## Contents

**B&R Revision Information (16.05.2019) Automation Studio 4.4.7 SP**

<table>
<thead>
<tr>
<th>Topics</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requests and problems by version</td>
<td>1</td>
</tr>
<tr>
<td>Requests and problems by product/component</td>
<td>1</td>
</tr>
<tr>
<td>1A4300.02 Automation Studio 4.x</td>
<td>4</td>
</tr>
<tr>
<td>Build</td>
<td>4</td>
</tr>
<tr>
<td>Build - C Compiler GCC 4.1.2</td>
<td>5</td>
</tr>
<tr>
<td>Build - ConfigurationBuilder</td>
<td>5</td>
</tr>
<tr>
<td>Build - Fieldbus</td>
<td>6</td>
</tr>
<tr>
<td>Build - FinalizeBuild</td>
<td>6</td>
</tr>
<tr>
<td>Build - IEC Compiler</td>
<td>6</td>
</tr>
<tr>
<td>Build - IOMapBuilder</td>
<td>7</td>
</tr>
<tr>
<td>Build - OPC-UA</td>
<td>7</td>
</tr>
<tr>
<td>Build - TaskBuilder</td>
<td>8</td>
</tr>
<tr>
<td>Build - Transfer To Target</td>
<td>8</td>
</tr>
<tr>
<td>Diagnostics - Analyse Network</td>
<td>8</td>
</tr>
<tr>
<td>Diagnostics - Debugger</td>
<td>9</td>
</tr>
<tr>
<td>Diagnostics - Loger</td>
<td>9</td>
</tr>
<tr>
<td>Diagnostics - Motion - NC Trace</td>
<td>9</td>
</tr>
<tr>
<td>IO Configuration - CANopen</td>
<td>9</td>
</tr>
<tr>
<td>IO Configuration - DTM</td>
<td>9</td>
</tr>
<tr>
<td>IO Configuration - DTM 3rd party</td>
<td>10</td>
</tr>
<tr>
<td>IO Configuration - Modbus TCC</td>
<td>10</td>
</tr>
<tr>
<td>IO Configuration - Protools</td>
<td>10</td>
</tr>
<tr>
<td>Programming - ANSI C</td>
<td>11</td>
</tr>
<tr>
<td>Programming - Automation Basic</td>
<td>11</td>
</tr>
<tr>
<td>Programming - Data Type Declaration Table Editor</td>
<td>11</td>
</tr>
<tr>
<td>Programming - Function Table Editor</td>
<td>11</td>
</tr>
<tr>
<td>Programming - IO Configuration Editor</td>
<td>11</td>
</tr>
<tr>
<td>Programming - IO Mapping Table Editor</td>
<td>11</td>
</tr>
<tr>
<td>Programming - LC</td>
<td>11</td>
</tr>
<tr>
<td>Programming - Motion - Accpos Parameter Table Editor</td>
<td>12</td>
</tr>
<tr>
<td>Programming - OPC Tag Editor</td>
<td>12</td>
</tr>
<tr>
<td>Programming - OPC UA Default View Editor</td>
<td>12</td>
</tr>
<tr>
<td>Programming - Software Configuration Editor</td>
<td>12</td>
</tr>
<tr>
<td>Programming - ST</td>
<td>12</td>
</tr>
<tr>
<td>Programming - System Configuration</td>
<td>13</td>
</tr>
<tr>
<td>Programming - System Designer</td>
<td>13</td>
</tr>
<tr>
<td>Programming - XML Editor</td>
<td>13</td>
</tr>
<tr>
<td>Tools - Import/Export EPLAN P8</td>
<td>14</td>
</tr>
<tr>
<td>Tools - Manage 3rd Party Devices</td>
<td>14</td>
</tr>
<tr>
<td>Tools - Technology Guarding</td>
<td>14</td>
</tr>
<tr>
<td>VisualComponents Editor - VC4</td>
<td>14</td>
</tr>
<tr>
<td>Workspace - Common</td>
<td>14</td>
</tr>
<tr>
<td>Workspace - Configuration View</td>
<td>15</td>
</tr>
<tr>
<td>Workspace - Export/Import</td>
<td>15</td>
</tr>
<tr>
<td>Workspace - Find/Replace</td>
<td>15</td>
</tr>
<tr>
<td>Workspace - Ladder Catalog</td>
<td>15</td>
</tr>
<tr>
<td>Workspace - Logical View</td>
<td>15</td>
</tr>
<tr>
<td>Workspace - Output Windows</td>
<td>15</td>
</tr>
<tr>
<td>Workspace - Physical View</td>
<td>15</td>
</tr>
<tr>
<td>Workspace - Setup</td>
<td>16</td>
</tr>
<tr>
<td>Workspace - Startpage</td>
<td>16</td>
</tr>
<tr>
<td>Workspace - Textsystem</td>
<td>16</td>
</tr>
<tr>
<td>Workspace - Unit System</td>
<td>16</td>
</tr>
</tbody>
</table>
### B&R Revision Information (16.05.2019)
**Automation Studio 4.4.7 SP**

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

#### Contents
- Requests and problems by version
- Requests and problems by product/component

#### Requests and problems by version

<table>
<thead>
<tr>
<th>ID</th>
<th>valuation</th>
<th>solved since</th>
<th>known since</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400269508</td>
<td>AS4.4.07 SP</td>
<td>PVI4.4.04</td>
<td></td>
<td>Automation Studio crashing in text editor if the tooltip for structure variables should be displayed</td>
</tr>
<tr>
<td>400270084</td>
<td>AS4.4.07 SP</td>
<td>AS4.7.01</td>
<td></td>
<td>Stuck booting when Modbus slave connected to X20IF2181-2</td>
</tr>
<tr>
<td>400275292</td>
<td>AS4.4.07 SP</td>
<td>AS4.5.02</td>
<td></td>
<td>Implicit deletion of additional devices possible when deleting DTM device from the 3rd-party device manager</td>
</tr>
<tr>
<td>400272531</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.xx [FRD01041.0]</td>
<td></td>
<td>&quot;SystemNullReferenceException&quot; when resizing text box</td>
</tr>
<tr>
<td>400274315</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 UP</td>
<td></td>
<td>&quot;AR configuration module as a simple data object&quot; does not work if module path contains make variables.</td>
</tr>
<tr>
<td>400273969</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 UP</td>
<td></td>
<td>Default value of property &quot;netX configuration file&quot; empty</td>
</tr>
<tr>
<td>400279110</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 UP</td>
<td></td>
<td>Possible for arrays of numeric data types to be incorrectly selected as data source (sink) for numeric input/output fields</td>
</tr>
<tr>
<td>400273826</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 UP</td>
<td></td>
<td>SDM running and accessible on terminal device even if disabled in the configuration</td>
</tr>
<tr>
<td>400282344</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 UP</td>
<td></td>
<td>Crash when closing the TMX editor</td>
</tr>
<tr>
<td>400276159</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Error 9499 when building project</td>
</tr>
<tr>
<td>400275795</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Runtime Utility Center package not generated during build</td>
</tr>
<tr>
<td>400273930</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Error generating IEC declarations from ANSI C</td>
</tr>
<tr>
<td>400274014</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Corrected sporadic build error 9499</td>
</tr>
<tr>
<td>400243932</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Backtrace of unhandled C++ exceptions</td>
</tr>
<tr>
<td>400270029</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Not recognized if no remote station is entered for the POWERLINK controlled node</td>
</tr>
<tr>
<td>400270029</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Not recognized if no slave configuration is entered</td>
</tr>
<tr>
<td>400272590</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>When using OSAFT to connect SAFE modules in different configurations the BUILD might abort in some cases</td>
</tr>
<tr>
<td>400270029</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Not recognized if no remote station is entered for the openSAFEITY over UDP Tunnel</td>
</tr>
<tr>
<td>400279675</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Compilation of source file aborted without error message</td>
</tr>
<tr>
<td>400274014</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Parsing of meta information in temporary created declaration files is defect</td>
</tr>
<tr>
<td>4002771724</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>i some cases mapped variables for OPCUA method arguments may cause a BUILD error,</td>
</tr>
<tr>
<td>400275447</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Project installation package created with invalid settings</td>
</tr>
<tr>
<td>400269270</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Since usage of GDB 6.3 some breakpoint information where misinterpret</td>
</tr>
<tr>
<td>400276203</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>DTM devices with special characters in name causing errors</td>
</tr>
<tr>
<td>400274084</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Double-clicking on a position in the call stack not always positioning to the corresponding position in the text editor</td>
</tr>
<tr>
<td>400274213</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>No class members offered in autocomplete in ANSI C++ editor after entering a delimiter</td>
</tr>
<tr>
<td>400275086</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>When converting from file format 3 to file format 4 some rights are not transferred correctly.</td>
</tr>
<tr>
<td>400273627</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Deleting invalid entry(task) removes all the tags temporarily, after Refresh Default View these are displayed again.</td>
</tr>
<tr>
<td>400274489</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Text editor displaying incorrect tooltip in function blocks when debugger hits breakpoint</td>
</tr>
<tr>
<td>400275619</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Deleting an axis feature reference not working</td>
</tr>
<tr>
<td>400270090</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Possible duplicates from frozen DTM modules</td>
</tr>
<tr>
<td>400274785</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.06 SP</td>
<td></td>
<td>Address calculation for second LS182 board in APC incorrect if using a hub in the PLK line</td>
</tr>
<tr>
<td>400272174</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>IO mapping was created during the build, although it was disabled in the software configuration</td>
</tr>
<tr>
<td>400266698</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>Every task will be recompiled, if the project is moved to another location</td>
</tr>
<tr>
<td>400249030</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>Entries for X20CS modules missing in generated device description files in a POWERLINK master project</td>
</tr>
<tr>
<td>400269469</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>FieldbusBuilder creating invalid files when using module X20ZF0000</td>
</tr>
<tr>
<td>400272997</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>CallStack navigation does not work with GDB 6.3.</td>
</tr>
<tr>
<td>400275586</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>Logger lacking descriptions for when very large text strings are used in TMX files</td>
</tr>
<tr>
<td>400268825</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>Incorrect display of the trace status when using multiple trace instances at the same time</td>
</tr>
<tr>
<td>400267999</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>Only 10 SL-to-SL connection displayed after adding X20SL8101 for the first time</td>
</tr>
<tr>
<td>400268698</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>Parameters missing when adding motor to ACOPOS parameter table</td>
</tr>
<tr>
<td>400269878</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>Global variables with limited visibility not displayed in the default view</td>
</tr>
<tr>
<td>40027521</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>Software configuration editor constantly rebuilt if editor opened together with the project</td>
</tr>
<tr>
<td>617015</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>Cannot display hardware configuration if several hardware modules are selected that contain a different number of dynamic nodes</td>
</tr>
<tr>
<td>400266073</td>
<td>AS4.4.07 SP</td>
<td>AS4.4.05 SP</td>
<td></td>
<td>Automation Studio crash when opening user-specific settings</td>
</tr>
</tbody>
</table>
Problem AS4.4.07 SP AS4.4.05 SP Text system files (TMX) not taken into account when exporting a library.

Problem AS4.4.07 SP AS4.4.05 SP Replace in files not working for configuration files.

Problem AS4.4.07 SP AS4.4.05 SP Cannot move OPC UA remote server configuration .uaserver within the mapp View directory.

Problem AS4.4.07 SP AS4.4.05 SP AS crash when adding user library.

Problem AS4.4.07 SP AS4.4.05 SP Import of text files not possible if project contains referenced text files.

Problem AS4.4.07 SP AS4.4.04 Communication between VxWorks and iCN not working if manual I/O offset disabled.

Problem AS4.4.07 SP AS4.4.04 Builders aborted after too low timeout with unspecific error 9499.

Problem AS4.4.07 SP AS4.4.04 Incorrect selection when opening the Logger.

Problem AS4.4.07 SP AS4.4.04 Incorrect function block instance set in text editors in monitor mode when using "Go to implementation".

Problem AS4.4.07 SP AS4.3.08 SP OPCUA BUILD for AR A4.31 to D4.34 fails when using OPCUA methods.

Problem AS4.4.07 SP AS4.3.08 SP Automatic license extension not possible if Automation Studio licensing was originally performed in an older version.

Problem AS4.4.07 SP AS4.3.08 SP Cycle time calculated incorrectly.

Problem AS4.4.07 SP AS4.3.06 SP Error message 4510 output when building Automation Studio project.

Problem AS4.4.07 SP AS4.4.xx [FR001041.0] No structure elements offered in ANSI C editor if variable declared in a header file.

Problem AS4.4.07 SP AS4.4.06 Offline installation not possible with simulated hypervisor target.

Problem AS4.4.07 SP AS4.4.06 SP Not all started build processes are killed when cancelling an external build.

Problem AS4.4.07 SP AS4.4.04 offline installation not possible with simulated hypervisor target.

Problem AS4.4.07 SP AS4.4.04-04 SP Automation Runtime warning 30330 if CAN I/O and CANopen enabled on the same interface.

Problem AS4.4.07 SP AS4.4.04 SP Referenced to variables within structure not always placed correctly.

Problem AS4.4.07 SP AS4.4.04 SP No structure offers ANSI C editor if variable declared in a header file.

Problem AS4.4.07 SP AS4.4.45 References to variables within structure not always placed correctly.

Problem AS4.4.07 SP AS4.4.45.1 04.45 No channels displayed in System Diagnostic Manager on "X2OB0083":IF1 if module configured as additionally supported hardware.

Problem AS4.4.07 SP AS4.4.05 SP Error in BR.AS.DataObjectBuilder when executed in parallel.

Problem AS4.4.07 SP AS4.4.05 SP Compilation Error 5059 when using a member of a multidimensional array as EU range limit.

Problem AS4.4.07 SP AS4.4.05 SP Only one version of a hardware upgrade installed if attempting to install two different versions of one type at the same time.

Problem AS4.4.06 SP AS4.4.04 SP Not all started build processes are killed when cancelling an external build.

Problem AS4.4.06 SP AS4.4.04 SP The configurable postbuildstep was not executed at the end of the whole build process.

Problem AS4.4.06 SP AS4.4.04 SP Automation Studio crash if "Unit test" start page not available but starting unit tests after transfer is enabled.

Problem AS4.4.06 SP AS4.4.04 No structure offers ANSI C editor if variable declared in a header file.

Problem AS4.4.06 SP AS4.4.06 SP Compatible hardware modules not recognized.

Problem AS4.4.06 SP AS4.4.06 SP Error in BR.AS.DataObjectBuilder when executed in parallel.

Problem AS4.4.06 SP AS4.4.05 SP Only one version of a hardware upgrade installed if attempting to install two different versions of one type at the same time.

Problem AS4.4.06 SP AS4.4.05 SP Compilation Error 5059 when using a member of a multidimensional array as EU range limit.

Problem AS4.4.06 SP AS4.4.04 SP Not all started build processes are killed when cancelling an external build.

Problem AS4.4.06 SP AS4.4.04 SP The configurable postbuildstep was not executed at the end of the whole build process.

Problem AS4.4.06 SP AS4.4.04 SP Problems with a recursive data type.

Problem AS4.4.06 SP AS4.4.04 SP Possible problems caused by terminal CPUs with DTM devices.

Problem AS4.4.06 SP AS4.4.04 SP Not possible to delete block Modbus ModbusTCP_any module configuration.

Problem AS4.4.06 SP AS4.4.04 SP Automation Studio crash if "Unit test" start page not available but starting unit tests after transfer is enabled.

Problem AS4.4.06 SP AS4.4.04 SP Cannot open Automation Studio projects on systems with Russian language settings.

Problem AS4.4.06 SP AS4.4.04 SP Invalid version information in hardware file (only from a SP) preventing AS version from being read correctly.
Requests and problems by product/component

1A4300.02 Automation Studio 4.x

Build

ID#400325 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP

Error 9499 when building project

ID#400245190 : solved problem, known since AS4.4.04, solved since AS4.4.07 SP

Communication between VxWorks and iCN not working if manual I/O offset disabled

ID#400274384 : solved problem, known since AS4.3.04 UP, solved since AS4.4.07 SP

Error message 4510 output when building Automation Studio project

If a library containing IEC declaration files is used as a static library in an Automation Studio project, error message 4510 is output during build.

ID#400275795 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP

Runtime Utility Center package not generated during build

ID#400273930 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP

Error generating IEC declarations from ANSI C

When generating IEC declarations from ANSI C, errors occur due to parallel execution.

ID#400274014 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP

Corrected sporadic build error 9499

ID#400243932 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP

Backtrace of unhandled C++ exceptions

Function exit() in the AS toolchain was implemented to generate a meaningful backtrace in case of unhandled C++ exceptions

ID#400272174 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP

IO mapping was created during the build, although it was disabled in the software configuration.

ID#400268698 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Every task will be recompiled, if the project is moved to another location.

Id#400258443: solved problem, known since AS4.4.04, solved since AS4.4.06 SP
Not all started build processes are killed when cancelling an external build.

Id# 400261158, 400274356: solved problem, known since AS4.4.04, solved since AS4.4.07 SP
Builders aborted after too low timeout with unspecified error 9499

Id#400259157: solved problem, known since AS4.4.04, solved since AS4.4.06 SP
The configurable postbuildstep was not executed at the end of the whole build process.

Id#400256649: solved problem, known since AS4.4.05 SP, solved since AS4.4.06 SP
Error in BR.AS.DataObjectBuilder when executed in parallel
BR.AS.DataObjectBuilder had a problem with parallel execution when using encrypted source files.

Id#400252157: solved problem, known since AS4.3.05 SP, solved since AS4.4.05 SP
Rebuild cannot be performed after creating project installation package

Id#590770: solved problem, known since AS4.5.01, solved since AS4.4.05 SP
Incorrect array sizes for certain derived data types
The following error occurs for data types that are directly derived from arrays of strings: If a variable of this data type is created and used in ANSI C or C++, the array dimensions are incorrect. When accessing individual array elements, data is written or read incorrectly.

Build – C Compiler GCC 4.1.2

Id#400243932: solved problem, known since AS4.3.06 SP, solved since AS4.4.05 SP
Backtrace of unhandled C++ exceptions
Function exit() in the AS toolchain was implemented to generate a meaningful backtrace in case of unhandled C++ exceptions.

Build – ConfigurationBuilder

Id#400270929: solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
Not recognized if no remote station is entered for the POWERLINK controlled node
Automation Studio does not output an error if the configuration name of the Icn is missing in the POWERLINK controlled node.

Id#400270929: solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
Not recognized if no slave configuration is entered
Automation Studio does not output an error if the name of the slave configuration is missing in openSAFETY over Modbus TCP.

Id#400260623: solved problem, known since AS4.0.00, solved since AS4.4.07 SP
Automation Runtime warning 30030 if CAN I/O and CANopen enabled on the same interface

Id#400274315: solved problem, known since AS4.4.06 UP, solved since AS4.4.07 SP
"AR configuration module as a simple data object" does not work if module path contains make variables.

Id#400272590: solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
When using OSAFT to connect SAFE modules in different configurations th BUILD might abort in some cases

Id#400270929: solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
Not recognized if no remote station is entered for the openSAFETY over UDP Tunnel
Automation Studio does not output an error if the configuration name of the remote station is missing in the openSAFETY over UDP Tunnel.

Id#400257014: solved problem, known since AS4.3.06 SP, solved since AS4.4.06 SP
Warnings 27408 and 32183 in Automation Runtime logbook
If "Via SafeLOGIC" is set instead of "Directly" for parameter DigitalOutput0102 on an X67SI8103 safety hardware module and this safety hardware module is connected to the SafeLOGIC controller via an ICN connection, then warnings 27408 and 32183 are entered in the logbook after the transfer and the data on this output channel is not transferred.

Id#400258113: solved problem, known since AS4.4.04, solved since AS4.4.07 SP
Indices 11 to 20 of connected SafeLOGIC modules not working
In Safety Release 1.10 and later, 20 connections are offered instead of 10 for SafeLOGIC-to-SafeLOGIC communication. If the SafeLOGIC ID of a connected SafeLOGIC controller is entered for connections 11 to 20, the associated I/O channels (C<Index>-SL<SafeLogicID>-Safe<DataType>-<Index>, z.B. C11_SL14_SafeBOOL001) are not displayed in the I/O mapping of the master
SafeLOGIC controller and are not compiled in module ARConfig.br. These I/O channels therefore cannot be used.

ID#400256913 : solved problem, known since ARSG4_4.44.6_F04.44, solved since AS4.4.07 SP

No channels displayed in System Diagnostic Manager on "X20BC0083". If module configured as additionally supported hardware

Build – Fieldbus

ID#400249030 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP

Entries for X20CS modules missing in generated device description files in a POWERLINK master project

ID#400269469 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP

FieldbusBuilder creating invalid files when using module X20ZP0000

ID#400245370 : solved problem, known since unbekannt, solved since AS4.4.05 SP

PDOI addresses calculated incorrectly in a VxWorks configuration

ID#400238822 : solved problem, known since AS4.3.04 SP, solved since AS4.4.05 SP

Use of special DTM devices resulting in build errors

Some devices imported as DTMs can cause an error during build.

Build – FinalizeBuild

ID#400272095 : solved problem, known since AS4.3.08 SP, solved since AS4.4.06 SP

No check as to whether BR modules with the same name exist in different files in an Automation Studio project

ID#400249976 : solved problem, known since AS4.3.05 SP, solved since AS4.4.05 SP

Error 430 on build possible if project application modules are disabled in an Automation Studio project

The error occurs exactly if a program is mapped only in the respective disabled application module.

Build – IECompiler

ID#400279847 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP

Compilation of source file aborted without error message

The abort occurs if an action programmed in Sequential Function Chart (SFC) is called in a text-based programming language. The action must also contain action steps, but no action blocks are permitted to be assigned to these action steps.

ID#400265098 : solved problem, known since AS4.3.06 SP, solved since AS4.4.06 SP

Error message 6035 output when building a configuration

Error message 6035 is output if a normal function block call is used in a B&R Automation Basic program, the called function block contains a REFERENCE variable and an SG3 target system is used.

ID#400255901 : solved problem, known since AS4.3.06 SP, solved since AS4.4.06 SP

Assigning comparison result to a bit not working with certain SG4 target systems (INTEL).

ID#600245 : solved problem, known since AS4.3.06 SP, solved since AS4.4.05 SP

Error message when building a ladder diagram if a "set" coil is used

If a "set" coil is used with a REFERENCE TO BOOL variable in a ladder diagram and the IEC Check library is contained in the project, an error message is output during build for certain SG4 target systems (ARM).

ID#400252754 : solved problem, known since AS4.3.05 SP, solved since AS4.4.05 SP

Error message when converting to STRING or WSTRING

If conversion to STRING or WSTRING takes place in the Ladder Diagram programming language, an error message is output for certain SG4 target systems (ARM) during build.

ID#400253272 : solved problem, known since AS4.3.06 SP, solved since AS4.4.05 SP

Error message when using function block as local variable in a function

If a function block is used as a local variable in a function, an error message can be output during build for certain SG4 target systems (ARM). The error message is output if a REFERENCE variable is used in the function block.

ID#400251670 : solved problem, known since AS4.3.05 SP, solved since AS4.4.05 SP

Error message if a variable in a function block or function has the same name as a library constant

If a variable in a function block or function of a library has the same name as a library constant, an error message is output during build for certain SG4 target systems (ARM).
Compiler for IEC languages crashing when using an action created in Continuous Function Chart (CFC)

The crash only occurs if a function block is used in the CFC action.

Direct derivatives handled incorrectly in IEC languages and B&R Automation Basic for certain SG4 target systems (ARM)

An incorrect offset is used for read or write access to elements of variables that are direct derivatives of arrays of character strings (STRING or WSTRING).

ST program not compiled if a source file is changed outside Automation Studio

If an older version of a source file is entered in the project structure (e.g. source control system, copied), the software object in whose framework the file is used is not recompiled.

Parsing meta information in temporary created declaration files is defect

Parsing meta information in automatically created declaration files is defect. This leads to unresolved build dependencies. With this fix all meta information are read correctly.

Incorrect variable name output for Error 6762 in PV mapping

When a PV is mapped to an internal function block variable, the wrong variable name is specified in the resulting error message.

Additional information for warning 6779

For warning 6779, information is now also output as to whether the PV in question is a "source" or "destination" variable. In the case of the test project, the following warnings are now displayed:

F:\Projects\F585345\Warning6779Test\Physical\X20CP3585\X20CP3585\PvMap.vvm (Ln: 2, Col: 0): Warning 6779: Not possible to clearly determine the task class of source variable "gVar1" using automatic detection. Please assign task class manually.

F:\Projects\F585345\Warning6779Test\Physical\X20CP3585\X20CP3585\PvMap.vvm (Ln: 2, Col: 0): Warning 6779: Not possible to clearly determine the task class of destination variable "gVar2" using automatic detection. Please assign task class manually. Limitation: If the PV assignments are created manually in the text editor, the wrong direction information is output for the first variable when direction operator "\%I" is used.

OPCUA BUILD for AR A4.31 to D4.34 fails when using OPCUA methods.

The BUILD of the project will fail during OPCUA BUILD when using OPCUA methods and the AR version is >= A431 and < D434.

I some cases mapped variables for OPCUA method arguments may cause a BUILD error.

If the mapped variable of a method argument is part of a nested structure the data type can not be determined by the OPCUA BUILDER.

References to variables within structure not always placed correctly

If a structure definition is used that only contains one element and this element is a reference, then no entry is placed in the type dictionary and the OPC UA server cannot load the UAR file correctly.

Compilation Error 5059 when using a member of a multidimensional array as EU range limit.

If a PV is configured for the EU Range which is a member of a multidimensional array the compiler produce error 5059

Problems with a recursive data type

Problems if a recursive data type was activated in OPC UA

Problems to variables within structure not always placed correctly

If a structure definition is used that only contains one element and this element is a reference, then no entry is placed in the type dictionary and the OPC UA server cannot load the UAR file correctly.
Build error "5054 Properties for non-existant variable '<xxxxx>' have been found, check your configuration." when using variables of the same name with different datatypes in different application modules.

When using variables of the same name with data types of the same name but with different structures in different application modules, an error message may occur if UAD properties have been set for the relevant data type elements.

Build – Taskbuilder

ID#400264996 : solved problem, known since AS4.3.06 SP, solved since AS4.4.07 SP

Error calculating function block constants
An error occurred when initializing function block elements with function block constants if another function block element was itself a function block type and came in the sequence before the elements to be initialized.

ID#400264996 : solved problem, known since AS4.3.06 SP, solved since AS4.4.07 SP

Error calculating function block constants
An error occurred when initializing function block elements with function block constants if another function block element was itself a function block type and came in the sequence before the elements to be initialized.

ID#400264996 : solved problem, known since AS4.3.06 SP, solved since AS4.4.07 SP

Error calculating function block constants
An error occurred when initializing function block elements with function block constants if another function block element was itself a function block type and came in the sequence before the elements to be initialized.

ID#400251703 : solved problem, known since ARSG4_4.26.5_E04.26, solved since AS4.4.05 SP

Error if the name of the .fun file does not match the library name
The target system starts up in diagnostics mode if a library is installed whose .fun file does not match the name of the library.

Build – Transfer To Target

ID#400258549 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP

Project installation package created with invalid settings

ID#400262535 : solved problem, known since AS4.3.06 SP, solved since AS4.4.06 SP

Transfer no longer possible after setting up a target system in APC600 or APC700 product family
An Automation Runtime conflict is always reported.

ID#400261328 : solved problem, known since AS4.4.06 SP, solved since AS4.4.06 SP

Compatible hardware modules not recognized
Compatible hardware modules are not recognized in the preparation steps for a project installation. This rejects the installation of a configuration on compatible hardware. This error correction makes it possible to install configurations on compatible hardware again.

ID#400258474 : solved problem, known since AS4.5.01, solved since AS4.4.06 SP

Offline installation not possible with simulated hypervisor target
If the hypervisor is enabled in a project, menu option "Project installation / Offline install" cannot be selected if simulation is also enabled. The corresponding menu option in the quick access toolbar is also disabled.
In this constellation, this error correction enables the menu option and the associated menu option in the quick access toolbar.
In addition, this correction disables menu option "Create USB install stick" for this constellation.

ID#400258549 : solved problem, known since ARSG4_4.34.7_G04.34, solved since AS4.4.06 SP

Contents of transfer instruction list changed
Structure "RemoteInstall" has been changed so that USERROM entries are no longer deleted.

ID#400257533 : solved problem, known since AS4.4.04, solved since AS4.4.05 SP

Component not localized

ID#400245536 : solved problem, known since ARSG4_4.34.5_E04.34, solved since AS4.4.05 SP

Misleading error message if installation disk is slightly too small
If the installation disk is slightly too small a misleading error message was shown. The calculation of required disk space was changed. The corresponding error message was simplified.

Diagnostics – Analyse Network

ID#400258159 : solved problem, known since AS4.3.08 SP, solved since AS4.4.07 SP

Cycle time calculated incorrectly
The cycle time calculation returns an incorrect result.

ID#400259797 : solved problem, known since AS4.3.06 SP, solved since AS4.4.06 SP
"Analysis network" throwing exception when calculating cross-communications of ICN modules and X20 slices

Diagnostics – Debugger

ID#400269770 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
Since usage of GDB 6.3 some breakpoint information where misinterpret
With this fix GDB 6.3 breakpoint information where read correctly.

ID#400272997 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Callstack navigation does not work with GDB 6.3.
By click on a callstack entry AutomationStudio does not point the cursor to the corresponding source line in editor.
With this fix it is possible to navigate to the corresponding source line for each frame in callstack.

Diagnostics – Logger

ID#400237586 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Logger lacking descriptions for when very large text strings are used in TMX files
The error occurs if the length of the UTF-8 character encoding of a text string exceeds 10,000 bytes.

ID#400257567 : solved problem, known since AS4.4.04, solved since AS4.4.07 SP
Incorrect selection when opening the Logger
If the Automation Studio Logger is opened, the oldest log entry was incorrectly selected. This has been corrected and the newest log entry is selected again.

Diagnostics – Motion – NC Trace

ID#400151208 : solved problem, known since nicht relevant, solved since AS4.4.05 SP
ARNC0 Trace: Trace data not matching trigger delay
If a negative trigger delay of e.g. 3 seconds is set, the trigger event is only visible in the trace recording at a later time (e.g. 4.2 seconds).

Diagnostics – Trace

ID#400268925 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Incorrect display of the trace status when using multiple trace instances at the same time
If several instances of the variable trace are started for different tasks, the status of the trace may be displayed incorrectly. Trace recording is running on the target system, but Automation Studio indicates that the trace configuration must first be installed.

ID# 400256237, 400258402 : solved problem, known since AS4.3.06 SP, solved since AS4.4.05 SP
Error when starting multiple trace recordings
If a second trace is started in Automation Studio Trace in addition to a running trace recording, the first recording may be stopped. This error has been corrected; several parallel trace recordings are possible again.

IO Configuration – CANopen

ID#400215653 : solved problem, known since AS4.2.09 SP, solved since AS4.4.06 SP
CANopen networks with many slaves not always starting
If CANopen networks consisting of many slaves with many objects to be transferred are put into operation, then CANopen communication may not start.

IO Configuration – DTM

ID#400273589 : solved problem, known since AS4.4.06 UP, solved since AS4.4.07 SP
Default value of property "netX configuration file" empty
If the default value of property "netX configuration file" is restored in the editor, the value of this property remains empty.

ID#400257547 : solved problem, known since AS4.4.04, solved since AS4.4.06 SP
Possible problems caused by terminal CPUs with DTM devices
If a terminal CPU is also used in a project in addition to the obligatory main CPU, it is possible that channels of DTM devices cannot be assigned correctly.

ID#400252116 : solved problem, known since AS4.3.05 SP, solved since AS4.4.06 SP
Group names with DTM devices not copied
If DTM devices are copied and pasted again, the names of the groups in the channel configuration are not copied in their configuration.

ID#400242547 : solved problem, known since AS4.3.04 SP, solved since AS4.4.05 SP
Possible errors when opening project with DTM devices
If a project with DTM devices is opened that was created with an older version of Automation Studio, errors may occur under certain circumstances.

ID#400246725 : solved problem, known since AS4.2.11 SP, solved since AS4.4.05 SP
Cannot add HART and IO−Link modules
If HART modules (X20AI2438, X20AO2438) and/or IO−Link modules (X20DS438A, X67DS438A) are used and deleted in a project, it is possible that none of these modules can be added again afterwards.

ID# 400184228, 400214028 : new function since AS4.4.06 SP
Address of some fieldbus systems not displayed
The address of fieldbus systems with non−numeric addressing is not displayed correctly.

IO Configuration − DTM 3rd party

ID#400279203 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
DTM devices with special characters in name causing errors
If projects are opened with DTM devices whose device names also contain special characters such as "," these devices may not be found.

ID#400275292 : solved problem, known since AS4.5.02, solved since AS4.4.07 SP
Implicit deletion of additional devices possible when deleting DTM device from the 3rd−party device manager
If a DTM device whose source file contains several DTM devices is deleted from the 3rd−party device manager, these devices are implicitly deleted without the knowledge of the user.

ID#400236717 : solved problem, known since AS4.3.04 SP, solved since AS4.4.05 SP
HART modules do not work correctly after copy−and−paste
If HART modules are copied and then pasted (X20AI2438, X20AO2438), it can happen that these modules do not function in the correct operating mode.

ID#400242368 : solved problem, known since AS4.3.04 SP, solved since AS4.4.05 SP
Channels of DTM slave devices not displayed
With slave devices that supply identical names for some channels, it is possible that several channels are not displayed in the I/O mapping.

IO Configuration − Modbus TCP

ID#400270742 : solved problem, known since AS4.7.01, solved since AS4.4.07 SP
Stuck booting when Modbus slave connected to X20IF2181−2
When Modbus slave is connected to X20IF2181−2 the arconfig output at project build is wrong (no slave is detected at master) and booting sticks.

ID#400262712 : solved problem, known since AS4.4.04, solved since AS4.4.06 SP
Not possible to delete block Modbus ModbusTCP_any module configuration
When deleting a block Modbus ModbusTCP_any module configuration, an error popup window is displayed and the block is not removed from the configuration. If the delete procedure is performed again, an error occurs again.

IO Configuration − Profibus

ID# 400255580 : solved problem, known since AS4.3.03, solved since AS4.4.05 SP
Possible problems caused by imported PROFIBUS GSD files
If GSD files are imported as fieldbus devices that use a hex number as text references, no assignment of parameters to associated texts can be made.

Programming − ANSI C

ID#400274084 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
Double−clicking on a position in the call stack not always positioning to the corresponding position in the text editor
Automation Studio crashing in text editor if the tooltip for structure variables should be displayed
ID# 400256447, 400266806 : solved problem, known since AS4.4.xx [FR001041.0], solved since AS4.4.06 SP

No structure elements offered in ANSI C editor if variable declared in a header file
ID#400260142 : solved problem, known since AS4.3.07 SP, solved since AS4.4.06 SP

Indentation after “for” loops not always working in ANSI C/C++ source files

Programming – ANSI C++
ID#400274213 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP

No class members offered in autocomplete in ANSI C++ editor after entering a delimiter
ID#400249861 : solved problem, known since AS4.3.05 SP, solved since AS4.4.05 SP

Not all elements of a structure offered in code autocomplete after entering a period in the ANSI C++ editor
ID#400231371 : solved problem, known since AS4.2.09 SP, solved since AS4.4.05 SP

New structure elements not immediately available in SmartEdit selection list

Programming – Automation Basic
ID#612350 : solved problem, known since AS4.2.13 SP, solved since AS4.4.06 SP

Module context not set correctly when opening a source file from the software configuration
If a program is mapped to tasks multiple times, then it can happen that the module context is not set correctly when opening a source file for this program from the software configuration.
ID#400226632 : solved problem, known since AS4.2.09 SP, solved since AS4.4.06 SP

Module context not set correctly when opening a source file from the software configuration
If a program is mapped to tasks multiple times, then it can happen that the module context is not set correctly when opening a source file for this program from the software configuration.

Programming – Data Type Declaration Table Editor
ID#400260291 : solved problem, known since AS4.3.07 SP, solved since AS4.4.06 SP

Automation Studio crashing table–based data type declaration editor during copy/paste

Programming – Function Table Editor
ID# 400248894, 400249982 : solved problem, known since AS4.3.05 SP, solved since AS4.4.05 SP

Cannot copy parameters of functions, function blocks and structure elements to another file

Programming – IO Configuration Editor
ID#400267999 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP

Only 10 SL→SL connection displayed after adding X20SL8101 for the first time
If an X20SL8x is added to a project for the first time AND Safety Release 1.10 is not set yet, then only 10 SL→SL connections are displayed in the configuration of the SafeLOGIC controller.

Programming – IO Mapping Table Editor
ID#400256410 : solved problem, known since AS4.3.06 SP, solved since AS4.4.07 SP

.iom file not updated when renaming hardware module

Programming – LD
ID#400243519 : solved problem, known since AS4.2.11 SP, solved since AS4.4.06 SP

Delay of several seconds when exiting input mode in Ladder Diagram editor
This delay occurs if the ladder diagram contains a large number of networks and automatic variable declaration is enabled.
ID# 400243417, 400253413 : solved problem, known since AS4.3.05 SP, solved since AS4.4.06 SP

Program section erroneously displayed as not being run through when enabling synchronous Powerflow mode
ID#400254316 : solved problem, known since AS4.3.06 SP, solved since AS4.4.05 SP

Values of individual bits not displayed correctly in synchronous Powerflow mode in the Ladder Diagram editor
If a constant variable is used as a bit offset in the Ladder Diagram editor when accessing an individual bit, the value of this bit is not displayed in synchronous Powerflow mode.
ID#400243271 : solved problem, known since AS4.2.11 SP, solved since AS4.4.05 SP

No values displayed in monitor mode of an action created in Ladder Diagram
ID#400250785 : solved problem, known since AS4.3.05 SP, solved since AS4.4.05 SP
No values displayed in Ladder Diagram editor if the file header contains a block comment and monitor mode in actions is enabled.

ID#400248315 : solved problem, known since AS4.3.05 SP, solved since AS4.4.05 SP
Replacing an expression in a selected area also replacing expressions outside the area.

**Programming – Motion – Acopos Parameter Table Editor**

ID# 400269878, 400271150 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Parameters missing when adding motor to ACOPOS parameter table.
If MotorInduction.any or MotorSynchronous.any is added from the Hardware Catalog to the ACOPOS parameter table, some parameters are missing.

**Programming – OPC Tag Editor**

ID# 400236415, 400251221 : solved problem, known since AS4.3.04 SP, solved since AS4.4.06 SP
Possible errors with "Search in files" and OPC tag files.
If the "Search in files" function is executed in a configuration with OPC tag files, this can cause errors if monitored OPC tags exist whose structure data type has changed.

**Programming – OPC UA Default View Editor**

ID#400279110 : solved problem, known since AS4.4.06 UP, solved since AS4.4.07 SP
Possible for arrays of numeric data types to be incorrectly selected as data source (sink) for numeric input/output fields.
In the mapp View content editor, arrays of numeric data types can also be selected as data sources or data sinks for numeric input/output fields.

ID#400275086 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
When converting from file format 3 to file format 4 some rights are not transferred correctly.

ID#400273627 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
Deleting invalid entry(task) removes all the tags temporarily, after Refresh Default View these are displayed again.

ID#400266736 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Global variables with limited visibility not displayed in the default view.
Variables from variable declaration files with visibility "Restricted to current package" are not displayed in the OPC UA default view under node <Default>.

ID#400251788 : solved problem, known since AS4.3.06 SP, solved since AS4.4.05 SP
"Error parsing an OPC UA configuration module" if the time format set in Windows has no ":" set as the delimiter.
The time format set in Windows must be HH:mm or HH:mm:ss. Delimiters other than ":" are rejected by Automation Runtime.

**Programming – Software Configuration Editor**

ID#40027521 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Software configuration editor constantly rebuilt if editor opened together with the project.

**Programming – ST**

ID# 400284704, 400284708 : solved problem, known since AS4.4.04, solved since AS4.4.07 SP
Incorrect function block instance set in text editors in monitor mode when using "Go to implementation".

ID#400274489 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
Text editor displaying incorrect tooltip in function blocks when debugger hits breakpoint.

ID#400255847 : solved problem, known since AS4.3.06 SP, solved since AS4.4.06 SP
Variable value not displayed correctly in tooltip when monitor mode enabled.
If a variable is an array and the array elements are structures, then the values displayed in the tooltip are only correct when first displayed. If the mouse pointer is positioned over the variable again, the displayed values are not updated.

ID# 400234603, 400254497, 400253164 : solved problem, known since AS4.2.11 SP, solved since AS4.4.05 SP
Connection to incorrect CPU after configuration change.

ID#400247867 : solved problem, known since AS4.3.04 SP, solved since AS4.4.05 SP
Invalid tooltips displayed in text editor when monitoring function block instances.
Programming – System Configuration

ID#400275619 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
Deleting an axis feature reference not working
Deleting an axis feature reference from a drive configuration has no effect.
The reference is entered again after reopening the configuration editor.

ID#400273828 : solved problem, known since AS4.4.06 UP, solved since AS4.4.07 SP
SDM running and accessible on terminal device even if disabled in the configuration

ID#617015 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Cannot display hardware configuration if several hardware modules are selected that contain a different number of dynamic nodes
If several hardware modules are selected in the Physical View of the project, the common properties of these hardware modules are displayed in the properties window.
If the selected hardware modules now have a different number of dynamic nodes, such as dynamic channels of OpcUa.any or dynamic blocks in the channel configuration of ModbusTcp.any, then a null reference exception occurs. This is also displayed in the Automation Studio output window, and no common properties can then be displayed.

ID#400265102 : solved problem, known since AS4.3.07 SP, solved since AS4.4.06 SP
Crash when adding another lease configuration.
If the mode is changed to “DHCP server” in the configuration of an Ethernet interface and then another lease configuration is added via the shortcut menu, Automation Studio crashes with an argument exception.

ID#400247801 : solved problem, known since AS4.3.05 UP, solved since AS4.4.06 SP
Not possible to assign PS/2 keyboard .dis file to VNC server on a PP480 terminal

ID#400233172 : solved problem, known since AS4.3.04 SP, solved since AS4.4.05 SP
Saving the hardware configuration editor taking a long time
Initial situation:
  * The I/O mapping of a DTM hardware module is displayed in the Automation Studio properties window.
  * The configuration of the hardware module is opened in an editor window.
  * The values of several parameters of the hardware module are changed.
  * The editor contents are saved.

Saving takes even longer if more parameters have been modified.

ID#400243724 : solved problem, known since AS4.3.04 SP, solved since AS4.4.05 SP
Configured channels no longer displayed after reopening the I/O configuration
If the channel configuration of a DTM is changed, the new channel configuration is displayed in the I/O configuration of the netX module. After reopening the I/O configuration, however, the original channels are displayed again.
The problem can be avoided by first selecting the netX module with the left mouse button before opening the I/O configuration (which is done using the shortcut menu).

Programming – System Designer

ID#400273253 : solved problem, known since AS4.4.xx [FR001041.0], solved since AS4.4.07 SP
"SystemNullReferenceException" when resizing text box
If a module and text box are selected in System Designer and then the size of the text box is changed, "SystemNullReferenceException" occurs and Automation Studio no longer responds.

Programming – XML Editor

ID#400250529 : solved problem, known since mappView 5.2.0, solved since AS4.4.05 SP
Comment incorrectly revoked in XML editor

Tools – Import Fieldbus Device

ID#400254875 : solved problem, known since AS4.3.06 SP, solved since AS4.4.06 SP
Re-imported fieldbus devices not applied when project reopened
If an imported fieldbus device is used in a project and a new version of it is imported while the project is open, Automation Studio must be restarted.

ID#400227633 : solved problem, known since AS4.3.03, solved since AS4.4.05 SP
Fieldbus devices re-imported when opening a project
If a project containing previously imported fieldbus devices and their fieldbus description files is opened from a ZIP file, they are re-imported.
Tools – Import/Export EPLAN P8
ID#400265132 : solved problem, known since AS4.3.07 SP, solved since AS4.4.07 SP
ECAD export unable to export PLK hubs
A project that contains POWERLINK hub modules cannot be exported. The EPLAN standard exchange format 1.0 does not support hubs. If the export terminates, however, a PV and hardware module lists can also be exchanged.

Tools – Manage 3rd Party Devices
ID#400270290 : solved problem, known since AS4.4.06 SP, solved since AS4.4.07 SP
Possible duplicates from frozen DTM modules
If DTM modules are frozen, it is possible that these modules appear 2x in the Hardware Catalog and 3rd-party device manager.

ID#600490 : solved problem, known since mapp Motion 5.0.0, solved since AS4.4.05 SP
Misconfiguration of mapp Motion axis assignment not detected in Automation Studio
mapp Motion axes can be assigned to a drive multiple times. This error is not recognized until runtime.
Corrected in combination with mapp Motion V5.4.0.

Tools – Technology Guarding
ID#400278697 : solved problem, known since AS4.3.08 SP, solved since AS4.4.07 SP
Automatic license extension not possible if Automation Studio licensing was originally performed in an older version

Tools – Upgrade
ID#400257765 : solved problem, known since AS4.4.05 SP, solved since AS4.4.06 SP
Only one version of a hardware upgrade installed if attempting to install two different versions of one type at the same time
ID# 400257517, 400257765 : solved problem, known since AS4.4.04, solved since AS4.4.05 SP
Already installed hardware upgrades again being offered for installation

VisualComponents Editor – VC4
ID# 400263449, 400262721, 400264530, 400265664, 400265670, 400263942, 400267174, 400258318, 400267048, 400259911, 400268683, 400269318, 400271084, 400270070, 400270231, 400271736, 400272212, 400272273, 400271912, 400272998, 400274322, 400274385, 400274852, 400273262, 400275998, 400276291, 400275392, 400276416, 400279903, 400281557, 400277156, 400282868 : solved problem, known since AS4.2.12 SP, solved since AS4.4.07 SP
Sporadic Automation Studio crash if the VC4 editor is opened as part of an Automation Studio project
If the VC4 editor is opened as part of an Automation Studio project, Automation Studio may sporadically crash. This occurs especially if the VC4 editor is maximized or resized.
The problem occurs with Windows 10 version 1803 or later.

Workspace – Common
ID# 400282344, 400276219, 400283378 : solved problem, known since AS4.4.06 UP, solved since AS4.4.07 SP
Crash when closing the TMX editor
When closing the TMX editor, the system crashes depending on the number of configured languages.

ID#400266073 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Automation Studio crash when opening user-specific settings
If dialog box “SmartEdit” or “Editors” accessible via menu “Tools / Options” is opened, Automation Studio crashes if certain Technology Packages have been installed.

ID#400257383 : solved problem, known since AS4.3.04 SP, solved since AS4.4.06 SP
If an IP address other than the default IP address (127.0.0.1) is configured for a standard PC, the connection is still established using the default IP address after Automation Studio is closed and restarted.

ID#400259395 : solved problem, known since AS4.4.04, solved since AS4.4.06 SP
Automation Studio crash if "Unit test" start page not available but starting unit tests after transfer is enabled

ID# 400258220, 400257941, 400260629, 400263160 : solved problem, known since AS4.4.04, solved since AS4.4.06 SP
Cannot open Automation Studio projects on systems with Russian language settings
ID# 400213324, 400226752, 400236358, 400241747, 400240596, 400248666, 400248645 : new function since AS4.4.05 SP
Configurable stratum of local clock
The quality of the local clock of an NTP server is freely selectable by configuring the stratum.
Workspace – Configuration View
ID#400259430 : solved problem, known since AS4.4.04, solved since AS4.4.06 SP
Changes in CPU property pages not saved correctly
If several settings are changed simultaneously in different CPU property pages, they are not saved correctly.

Workspace – Export/Import
ID#4002666536 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Text system files (TMX) not taken into account when exporting a library
If a library contains a TMX source file, it will not be exported.
If this library is then used in another project, the texts stored in this file are not available in the text system.

Workspace – Find/Replace
ID#400267590 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Replace in files not working for configuration files
Replace in files does not work for configuration files when the editor is closed.

ID#400249985 : solved problem, known since AS4.3.06 SP, solved since AS4.4.06 SP
Incorrect search term is searched for
If two search operations in a row take place in a text editor and the second search term is part of the first, the first search term is also searched for during the second search operation.

Workspace – Ladder Catalog
ID#400251145 : solved problem, known since AS4.3.05 SP, solved since AS4.4.05 SP
Function block MC_BR_JogVelocity contained twice in Ladder Diagram Catalog

Workspace – Logical View
ID#400270269 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
Cannot move OPC UA remote server configuration .uaserver within the mapp View directory

ID#400269468 : solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP
AS crash when adding user library
If a user library with an invalid name that is too long (>10 characters) is added to a project, AS crashes if the library is added several time.

Workspace – Output Windows
ID#400257198 : solved problem, known since AS4.4.04, solved since AS4.4.05 SP
AS crash when changing HwUpgrade of Safe MC Module 8BVSV2SAFE−1 from 1.10.1.2 to 1.10.1.3 (project converted from AS 4.3)
ID#400252447 : solved problem, known since AS4.3.05 SP, solved since AS4.4.05 SP
Cursor moves to output window during build
If the output window is set to "auto−hide", then the cursor is moved there with each new output line during compilation

Workspace – Physical View
ID#400274795 : solved problem, known since AS4.4.04, solved since AS4.4.05 SP
Address calculation for second LS182 board in APC incorrect if using a hub in the PLK line
ID#400260279 : solved problem, known since AS4.3.06 SP, solved since AS4.4.06 SP
Not possible to enter node number for X67 module if connected to X20BT...

ID#400259343 : solved problem, known since AS4.1.16 SP, solved since AS4.4.06 SP
New module not disabled if replacing disabled X20 module
ID#400259822 : solved problem, known since AS4.4.04, solved since AS4.4.06 SP
Invalid version information in hardware file (only from a SP) preventing AS version from being read correctly
ID#400258060 : solved problem, known since AS4.4.04, solved since AS4.4.06 SP
Installing motor upgrades not completed
ID#400251955 : solved problem, known since AS4.3.05 SP, solved since AS4.4.06 SP
New hardware module version not fully recognized until project reopened.
When replacing an ACOPOS hardware module, the drive configuration parameters of an ACOPOS drive are only correctly displayed after the project has been closed and reopened.

**Workspace – Setup**

ID #400260426: solved problem, known since AS4.4.04, solved since AS4.4.06 SP

Option "openSAFETY−over−UDP tunnel" missing on AREmb devices

Option "openSAFETY−over−UDP tunnel" cannot be enabled in AREmb mode for the following device types:
- xPC9xx
- xPC21xx

ID #400258114: solved problem, known since AS4.4.04, solved since AS4.4.06 SP

Syntax for IP address not checked for modules "openSAFETYoverUDPTunnel" and "ModbusTcp_any"

**Workspace – Startpage**

ID #400260111: solved problem, known since AS4.4.04, solved since AS4.4.07 SP

Home screen corrected

The link to the OPC UA project has been deleted in AS 4.3 and later.

**Workspace – Textsystem**

ID #400270167: solved problem, known since AS4.4.05 SP, solved since AS4.4.07 SP

Import of text files not possible if project contains referenced text files

If there is a TMX file in the opened Automation Studio project and a referenced file that refers to this file, an unjustified error message is generated when importing texts. This error message has been removed.

The referenced file can be deleted as a workaround.

**Workspace – Unit System**

ID #400263670: solved problem, known since AS4.4.04, solved since AS4.4.06 SP

Project compiled incorrectly if identical unit ID and namespace in different .unit files

If units with the same unit ID / namespace are defined in different .unit files, the project will not be compiled correctly. The compilation process does not return an error in the output window, however. An error may occur when creating the transfer list.

ID #400248910: solved problem, known since AS4.3.04 UP, solved since AS4.4.05 SP

Some references of user−defined units not working

If a reference to another unit is made for a user−defined unit, it may not be possible to convert between these two units. For example, with references to "Pounds force per square inch". The reason for this is an incorrect sequence of the basic units. This must be in alphabetical order.