Q02.95	V2.6.0.0007	Calibration lost after restart
400013764	Problem	ARSG4_2.95.15_O02.95	-	PageFault when executing AsRfbExt functions without preceding RfbExtInit

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 Visual Components

SG4 Runtime - Alarmsystem

ID#400043532 : solved problem, known since VC 3.64.0, solved since ARSG4_3.06.5_E03.06

On ARsim, after approx. 2000 calls, VA_GetAlarmList only returns BUSY 247

SG4 Runtime - Common

ID#400017783 : solved problem, known since V2.6.0.0007, solved since ARSG4_2.95.17_Q02.95

Calibration lost after restart

Calibration must be carried out after each restart, since the calibration data isn't saved.

ID#400013764 : solved problem, known since unbekannt, solved since ARSG4_2.95.15_O02.95

PageFault when executing AsRfbExt functions without preceding RfbExtInit

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

ID#400036153 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.2_B03.01

Using three 5LS182.6-1 in an APC results in the error 32173 "POWERLINK V2: Bind failed".

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#400045929 : solved problem, known since ARSG4_3.06.2_B03.06, solved since ARSG4_3.01.6_F03.01

ARsim doesn't work on Windows XP Embedded

ID#400044495 : solved problem, known since ARSG4_3.06.1_A03.06, solved since ARSG4_3.06.2_B03.06

Logbook entry 33300 when ARsim is started in Windows 7 64-bit

ID#400042627 : solved problem, known since ARSG4_3.04.5_E03.04, solved since ARSG4_3.01.6_F03.01

Debugging in ARsim causes memory leak

ID#400039214 : solved problem, known since ARSG4_3.01.1_A03.01, solved since ARSG4_3.01.3_C03.01

Because of an internal timing error, the system clock is executed too often, which causes the ARsim to run "too fast"

ID#400030026 : solved problem, known since ARSG4_2.95.21_U02.95, solved since ARSG4_2.96.2_B02.96

Because of a system stack that is configured too small, error 9101 can occur on the 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# 400052797, 400048509 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.10_J03.01

After changing the ARwin IP address using the configurator, the online connection can no longer be established.

ID#400051561 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.01.10_J03.01

Querying whether hyperthreading is active does not work reliably

ID#400049163 : solved problem, known since ARSG4_2.95.18_R02.95, solved since ARSG4_2.96.12_L02.96

PnP resources are sometimes not recognized during startup

ID#400046272 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.8_H03.01

Hyperthreading disturbes real-time behavior

ID#400042036 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.06.1_A03.06

When the connection to the terminal interface IP fails, the ARwin doesn't start

ID#400041999 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.4_D03.01

Running a DEVLink() or DEVUnlink() from ARwin on a directory shared in Windows (CIFS) can take up to 30 seconds

ID#400032621 : solved problem, known since ARSG4_2.95.19_S02.95, solved since ARSG4_3.04.4_D03.04

In PIC mode, programs that change the resolution of the NT timer can reduce the network performance of the ARwin ETH interface.

ID# 400033779, 400048786 : solved problem, known since ARSG4_2.95.22_V02.95, solved since ARSG4_2.96.9_I02.96

ARwin Setup doesn't update the interface driver for APC820

ID#400031784 : solved problem, known since ARSG4_2.96.1_A02.96, solved since ARSG4_2.96.3_C02.96

Sometimes the ARwin takes a long time to boot

ID#400031340 : solved problem, known since unbekannt, solved since ARSG4_2.96.3_C02.96

ARwin boot not complete

Due to a problem in the socket connection between the ARwin and the loader, the ARwin doesn't finish booting.

ID#400021790 : solved problem, known since unbekannt, solved since ARSG4_2.96.3_C02.96

Commands are lost due to faulty socket connection

If the ARwin is closed using the tool ar010end.exe, the APC sometimes reboots. The reason for this is that the command for shutting down doesn't reach the ARwin due to a damaged socket connection.

ID#400046704 : new function since ARSG4_3.01.6_F03.01

After updating ARwin from < V3.00 to V3.00 or higher, the following error appears when the ARwin is started: "bradi.dll fehlt"

ID#400039697 : new function since ARSG4_3.05.2_B03.05

New functions in ARwin console

The ARwin console now also provides the switches ""Warmstart", "Coldstart" and "Service".

ID# 400031454, 400030919 : new function since ARSG4_2.96.3_C02.96

Changes to the ARwin installation procedure

Prevention of sporadic errors (e.g. missing drivers) during installation by changing the order of installation.

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# 400046190, 400041900 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.01.9_I03.01

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# 400041949, 400043852 : solved problem, known since ARSG4_3.00.1_A03.00, solved since ARSG4_3.01.5_E03.01

When there is a task overload, CANrwtab() doesn't work anymore

ID# 400041502, 400042654, 400043447 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.6_F03.01

Due to an internal AR management problem, the warning "Mutex Table Overflow" is sometimes entered in the logbook. The application program is not affected by this.

ID#400037264 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.2_B03.01

Task overload causes memory leak

If a task is overloaded, an incorrect implementation in the variable check results in a memory leak.

ID#400031184 : solved problem, known since V3.0.71.32 SP06, solved since ARSG4_3.04.5_E03.04

Memory requirements of local remanent variables when copying the PV values in Copy Mode

Twice as much PV memory is required to copy the variable values of remanent local PVs in Copy Mode because the old and the new memory areas are in use during the copy procedure.

ID#400029925 : solved problem, known since ARSG4_2.95.21_U02.95, solved since ARSG4_2.96.2_B02.96

The exception routine is not called correctly if multiple cycle time violations occur

If multiple cycle time violations occur in quick succession, it's possible that the corresponding exception routine is not called as often as the cycle time violations occur.

ID#400028102 : solved problem, known since ARSG4_2.95.19_S02.95, solved since ARSG4_2.96.6_F02.96

Higher priority for AsUDP

To reduce interruptions in the handling of UDP packages, the priority has been increased for the AsUDP library.

ID#400019086 : solved problem, known since V2.7.0.0015 SP08, solved since ARSG4_3.04.5_E03.04

Newly created global variables are always initialized with 0 during download in Copy Mode instead of with the corresponding initialization value

ID# 400019096 : solved problem, known since V2.6.0.0012 SP02, solved since ARSG4_3.04.5_E03.04

Copy Mode supports the acceptance of structure elements starting with AR E3.04

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_2.96.13_M02.96

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_3.01.11_K03.01

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#400053447 : solved problem, known since V3.00.81.20 SP01, solved since ARSG4_3.01.11_K03.01

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# 400035047, 400036404 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.2_B03.01

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#400033130 : solved problem, known since ARSG4_2.96.3_C02.96, solved since ARSG4_2.96.8_H02.96

Using the debugger can cause cycle time violations

Nested calls (e.g. calling the function CANexcep() to start an exception task) causes a cycle time violation due to an error in the handling of cycle time monitoring.

ID#400054111 : known problem since ARSG4_3.01.9_I03.01, correction planned for ARSG4_3.01.11_K03.01

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_3.07.4_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#208190 : solved problem, known since ARSG4_3.00.12_L03.00, solved since ARSG4_3.06.4_D03.06

Size limit in the System Diagnostics Manager hardware display

With bigger systems (over 1000 nodes), the hardware tree in the browser doesn't work.
In this case, the contents of the XML file, which can be loaded from the SDM using the browser are incorrect.

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.

ID#400041569 : solved problem, known since ARSG4_3.01.2_B03.01, solved since ARSG4_3.01.4_D03.01

Trace is stopped when the configuration is changed or if the AS connection is lost

IO System - 2003 Backplane

ID#400066089 : known problem since V2.7.0.4102 [V2.94], correction planned for ARSG4_2.96.16_P02.96

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_3.01.13_M03.01

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_3.07.11_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 - 2005 Backplane

ID#400046213 : solved problem, known since ARSG4_3.06.3_C03.06, solved since ARSG4_3.06.5_E03.06

EX350 modules that are configured but not connected hinder other 2005 system modules

If a 2005 project has a 3EX350.6 module configured but not connected, certain timing can result in other system modules (EX450, IP) being detected incorrectly or as having failed. Slave modules downstream from the EX450 module are detected as having failed although they are still running. This behavior no longer occurs with the current version.

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#400048831 : solved problem, known since ARSG4_3.01.4_D03.01, solved since ARSG4_2.96.11_K02.96

System clock doubled when using the LS172 as a timer device

When the 5LS172 is used as the system timer, the system clock ran at half the configured time.

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#400046758 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.7_G03.01

CANopen master sends incorrect PDO

With more than 64 mapping entries, the CANopen master sends an incorrect PDO.

ID#400046901 : solved problem, known since ARSG4_3.01.3_C03.01, solved since ARSG4_3.01.7_G03.01

CANopen system task can cause a cycle time violation, among other things

If the CANopen system task writes messages to the fieldbus logbook, it's possible that this leads to a cycle time violation.

ID# 400045867, 400045710 : solved problem, known since ARSG4_3.01.4_D03.01, solved since ARSG4_2.96.10_J02.96

CANopen master sporadically returns incorrect slave node status or incorrect ModuleOK status

ID# 400032504, 400033988 : solved problem, known since unbekannt, solved since ARSG4_2.96.4_D02.96

High resource load for CANopen system task

Due to a locking problem, a high priority CANopen system task (with a higher priority than the cyclic task class) can result in long runtimes. In some circumstances this can lead to a cycle time violation in a cyclic task class.

ID#400032367 : solved problem, known since ARSG4_2.96.2_B02.96, solved since ARSG4_2.96.4_D02.96

Node guarding fails temporarily

A high load on the CANopen stack, can result in insufficient resources being available for the node guarding process temporarily.

ID#400031607 : solved problem, known since ARSG4_3.06.1_A03.06, solved since ARSG4_3.06.4_D03.06

Index of Emergency COB IDs can't be overwritten

ID#400031304 : solved problem, known since unbekannt, solved since ARSG4_2.96.4_D02.96

Error during slave configuration

After a slave has been configured, additional (not necessary) configuration commands are sent.

ID# 400022378, 400024266, 400024392, 400024391, 400024462, 400025270, 400026541, 400031748, 400032414, 400034127 : solved problem, known since V3.0.71.28 SP05, solved since ARSG4_2.96.4_D02.96

ACOPOSinverter X64 frequency inverter is sometimes not started correctly when turned off and turned back on. The CANopen slave doesn't go into operational mode.

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#225792 : solved problem, known since ARSG4_2.96.7_G02.96, solved since ARSG4_2.96.9_I02.96

Variables with data types other than SINT and USINT can now be connected to OCTET data points

Previously, only variables with data types SINT and USINT or ARRAY OF SINT and ARRAY OF USINT could be connected to IO data points with data type OCTET.
When trying to connect other data types, error message 26603 was entered in the logbook. Now only a check is carried out to ensure that the total size matches.

ID#225099 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.3_C03.01

Mapping PVs to I/O is not updated during task overload

Downloading a task, both in Copy and Overload mode, cause local variables in the respective task to be moved to new addresses. Because of an error in the install routine, the mapping tables of the shoveler are not updated, and incorrect addresses are used for further processing.

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 - HWD

ID#235290 : solved problem, known since ARSG4_3.01.6_F03.01, solved since ARSG4_3.01.7_G03.01

Error 32244 when using 8AC114.60-2 only in NC Mapping table

If the module 8AC114.60-2 is configured , then with AR version F3.01 the following error can wrongly be indicated by the NC software (ACP10 or ARNC0):
- 32244: No PDO defined in the cyclic frame for this channel: NC object is disabled

If this error occurs with AR version F3.01, then another AR version must be used.

IO System - ModbusRTU

ID#400051798 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.10_J03.01

ModuleOk detections sometimes takes very long for S44

ID# 400045626, 400046770 : solved problem, known since ARSG4_3.01.4_D03.01, solved since ARSG4_3.01.6_F03.01

ModbusRTU only works for one interface - simultaneous use of multiple interfaces not possible

IO System - ModbusTCP

ID#400060899 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.01.11_K03.01

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_3.07.6_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#400048959 : solved problem, known since ARSG4_2.96.10_J02.96, solved since ARSG4_2.96.13_M02.96

ModbusTCP master doesn't work on AC141

ID#400051942 : solved problem, known since unbekannt, solved since ARSG4_3.01.11_K03.01

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_3.07.5_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#400048959 : solved problem, known since ARSG4_2.96.10_J02.96, solved since ARSG4_3.01.11_K03.01

ModbusTCP master doesn't work on AC141

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

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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#400042474 : solved problem, known since ARSG4_3.01.2_B03.01, solved since ARSG4_3.01.5_E03.01

Depending on the selected timer device, hardware detection may not be completed

ID#229222 : solved problem, known since ARSG4_3.05.2_B03.05, solved since ARSG4_3.06.1_A03.06

Logbook entry ERR_DDIOPLK_WRITEPARAM 30296 showed value 0 at Offset 8 in binary data

For the logbook entry ERR_DDIOPLK_WRITEPARAM 30296, the value 0 was always entered at Offset 8 instead of the value of the write command.

ID#400039303 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.3_C03.01

POWERLINK: SDO communication interrupted

During SDO communication from different tasks, it was possible for SDO communication to fail because of a locking problem.

ID#400025215 : solved problem, known since V3.0.71.30 SP05, solved since ARSG4_2.95.20_T02.95

INA routing via POWERLINK sometimes doesn't work because timeout times too low

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# 400034964, 400034661 : new function since ARSG4_2.96.10_J02.96

Modules that are configured downstream from the POWERLINK X2X controller but not physically present make the controller take longer to boot.

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

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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

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ID#400036980 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.2_B03.01

Due to an error calculating the offset, I/O channels are not applied with the setting "Mapping = Channels"

ID#400027276 : solved problem, known since ARSG4_2.95.19_S02.95, solved since ARSG4_2.96.2_B02.96

Profibus master sends the wrong ident in the config frame

ID#206455 : solved problem, known since ARSG4_3.00.11_K03.00, solved since ARSG4_2.96.7_G02.96

EX450 modules sporadically won't start - "No ReadyFlag from Interface"

ID# 400020057 : solved problem, known since ARSG4_2.95.12_L02.95, solved since ARSG4_2.96.4_D02.96

Activating "Module monitoring" when using an X20BC0063 causes the controller to go into Service mode when booting

IO System - X2X

ID#400044951 : solved problem, known since ARSG4_3.01.1_A03.01, solved since ARSG4_3.01.1_A03.01

Page fault caused by AsIOAccWrite on local X2X bus

If an AsIOAccWrite is performed on an X2X module on the local X2X interface, certain timing between the response of the module and the next call of the FB may result in a page fault in the task DdX2XAcc.<interface>, in the function "_trspMuxHandlerResp". This timing problem has been corrected.

ID#216445 : solved problem, known since ARSG4_2.96.1_A02.96, solved since ARSG4_2.96.4_D02.96

Not enough time between frames on the X2X Link bus

When there is not enough time between frames on the X2X Link bus, the combination of certain quartz tolerances and a high bus load can result in the failure of some X2X frames.
The time has been increased according to the worst-case tolerances. However, as a result there are fewer bytes of cyclic data available. Normally this is automatically compensated by a shortening of the acyclic frames.
For configurations where the cyclic data is at the limit, it may be necessary to split the input and output data asymmetrically: Warning 30334 ERR_DDIOX2X_ASYMMETRIC in the logbook.
For configurations that are at the absolute limit for cyclic data, the result may be that the configuration is no longer possible. Error message 30333 ERR_DDIOX2X_ASYNSIZE in the logbook.

ID#400028038 : solved problem, known since V2.7.0.0017 SP10, solved since ARSG4_2.96.5_E02.96

29-bit CAN ID when using the X20CS1070 causes an error when calling CANopen()

ID# 400034627, 400034661 : new function since ARSG4_2.96.4_D02.96

Long boot time when many modules are configured that are not connected

Due to the timeout mechanism, the PLC may take a long time to boot if a large number of modules are configured and only a small percentage of them are actually connected.

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 - 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

ID#400029507 : solved problem, known since V3.00.80.20, solved since ARSG4_2.96.4_D02.96

NonVolatile option doesn't work with CfgSetEthConfigMode() function block

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# 400031906, 400022988, 400026463 : solved problem, known since V3.0.71.31 SP05, solved since ARSG4_2.96.3_C02.96

AsArLogRead() provides incorrect time

Due to an error in calculating the time zone, the AsArLogRead() function block provides the incorrect time.

ID#400031708 : new function since ARSG4_3.05.2_B03.05

AsArRead() supports 0 for the parameter lenBin, memBin, lenAscii and memAscii - when 0 is transferred, the respective data isn't copied

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

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_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_3.01.10_J03.01

CANopenSDOWrite8() only sends every second SDO

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

ID# 400048365, 400048594 : solved problem, known since V3.00.80.31 SP01, solved since ARSG4_3.01.8_H03.01

When using the function blocks CANopenSDORead8(), CANopenSDOWrite8(), CANopenSDOReadData() and CANopenSDOWriteData() a watchdog error occurs after running for a longer period of time.

ID#400041410 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.3_C03.01

PDOs and SDOs get lost when using the AsCANopen library and when there is a heavy load on the CPU

ID#400035631 : new function since ARSG4_3.01.6_F03.01

New function blocks CANopenSDOReadData() and CANopenSDOWriteData()

ID#400012433 : new function since ARSG4_3.04.4_D03.04

New function blocks: CANopenSDOReadData(), CANopenSDOWriteData()

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#400040658 : solved problem, known since ARSG4_3.01.2_B03.01, solved since ARSG4_3.01.3_C03.01

When connecting from the server to the client, the client freezes in the step "IMA_CONNECTING"

ID# 400039483, 400040973 : solved problem, known since ARSG4_2.96.6_F02.96, solved since ARSG4_2.96.9_I02.96

When connecting from the server to the client, the client freezes in the step "IMA_CONNECTING"

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 - AsIOAcc

ID#400040238 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.3_C03.01

AsIOAccWrite() doesn't work for ACOPOSinverter modules on the Modbus (call BUSY)

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

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 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#400042115 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.5_E03.01

Error 28826 when calling the AsL2DP function block with Max_Module > 10 and S7 Profibus

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 - AsSem

ID#400026881 : solved problem, known since ARSG4_3.00.13_M03.00, solved since ARSG4_3.04.2_B03.04

When the SemCreate() function block from the AsSem library is called with the parameter values initCount = maxCount, the function block reports the Status 33320 (semaphore could not be generated).

Library - AsSNMP

ID#400045366 : new function since ARSG4_3.01.6_F03.01

New AsSNMP library

ID#400038170 : new function since ARSG4_3.05.1_A03.05

New AsSNMP library

Library for sending and receiving SNMP packages.

Library - AsTcp

ID#400043972 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.6_F03.01

The maximum number of parallel asynchronous function block calls is limited to 15

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

ID#400047305 : solved problem, known since ARSG4_3.01.5_E03.01, solved since ARSG4_3.01.7_G03.01

Empty string not permitted as attribute value

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).

ID#400047219 : solved problem, known since V3.00.80.29 SP01, solved since ARSG4_3.01.7_G03.01

CAN exception not executed after calling CANwrite.enable = 0

ID#400030593 : solved problem, known since ARSG4_2.95.22_V02.95, solved since ARSG4_2.96.2_B02.96

Cycle time violation caused by CANwrite()

When using the CANwrite() function block, a cycle time violation can occur in cyclic tasks if multiple CAN interfaces were opened previously with the CANMulOpen() function block. The error is caused by allocation of management memory (SM_malloc) using the CANwrite() function block.

ID#400028109 : solved problem, known since ARSG4_2.95.20_T02.95, solved since ARSG4_2.96.1_A02.96

CanQurw() sporadically delivers status 8810

When using two CAN interfaces at the same time, it's possible that the CANquwr() function block delivers the status 8810 resulting in telegrams being missed.

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_2.96.13_M02.96

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

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#400053325 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.10_J03.01

The maximum length for the device name when calling DevLink() on ARsim targets has been increased from 128 characters to 256 characters.

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#400041545 : solved problem, known since ARSG4_3.01.2_B03.01, solved since ARSG4_3.01.4_D03.01

On ARsim, calling DirCreate() a second time with the same directory name does not report status 20725, but rather 20709

ID#400033999 : solved problem, known since V2.7.0.0019 SP12, solved since ARSG4_3.01.4_D03.01

Memory leak due to cyclic DevLink() / DevUnlink()

ID#400027971 : solved problem, known since V3.0.71.31 SP05, solved since ARSG4_3.04.2_B03.04

DirRead() reads the wrong time local time is not considered

ID#400024449 : solved problem, known since ARSG4_3.04.2_B03.04, solved since ARSG4_3.05.1_A03.05

Attempting to copy a directory to a subordinate directory is no longer permitted, and generates the error fiERR_INVALID_PATH

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

ID#400028201 : new function since ARSG4_3.01.4_D03.01

Running a DEVLink() or DEVUnlink() from ARwin on a directory shared in Windows (CIFS) can take up to 30 seconds

Library - INAclient

ID#400030615 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.1_A03.01

Client doesn't read all PVs, reads incorrect values or no values at all.

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 - LoopConR V2.72.3

ID#400042434 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.8_H03.01

If Mode = 0 or the constant LCRPID_MODE_OFF is transferred in the function block LCRPID, the status 31553 is returned.

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.

ID# 400028877, 400038632 : solved problem, known since ARSG4_2.95.5_E02.95, solved since ARSG4_2.96.11_K02.96

ST_name() doesn't return task names in the EXIT

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

ID#400049393 : solved problem, known since ARSG4_3.01.7_G03.01, solved since ARSG4_3.01.9_I03.01

Communication places heavy load on the Terminal CPU

The problem occurs when dynamic PVs are not assigned a valid pointer (0). The recurring search for the PV overloads the system.

ID#400047610 : solved problem, known since ARSG4_3.01.5_E03.01, solved since ARSG4_3.01.7_G03.01

Terminal variables are not updated when they are initialized after startup.

ID#400036104 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.2_B03.01

VC4 > Terminal Mode > Operating the visualization with AS3.00.80 considerably slower than in earlier versions

ID#400033456 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.2_B03.01

Value changes to enumerations are not displayed on the terminal

ID#400023079 : solved problem, known since ARSG4_2.95.19_S02.95, solved since ARSG4_2.96.2_B02.96

Terminal mode: With a string length of 1024 or larger, the string is no longer transferred correctly

System - DHCP

ID# 400051264 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.01.9_I03.01

Static routing doesn't work with DHCP

ID#400037131 : solved problem, known since ARSG4_3.01.2_B03.01, solved since ARSG4_3.01.4_D03.01

Receiving a DHCP offer package with the option 81 causes page fault

ID# 400021425 : solved problem, known since ARSG4_2.95.2_B02.95, solved since ARSG4_2.96.5_E02.96

Stack overflow on the DHCP server causes PageFault

System - Firmware

ID#257680 : solved problem, known since ARSG4_3.01.11_K03.01, solved since ARSG4_2.96.14_N02.96

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

ID#257435 : solved problem, known since ARSG4_3.01.11_K03.01, solved since ARSG4_3.01.12_L03.01

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

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_2.96.13_M02.96

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_3.01.11_K03.01

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_3.07.6_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#400045098 : solved problem, known since ARSG4_2.96.9_I02.96, solved since ARSG4_2.96.9_I02.96

PP065: If a device is operated at low temperatures, the background lighting remains dark.

ID# 400038343, 400039888, 400040075 : solved problem, known since ARSG4_2.96.1_A02.96, solved since ARSG4_2.96.8_H02.96

PP45 reports the wrong Module ID

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_2.96.12_L02.96

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 - INA

ID#400041484 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.4_D03.01

INA routing via POWERLINK doesn't work

ID#400039603 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.4_D03.01

INA routing via POWERLINK doesn't work

ID#218739 : solved problem, known since ARSG4_2.96.3_C02.96, solved since ARSG4_2.96.5_E02.96

High resource load for INA Client connection with no peer station (server)

If there is an attempt to establish a client connection and the corresponding peer station is not available, the resource requirement for the INA Ethernet task may become very high.

System - Netboot

ID#400044001 : new function since ARSG4_2.96.12_L02.96

Remote install causes Warning 27058 "NV memory block cannot be backed up"

If a restart is triggered during a remote install, a missing uninstallation results in Warning 27058 "NV memory block cannot be backed up".

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.

ID#400036902 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.05.2_B03.05

If an empty string is written to the AR OPC server, a page fault occurs

ID#400032324 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.2_B03.01

The AR OPC server can only be accessed via the first Ethernet interface on the target system.

If the target system has multiple Ethernet interfaces, the OPC server can only be accessed via the first one.

ID# 400038150, 400037974 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_3.01.3_C03.01

AR OPC server doesn't work on ARwin

System - USB Support

ID# 400040510, 400040224 400040220 : solved problem, known since ARSG4_3.00.22_V03.00, solved since ARSG4_2.96.8_H02.96

Some USB flash drives don't work in Automation Runtime

Due to a timing change, some USB flash drives don't work in Automation Runtime.

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

Variable values sometimes displayed incorrectly on ASP pages

On large ASP pages, ASP functions are not evaluated correctly.
As a result, the HTML page displays illegible special characters instead of the actual PV value.
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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#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

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#400043289 : solved problem, known since ARSG4_3.01.3_C03.01, solved since ARSG4_3.01.5_E03.01

The webserver cache mechanism doesn't test the file date - as a result, changed data isn't displayed

ID#400041193 : solved problem, known since ARSG4_3.01.1_A03.01, solved since ARSG4_3.01.4_D03.01

As soon as a website is accessed that is either write-protected itself or that is inside a write-protected folder, the CPU crashes with a page fault.

ID#400041072 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.5_E03.01

ReadPlc only reads the top two values of 4-byte values.

ID#400038693 : solved problem, known since V3.00.80.25, solved since ARSG4_3.01.3_C03.01

Parameter transfer for "webprint" function doesn't work with AR 3.00 and up. String cut off after "="

ID# 400029923, 400037586 : solved problem, known since ARSG4_3.00.14_N03.00, solved since ARSG4_3.01.2_B03.01

Web server doesn't work on User Partition (F:)

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

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