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Release Notes

Addressed In: 3.0.31 (18 item(s))

CR Number: 5235

Component: TDE

Fix: Possible error when copying columns in TDE containing dynamic INOUT objects with structs containing arrays of unions with OUT only passing direction.

CR Number: 5234

Component: Support

Fix: Error creating support files with path names longer than 100 characters.

CR Number: 5233

Component: SCE

Fix: Misleading call trace display when multiple work tasks are called in one time step (second work task was displayed as called from first work task in actual call trace view).

CR Number: 5232

Component: Driver

Fix: Generating test driver containing function declaration longer than 1024 characters failed.

CR Number: 5231

Component: TIE

Fix: Missing `__attribute__((packed))` when creating synthetic struct of that type.

CR Number: 5230

Component: Driver

Fix: Possible error generating driver for advanced stub pointer to struct parameter.

CR Number: 5227

Component: Cosmic S12X/ZAP/TRACE32

Fix: ZAP and TRACE32 cannot handle Cosmic's S12X generated short path names. Changed the makefile templates to use the long path names instead.

CR Number: 5225

Component: Makefile Templates

Fix: Substituted missing 'type' command by 'cat' in respective makefile templates.

Addressed In: 3.0.31 (18 item(s))**CR Number: 5224**

Component: IDB

Fix: Possible error in interface database, when a function pointer inside a struct uses the struct itself as parameter.

CR Number: 5223

Component: IAR Makefile Templates

Fix: Erroneous debug logging option removed (applicable only when makefile logging was activated).

CR Number: 5222

Component: TI TMS570 / PLS UDE

Fix: Slave file name corrected and board files handling added.

CR Number: 5221

Component: NEC V850 / SMV850

Fix: TEE configuration updated.

CR Number: 5220

Component: Renesas HEW

Fix: Do not write the communication script file when restarting master process in receive mode.

CR Number: 5219

Component: Makefile Templates - ARM RVDS

Fix: All ARM RVDS makefile templates missed the TS_HAVE_INT64 define.

CR Number: 5218

Component: Fujitsu FFMC16/32 / Softune

Fix: Enable correct handling of startup code file names containing spaces.

CR Number: 5217

Component: UCE

Fix: Quoted keywords in user code editor are not highlighted anymore.

CR Number: 4855

Component: Driver

Fix: Name conflict in generated driver if a static variable has the same name as a parameter of an external stubbed function.

CR Number: 4854

Component: Driver

Fix: Name conflict in generated driver when a test object parameter name equals the name of a called function,

Addressed In: 3.0.30 (41 item(s))**CR Number: 5215**

Component: Tasking VX / XC166

Fix: Tasking VX / XC166 configurations updated to support the latest compiler version.

CR Number: 5214

Component: TESSY/CTE

Fix: Loss of test data in CTE test cases after copying a module and adding a new test case in CTE.

CR Number: 5212

Component: MPLAB X / XC8

Fix: Problems with running tests on actual hardware fixed.

CR Number: 5211

Component: Wind River Workbench Slave

Fix: Communication error with latest Wind River compiler version.

CR Number: 5210

Component: CSPY RL78 MT

Fix: Removed duplicate FAR linker define.

CR Number: 5209

Component: IDA

Fix: Search for previous/next unassigned.

CR Number: 5206

Component: Driver

Fix: Prevent possible crashes of driver32.exe on specific computers under specific circumstances.

CR Number: 5204

Component: Parser

Fix: Parser accepted duplicate parameter names in function declarations, e.g. "extern int mul(int a, int a)".

CR Number: 5203

Component: Parser

Fix: Ignore multiple occurrence of equal named static functions in different source files (if more than one file is assigned to a module).

CR Number: 5202

Component: IDB

Fix: Possible loss of test data in rare cases if an error occurred during automatic compare/reuse.

CR Number: 5201

Component: Import

Fix: Test data could erroneously be imported to test objects with REUSE or REMOVED state.

Addressed In: 3.0.30 (41 item(s))**CR Number: 5199**

Component: IDB

Fix: Enhanced automatic assignment of anonymous structs and unions.

CR Number: 5198

Component: TEE / Fujitsu Softune(6) Workbench

Fix: A backslash was missing within the "Slave Call" attribute value.

CR Number: 5197

Component: Microchip XC8 Compiler

Fix: Supporting additional compiler specific keywords and declarations for Microchip XC8 compiler.

CR Number: 5196

Component: Parser / Cosmic

Fix: Fixed reading #pragma space directives with omitted kind specifier.

CR Number: 5194

Component: Melexis Compiler

Fix: Compilation failed if the Melexis compiler is installed into a path containing white spaces.

CR Number: 5193

Component: Parser / Microchip XC8

Fix: Support of `__attribute__` keyword added.**CR Number: 5192**

Component: Parser

Fix: Support #pragma ASM/ENDASM with upper case letters.

CR Number: 5190

Component: Import

Fix: Error updating pass direction of unions in dynamic objects during test data import (the complete unions passing was set)

CR Number: 5188

Component: Driver

Fix: Missing memory modifier in declaration of anonymous unions.

CR Number: 5187

Component: TIE

Fix: Error in setting default passing for advanced stub variables that have pointers to structs inside structs (must be IRRELEVANT).
Possible to set invalid passing via 'Reset Default Passing' for these pointers.**CR Number: 5186**

Component: IDB

Fix: Possible loss of test data during automatic reuse when a function call was removed from a test object.

Addressed In: 3.0.30 (41 item(s))**CR Number: 5185**

Component: TDE

Fix: Scrolling issues in TDE fixed that could cause values being inserted into previously selected cells instead of the cell currently displayed as being selected.

CR Number: 5184

Component: Driver

Fix: Error in generated code for static OUT pointer with the "far" qualifier leading to wrong evaluation of the pointer value.

CR Number: 5183

Component: Parser /Microchip XC8

Fix: Support of type __bit added.

CR Number: 5180

Component: IDA

Fix: Error reusing ranges with enum constants when constant value changes.

CR Number: 5179

Component: MPLAB X

Fix: Adapted communication modules due to changes of the MPLAB X integration SDK.

CR Number: 5178

Component: Parser / IAR V850

Fix: Support of "Ignore _Pragma" directives.

CR Number: 5177

Component: Parser / IAR AVR

Fix: Support intrinsic function keywords __z and __x_z in IAR AVR header files.

CR Number: 5176

Component: Wind River Tricore / PLS UDE

Fix: Updated configuration files for Wind River Tricore / PLS UDE.

CR Number: 5175

Component: TDE

Fix: Error entering ranges containing defines to hexadecimal numbers.

CR Number: 5174

Component: TIE

Fix: Value of unknown enum constant values could not be edited in module interface.

CR Number: 5173

Component: Import

Fix: Error importing nested dynamic objects (i.e. dynamic objects containing structs with pointers to other dynamic objects).

Addressed In: 3.0.30 (41 item(s))**CR Number: 5172**

Component: Parser

Fix: Failed to analyze the module if an initialization uses a component of the variable being initialized.

CR Number: 5171

Component: TDE

Fix: Error saving dynamic INOUT struct containing OUT only union.

CR Number: 5170

Component: SCE

Fix: Added static component functions into the filter dialog for the actual call trace. They are initially deselected (i.e. filtered out of the call trace).

CR Number: 5168

Component: Report

Fix: Unreferenced OUT dynamic arrays (i.e. not used for a given test step) were erroneously reported with "no values" within the test details report.

CR Number: 5167

Component: TI TMS470 / TRACE32

Fix: Missing defines for float/double value conversion added to communication makefile.

CR Number: 5166

Component: MPLAB X / XC16

Fix: Missing defines within the makefile template added.

CR Number: 5165

Component: µVision / Keil (X)C166

Fix: Adapted the include paths within the TEE configuration and makefile templates for Keil µVision/ XC166 .

CR Number: 2307

Component: Parser

Fix: Possible failure in recognizing enum constants in rare cases (i.e. enum constants were missing within the interface database).

Addressed In: 3.0.29 (21 item(s))**CR Number: 5164**

Component: TI

Fix: Failed to add TEE attribute values to PATH variable if the initial PATH variable contained more than MAX_PATH (260) characters.

CR Number: 5163

Component: Target Communication

Fix: New feature: Optional checksums may be added for all data being exchanged between TESSY and the target debugger. This provides validation of the transferred data during the test and may be activated in case of problems with the target communication.

Addressed In: 3.0.29 (21 item(s))**CR Number: 5162**

Component: Driver

Fix: Synthetic variables in C++ did not work inside namespace.

CR Number: 5160

Component: Coverage Measurement

Fix: If called functions contained static local variables and the coverage measurement was set to "Test Object Only", these called functions were nevertheless shown in the coverage viewer.

CR Number: 5159

Component: CTE

Fix: Synchronization problems between CTE and TESSY within CTE perspective fixed when working with large interfaces and large classification trees.

CR Number: 5158

Component: SCE / Report

Fix: Input and output test data values of INIT time step added to test details report.

CR Number: 5157

Component: IDB

Fix: Possible unintended change of structure passing direction during compare/merge when opening modules.

CR Number: 5156

Component: Driver

Fix: Possible wrong declaration order of structs if a struct is used as parameter in a function pointer inside another struct.

CR Number: 5154

Component: Import

Fix: In case of multiple stub functions containing evaluation macros the imported stub function code could be corrupted: If there was test item specific code for the same test item for different stub functions, the code was converted into the wrong internal representation used for the test driver source code.

CR Number: 5153

Component: TI TMS 320

Fix: The "Library" attribute needs to be entered with full path now.

CR Number: 5152

Component: Component Test

Fix: Scenario attributes (Description, Specification, Comment) got lost during module backup/restore operation.

CR Number: 5150

Component: Import 2.9

Fix: Test cases possibly got lost when importing a test object from a TESSY v2.9 TMB file that has only test cases with more than 32 test steps each.

Addressed In: 3.0.29 (21 item(s))**CR Number: 5148**

Component: Report

Fix: If a module contained more than one source file only the header files of the last source file were listed within the report XML file and test details report.

CR Number: 5146

Component: IDA

Fix: Opening modules could fail if the source file contains struct variables without previous declaration of the respective struct type.

CR Number: 5145

Component: Report

Fix: Missing call trace table in test details report when no inputs/outputs were available but only call trace is checked.

CR Number: 5144

Component: Call Trace

Fix: Enhancement: Available functions in calltrace view sorted alphabetically.

CR Number: 5143

Component: Driver

Fix: Compilation of generated test driver code failed for advanced stub if an IN pointer parameter was targeting an artificial variable.

CR Number: 5142

Component: ASAP Conversion

Fix: Error handling enhanced when reading the ASAP file fails.

CR Number: 5141

Component: Microchip XC8/XC32 / MPLAB X

Fix: Configuration settings updated.

CR Number: 5137

Component: HighTec Tricore / PLS UDE

Fix: Configuration settings enhanced.

CR Number: 5136

Component: Import

Fix: Test data import failed if the XLS file contained "**unknown**" data values.

Addressed In: 3.0.28 (19 item(s))**CR Number: 5140**

Component: TDB

Fix: Possible loss of pointer values if pointer target is an array element of a dynamic object.

Addressed In: 3.0.28 (19 item(s))**CR Number: 5138**

Component: Wind River TriCore / UDE

Fix: New compiler/target integration Wind River TriCore compiler and PLS UDE debugger.

CR Number: 5134

Component: SCE

Fix: The "Test Definition" view can now also display properties of scenarios.

CR Number: 5133

Component: TESSY / C++

Fix: Ignore "Enable User Includes" and "Enable setjmp/longjmp" attributes for C++ modules.

CR Number: 5131

Component: Wind River Compiler

Fix: Compiler path spaces in dcc.sh script.

CR Number: 5130

Component: IDB

Fix: Problem compare/reusing inner anonymous structs/unions.

CR Number: 5129

Component: TESSY

Fix: Changed file hierarchy in working folder to prevent errors due to long file names

CR Number: 5128

Component: TESSY

Fix: Disable changing the environment on elements other than modules.

CR Number: 5127

Component: Instrumenter / C++

Fix: Instrumenting source if multiple namespaces are defined.

CR Number: 5125

Component: Parser / Tasking Tricore VX

Fix: Support of #pragma pack restore.

CR Number: 5124

Component: SCE

Fix: Import of CTE test cases for component test from Tessy 2.9.

CR Number: 5123

Component: Overview Report

Fix: Failed test cases could possibly be counted as passed in overview report which caused the reported test case count being wrong. Nevertheless, the test object and overall results were calculated correctly in all cases.

Addressed In: 3.0.28 (19 item(s))**CR Number: 5122**

Component: Report

Fix: Wrong test object success tags in report XML file (were not used in generated PDF report).

CR Number: 5121

Component: Parser / IAR RL78

Fix: Ignore _Pragma directives.

CR Number: 5119

Component: Parser / IAR 8051

Fix: Ignore @address directive at variables

CR Number: 5118

Component: IDA

Fix: Assignment/deassignment of defines.

CR Number: 5117

Component: IDA

Fix: Possible error reusing stubs for functions with undefined interface objects.

CR Number: 5116

Component: CodeWarrior master

Fix: MinGW fix applied for CodeWarrior's TESSY-master file.

CR Number: 5087

Component: CTE

Fix: Properties of test cases and test steps created from CTE could be changed outside of the CTE perspective.

Addressed In: 3.0.27 (16 item(s))**CR Number: 5113**

Component: Microchip XC32 / MPLAB X

Fix: New compiler/target integration Microchip XC32 and MPLAB X.

CR Number: 5111

Component: Driver

Fix: Windows function "SetErrorMode" erroneously generated to slave for some GNU based target compilers.

CR Number: 5110

Component: Parser

Fix: Error with more than 31 different pragmas relevant for variables.

CR Number: 5109

Component: TESSY

Fix: Prevent loss of attributes when importing a module with unknown environment.

Addressed In: 3.0.27 (16 item(s))**CR Number: 5108**

Component: Instrumenter

Fix: Instrumenter crashed on large #pragma asm/#pragma endasm blocks.

CR Number: 5106

Component: Evaluation

Fix: Evaluation of boolean variables failed when expected value contains an operator and/or a hexadecimal number (e.g. '!= 0x1', '>0' etc.).

CR Number: 5105

Component: TESSY

Fix: Limit console output to 100,000,000 characters, cut down to last 1,000,000 when limit is exceeded.

CR Number: 5104

Component: TDE

Fix: Union component selector read only if only one component is available to enter test data.

CR Number: 5103

Component: TESSY

Fix: Set new test steps to be executable, if the interface has no IN variables.

CR Number: 5099

Component: Microchip MPLAB X

Fix: Made TEE "Target Configuration" attribute visible by default.

CR Number: 5095

Component: TESSY

Fix: An erroneous test object result was displayed when creating a report for a not executed test object (in test data only mode).

CR Number: 5094

Component: Report

Fix: Stub functions with empty stub body were missing in test report.

CR Number: 5092

Component: Report

Fix: Compiler options and include paths for source file(s) were missing in test report.

CR Number: 5090

Component: Microchip XC16 Compiler

Fix: TEE attribute "Compiler Call" updated.

CR Number: 4941

Component: IDA

Fix: Added 'Expand all' context menu for trees in IDA perspective.

Addressed In: 3.0.27 (16 item(s))**CR Number: 4832**

Component: TESSY

Fix: "Paste" command wasn't disabled when selecting a different test object after copying test items.

Addressed In: 3.0.26 (28 item(s))**CR Number: 5089**

Component: ASAP Parser

Fix: Parse error in axis description if FORMAT follows AXIS_PTS_REF. Unknown section token VARIANT_CODING. Unknown token FORMULA_INV.

CR Number: 5088

Component: Parser / Greenhills ARM

Fix: Added missing keywords.

CR Number: 5086

Component: Driver / Renesas NC30

Fix: Generate code for const pointers as if far pointers for Renesas NC30. Const variables are far variables by default for this compiler.

CR Number: 5085

Component: Import / Component Test

Fix: Error importing component test tmb file when the 'hide functions' option is set for the first source file.

CR Number: 5084

Component: Component Test

Fix: New feature: Allow linking of scenario test cases with requirements.

CR Number: 5083

Component: IDA / Component Test

Fix: Testdata of advanced stub variables was lost during reuse in Component Test

CR Number: 5082

Component: Wind River WindISS

Fix: New compiler/target integration Wind River DIAB compiler and Wind River WindISS simulator.

CR Number: 5080

Component: CV

Fix: Conditional statements containing sub flows were highlighted as failed in spite of being 100% covered.

CR Number: 5079

Component: TDB

Fix: In all views and reports parameters appear in the order as declared, not sorted alphabetically.

Addressed In: 3.0.26 (28 item(s))**CR Number: 5078**

Component: TESSY

Fix: Don't allow the same project to be more than once in the project list under different names.

CR Number: 5076

Component: Analog Devices CCES

Fix: New compiler/target integration Analog Devices CrossCore Embedded Studio compiler and debugger for SHARC processors.

CR Number: 5075

Component: IDA

Fix: Enhanced assignment of struct/union components by position/name when assigning struct/union variables. Propagation of globally defined struct/union component assignments when assigning variables.

CR Number: 5073

Component: CTE

Fix: Setting a pointer to *ignore* for a CTE tree element wasn't saved.

CR Number: 5072

Component: TDB

Fix: Pointer variables pointing to an array element could be reset to point to the first array element when saving the test data in TDE if the array itself wasn't completely filled with test data.

CR Number: 5070

Component: Import

Fix: Error importing array parameter with pass direction OUT.

CR Number: 5069

Component: Report

Fix: Possible error in report XML file when known functions were moved from unused to used.

CR Number: 5068

Component: Float Evaluation

Fix: New attribute "Float Eval Epsilon" added for comparison of float/double values. The default epsilon value is "0.000001".

CR Number: 5067

Component: CTE

Fix: Check if CTE is still running before saving test data to avoid loss of data if CTE has crashed.

CR Number: 5066

Component: IDA

Fix: Unassigned struct/union members got the passing direction of the struct/union itself assigned even though they were IRRELEVANT by default. This could result in struct/union members appearing as new input/output values within TDE.

Addressed In: 3.0.26 (28 item(s))**CR Number: 5065**

Component: CTE

Fix: Fixed issues with selection in TDE when in CTE perspective.

CR Number: 5063

Component: CTE

Fix: Possibly missing pointer values in array elements when synchronizing the CTE document.

CR Number: 5061

Component: Import

Fix: Problem fixed when importing pre 3.0 module archives with CTE files.

CR Number: 5060

Component: TIE

Fix: Error deleting synthetic variable from interface.

CR Number: 5058

Component: TESSY

Fix: Problem with corrupted preferences file on startup (TESSY failed to start) fixed.

CR Number: 5055

Component: TDE

Fix: "Convert Data Format" command did not work for interface objects that were nested within other interface objects.

CR Number: 5054

Component: TESSY / C++

Fix: Missing test case/step specific stub code within generated test driver.

CR Number: 5053

Component: TIE

Fix: Merge problem of old/new interface database (IDB) fixed: Three test objects A, B and C, B has been moved to "Called Functions" section within TIE for test object A. If later A was moved to "Called Functions" section within TIE of test object C, the indirectly referenced B needs also being moved to "Called Functions" of C. These missing indirect references caused a problem while merging IDBs.

CR Number: 5052

Component: Parser/Tasking Tricore VX

Fix: Failed to analyze module if stdio.h is included. [problem with the `__format__(printf,2,3)` directive]**Addressed In: 3.0.25 (30 item(s))****CR Number: 5046**

Component: TIE

Fix: Don't allow advanced stubs for C++ called functions.

Addressed In: 3.0.25 (30 item(s))**CR Number: 5045**

Component: Instrumenter / C++

Fix: Failed to create test driver when called functions were stubbed.

CR Number: 5044

Component: IDB

Fix: Avoid recursion problem when comparing interface databases. The problem occurred in the following situation: Two test objects A and B, B has been moved to "Called Functions" section within TIE for test object A and A has been moved to "Called Functions" section within TIE for test object B. This caused a recursion when comparing IDBs.

CR Number: 5043

Component: Preprocessor Call

Fix: Include pathes within the "Preprocessor Call" attribute were incorrectly passed to the preprocessor and thus ignored.

CR Number: 5041

Component: TI TMS320C5400 / CCSv5.4

Fix: Adaption of Texas Instruments TMS320C5400 and CCSv5.4.

CR Number: 5040

Component: Microchip XC16 and dsPIC Compiler / MPLAB X IDE

Fix: Adaption of Microchip dsPIC and XC16 compiler and MPLAB X IDE.

CR Number: 5039

Component: Parser / IAR

Fix: Failed to parse 0.Nan, 0.Infinity, and __c99_generic keywords.

CR Number: 5037

Component: Parser

Fix: Failed to parse structure components consisting only of a type specifier.

CR Number: 5036

Component: UCE

Fix: Call trace view: Don't show actual call trace when setting *ignore call trace*.

CR Number: 5035

Component: License Manager

Fix: Failed to checkout a temporary key if the user name contained spaces.

CR Number: 5034

Component: Freescale MPC / PLS UDE

Fix: New compiler/target integration Freescale MPC compiler and PLS UDE debugger.

CR Number: 5033

Component: UCE

Fix: Discard changes in usercode views when user selects "No" in save dialog during perspective change.

Addressed In: 3.0.25 (30 item(s))**CR Number: 5032**

Component: Parser

Fix: Handling of duplicate identical typedef declarations added (such duplicates will be ignored).

CR Number: 5030

Component: LabWindows/CVI

Fix: New compiler/target integration National Instruments LabWindows/CVI compiler (clang) and debugger.

CR Number: 5029

Component: Usercode Outline

Fix: The usercode outline showed entries for module or test object specific declarations/definitions in some cases although the respective section was empty.

CR Number: 5028

Component: Import

Fix: Errors when exporting and re-importing XLS files containing synthetic variables caused by the special passing direction specification for such variables (e.g. "i(struct xyz)").

CR Number: 5027

Component: IDA / Component Test

Fix: Parameter values got lost when reusing called functions with more than one parameter.

CR Number: 5026

Component: Driver / Component Test

Fix: Driver not compilable when interface contains IN/OUT pointers but contains no test data.

CR Number: 5025

Component: Driver

Fix: Test run failed when an OUT only pointer uses a dynamic object in one test case and in the following test case the same pointer is set to *none*.

CR Number: 5024

Component: Instrumenter / C++

Fix: Failed to lookup test object if a namespace is used.

CR Number: 5023

Component: Report

Fix: Array names were displayed wrongly within the test report (e.g. "a[1].a" instead of "a[1]", problem occurred in version 3.0.24 only).

CR Number: 5022

Component: TDE

Fix: Copying actual to expected values failed for pointer values.

CR Number: 5021

Component: IDB

Fix: During automatic reuse a local function lost its stub setting if a type modifier of a return/parameter of an extern called function changes.

Addressed In: 3.0.25 (30 item(s))**CR Number: 5019**

Component: SCE

Fix: In some situations the SCE could fail to save the contents of the currently edited C code fragment.

CR Number: 5018

Component: SCE

Fix: Missing line breaks in C code fragment after import.

CR Number: 5016

Component: TESSY

Fix: Use module name for scenario reports instead of generic name "Scenarios" to avoid XML files for those reports to be overwritten.

CR Number: 5014

Component: IDB

Fix: Possible unassigned component function parameters after automatic reuse.

CR Number: 5013

Component: CV

Fix: Wrong source code highlighting (i.e. erroneous position offsets) when selecting flow chart elements when using the Freescale compiler.

CR Number: 5011

Component: TESSY

Fix: Execution coverage report file name was built with UTC time instead of local time.

CR Number: 4936

Component: TESSY

Fix: New feature: Array parameters of test objects may be used as if they were declared as pointers (i.e. NULL may be passed as value to such parameters).

Addressed In: 3.0.24 (47 item(s))**CR Number: 5009**

Component: Driver

Fix: When timing measurement is enable, the test driver failed to be build.

CR Number: 5008

Component: Driver / Renesas Compiler

Fix: const ** parameter must be casted when passed to test object.

CR Number: 5007

Component: Hightec/Tricore

Fix: Failed to analyze the module if volatile keyword is used.

Addressed In: 3.0.24 (47 item(s))**CR Number: 5006**

Component: Instrumenter

Fix: Possible crash when instrumenting switch statements with large number of cases.

CR Number: 5005

Component: CV

Fix: Possible flow chart rendering problem on some computers running Windows 7/8.

CR Number: 5004

Component: Renesas NC30 / HEW

Fix: Board files handling added within makefile template.

CR Number: 5003

Component: ARM v5 / IAR

Fix: Board files handling added within makefile template.

CR Number: 5002

Component: TI TMS320 / TRACE32

Fix: New compiler/target integration TI TMS320 Compiler and TRACE32 debugger.

CR Number: 5001

Component: GreenHills MPC / winIDEA

Fix: New compiler/target integration GreenHills MPC Compiler and winIDEA debugger.

CR Number: 5000

Component: Driver / Keil Compiler

Fix: Different placement of memory modifiers in specific cases by Keil compiler compared to other compilers.

CR Number: 4998

Component: IDA

Fix: TIE setting 'Don't use as component function' was lost after reuse.

CR Number: 4997

Component: TESSY

Fix: Problem with include path containing only the disk drive (e.g. using "z:\\" as include path).

CR Number: 4995

Component: CV

Fix: Exception when trying to create reports containing a large flow chart.

CR Number: 4994

Component: Driver

Fix: Always instrument all called functions when doing component testing with any coverage enabled. The CR #4905 fixed in V3.0.23 did remove all static functions from the list of component functions and this caused only the component functions to be instrumented and not all called functions.

Addressed In: 3.0.24 (47 item(s))**CR Number: 4993**

Component: TIE / Component Test

Fix: Enable show/hide variables used by static functions for component test.

CR Number: 4991

Component: Report

Fix: Test Details Report: No expected result value rows were listed when using the report option "Hide Results" if a test object has no input values but only output values.

CR Number: 4989

Component: TDE

Fix: Set pointer target did not work correctly for pointer in array (the suggestion for dynamic target name was "target_null").

CR Number: 4988

Component: TMS 570 / TEE

Fix: 'Compiler Call' attribute for TMS 570 updated.

CR Number: 4987

Component: TIE

Fix: Unsupported advanced stub variables (arrays, pointers in structs) could be set to a passing direction other than IRRELEVANT by using 'reset initial passing'

CR Number: 4985

Component: Testitemview

Fix: Scenario test cases were yellow despite input data was missing (i.e. test case was not executable).

CR Number: 4984

Component: IDA

Fix: An array can not be assigned to an array with a different number of dimensions.

CR Number: 4981

Component: TESSY

Fix: Added key bindings for the following commands: next perspective, previous perspective, IDA: commit changes.

CR Number: 4979

Component: TIE

Fix: Pointer parameter may never be OUT regardless of target passing.

CR Number: 4978

Component: TDE

Fix: Entering a pointer target to a two dimensional array with only one dimension results in loss of test data for that pointer.

CR Number: 4977

Component: TESSY

Fix: Test execution: Derive initial "Test Cases Separately" setting from corresponding attribute.

Addressed In: 3.0.24 (47 item(s))**CR Number: 4976**

Component: TIE

Fix: Advanced stub settings: Pointer components in parameters of type struct must be IRRELEVANT. All components of advanced stub return must be IN.

CR Number: 4975

Component: Restore

Fix: Dynamic arrays of different size with same name (which was possible for different test steps in V2.9) got lost during import of TMB files from V2.9 to V3.0

CR Number: 4974

Component: Restore

Fix: Calls of the test object itself in usercode got lost when importing TMB files from V2.9 to V3.0.

CR Number: 4972

Component: TESSY

Fix: Don't allow adding test steps to CTE test cases.

CR Number: 4971

Component: Restore / CTE

Fix: Test case / test step user code imported from pre 3.0 module archives (TMB files) with assigned CTE file got lost when saving changes in CTE. Such modules need to be imported again with this TESSY version to fix the problem.

CR Number: 4970

Component: Restore / CTE

Fix: Test data values assigned within CTE for the test object return value could not be restored when importing V2.9 TMB files.

CR Number: 4968

Component: CTE

Fix: Invisible value column in Test Data view if view area was too small.

CR Number: 4967

Component: TESSY

Fix: Wrong tooltip for environment tree element (within module properties) if the include path contained collapsed elements.

CR Number: 4966

Component: TIE

Fix: If all variables were set to EXTERN the test object would never become executable.

CR Number: 4965

Component: TIE

Fix: Passing direction EXTERN is not allowed for return value.

Addressed In: 3.0.24 (47 item(s))**CR Number: 4964**

Component: IDB

Fix: Error comparing functions when analyzing modules if an unused function was moved to used function that calls another unused function.

CR Number: 4963

Component: tessycmd

Fix: Missing refresh within the GUI when setting attribute values via tessycmd.

CR Number: 4962

Component: SCE

Fix: Error when saving test data containing advanced stub vector values for time steps.

CR Number: 4961

Component: Driver

Fix: Inappropriate warnings were shown in the console view when using vector values for advanced stub variables and executing on debugger targets with file based communication mode (e.g. IAR C-SPY).

CR Number: 4958

Component: tessycmd

Fix: Problems with paths containing \$(PROJECTROOT) fixed for the following commands: select-source-file, remove-source-file, remove-include-path.

CR Number: 4956

Component: tessycmd

Fix: The set-attribute/add-attribute commands failed to set the given "value".

CR Number: 4955

Component: Driver

Fix: Possible memory leak in master when using vector values for advanced stub variables.

CR Number: 4954

Component: Driver / Component Test

Fix: Reset current time in internal state machine on test case change.

CR Number: 4953

Component: TIE

Fix: Allow pass direction OUT/INOUT for array parameter.

CR Number: 4949

Component: tessycmd

Fix: The -test-collection option was ignored when restoring a module backup.

CR Number: 4947

Component: TIE

Fix: Passing direction of static local bit may only be IN.

Addressed In: 3.0.24 (47 item(s))**CR Number: 4942**

Component: TESSY

Fix: Test execution preference option "Show Console on Error" now also applies to "Analyze Module" operation.

Addressed In: 3.0.23 (37 item(s))**CR Number: 4945**

Component: tessycmd

Fix: The restore-db command restored all modules erroneously into the first restored test collection.

CR Number: 4944

Component: Instrumenter

Fix: Added option to skip asm functions from instrumentation to avoid compilation errors.

CR Number: 4943

Component: Database

Fix: Added option to specify a port number to use for the Derby daemon if the official port (1527) is used by another application.

CR Number: 4940

Component: SCE

Fix: Allow entering struct/union names as parameter values for component function calls.

CR Number: 4939

Component: TESSY

Fix: Possible wrong result when collapsing a path: If a variable (e.g. TESSY_TESTAREA="C:\tessy") was available when collapsing a path "C:\tessy_projects\xyz", the resulting collapsed path was erroneously calculated as "\${TESSY_TESTAREA}\xyz".

CR Number: 4938

Component: tessycmd

Fix: Duplicate test collections with the same name were created when creating new test collections with an already existing name.

CR Number: 4935

Component: Driver

Fix: Declaration of helper variable for const array parameter was erroneously declared as const resulting in compiler error.

CR Number: 4932

Component: Defines

Fix: Float defines with postfix f were not evaluated correctly (e.g. "#define MY_FLOAT 47.11f").

CR Number: 4931

Component: Driver

Fix: Error generating dynamic object for INOUT->OUT pointer targeting the same dynamic object.

Addressed In: 3.0.23 (37 item(s))**CR Number: 4930**

Component: Import

Fix: Possible missing user code when pre 3.0 module archives were imported.

CR Number: 4929

Component: tessycmd

Fix: Do not abort command line execution on analyze module failure.

CR Number: 4912

Component: IDA

Fix: New feature: assign parameter and struct/union/enum members by position.

CR Number: 4911

Component: SCE

Fix: Fixed time unit presentation ("µs") caused by a wrong string encoding in previous TESSY versions.

CR Number: 4910

Component: IDBMake

Fix: Using the "Workspace File" attribute as module dependency caused the module being re-analyzed after every test execution on certain targets (e.g. UDE) which change the workspace file during test execution.

CR Number: 4909

Component: Import

Fix: Importing test cases without any input or output variable failed (i.e. import file containing only usercode).

CR Number: 4906

Component: Driver

Fix: Arrays holding values for advanced stub vectors were erroneously declared const when the parameter/return was const.

CR Number: 4905

Component: TIE / Component Test

Fix: Static functions could be set as component functions, but they are not allowed as component functions.

CR Number: 4904

Component: Driver

Fix: The attribute "Batchtest Wait Time" was not evaluated during execution resulting in missing delays between subsequent test executions.

CR Number: 4903

Component: IDA

Fix: Possible erroneous automatic reuse of a test object that is called by other functions, that could not be reused automatically.

Addressed In: 3.0.23 (37 item(s))**CR Number: 4902**

Component: IDA

Fix: After moving a static variable to used variables a test object state always was 'changed interface' (only in 3.0.22).

CR Number: 4901

Component: Driver

Fix: Driver generator crashes when size of a struct declaration exceeds 2kB.

CR Number: 4899

Component: IDA

Fix: Test cases/steps containing only usercode and no test data could be corrupted on reuse.

CR Number: 4898

Component: IDA

Fix: Imported usercode was not updated (i.e. variables renamed) when doing a reuse operation after interface changes.

CR Number: 4897

Component: IDA

Fix: Advanced stub parameters were not removed when an advanced stub function is de-assigned. Members of advanced stub parameter structs were not assigned automatically.

CR Number: 4896

Component: IDA

Fix: Possibled error during automatic assignment when in a previous manual reuse a called function was assigned to a different called function that is an advanced stub.

CR Number: 4895

Component: Analog Devices Blackfin / CCES

Fix: New compiler/target integration Analog Devices Blackfin / Cross Core Embedded Studio (CCES) added.

CR Number: 4894

Component: IDA

Fix: Enum constants used in usercode (prolog, epilog, stub functions) could be changed erroneously to other enum constants during reuse operation.

CR Number: 4893

Component: Import

Fix: Import aborted when trying to import dynamic objects of type struct/union with import values for struct/union components that doesn't exist.

CR Number: 4892

Component: Import

Fix: Error with enum constants when converting from old to new IDB version during import of 2.9 tmp files.

Addressed In: 3.0.23 (37 item(s))**CR Number: 4891**

Component: TDE

Fix: Test data initialization failed for some data types if a pattern is used.

CR Number: 4889

Component: IDB

Fix: Error when switching from advanced to normal stub (only in 3.0.22).

CR Number: 4887

Component: IDB

Fix: Allow only irrelevant as passing directions for fill bits in bit fields.

CR Number: 4886

Component: IDB

Fix: Repair inconsistent unknown passing directions of struct members imported from Tessy 2.9.

CR Number: 4885

Component: IDB

Fix: Error reading IDB with local static function pointer.

CR Number: 4884

Component: TESSY

Fix: 'Aborted' icon was missing at test object if a test was not executed correctly.

CR Number: 4882

Component: Driver

Fix: More meaningful error message when the test object crashes.

CR Number: 4880

Component: HiTOP5

Fix: Loading application problem for test object names containing "ERROR" fixed.

Addressed In: 3.0.22 (5 item(s))**CR Number: 4881**

Component: SCE

Fix: Calltrace evaluation failed when using a mode variable in component test.

CR Number: 4878

Component: Report

Fix: Problems with test case exclude/include lists of plots fixed.

CR Number: 4877

Component: Plot View

Fix: Internal problem when loading the plot view.

Addressed In: 3.0.22 (5 item(s))**CR Number: 4876**

Component: SCE/Driver

Fix: Mode variable was not correctly declared in driver.

CR Number: 4875

Component: SCE

Fix: Test execution failed if only the "INIT" but no other time steps of a scenario had test data.

Addressed In: 3.0.21 (16 item(s))**CR Number: 4869**

Component: Import

Fix: Enhanced error handling for erroneous data rows: Empty test steps will be created in case of such import data errors.

CR Number: 4868

Component: TDE

Fix: Don't show an empty column if no test cases are available.

CR Number: 4867

Component: SCE

Fix: Improved mode variable handling in work task view.

CR Number: 4866

Component: IDB

Fix: Problems fixed when three or more structs were circularly referencing each other.

CR Number: 4863

Component: ARM / CodeWarrior 10

Fix: Missing TESSY defines added to the makefile template.

CR Number: 4862

Component: TDE

Fix: Enhancement of proposal box in edit fields

CR Number: 4859

Component: Report/Testruns

Fix: Displaying define values failed within TDE when displaying the contents of test runs.

CR Number: 4858

Component: Import

Fix: Problems with character encoding and multiple separators within .txt files fixed.

CR Number: 4856

Component: Import

Fix: Importing values failed for structs/unions containing both an array and a struct/union as components.

Addressed In: 3.0.21 (16 item(s))**CR Number: 4852**

Component: tessycmd

Fix: Restoring modules containing "." within the name of the test collection, folders or module caused an improperly restored parent path.

CR Number: 4851

Component: MPLAB X

Fix: Update to work with MPLAB X 1.85.

CR Number: 4849

Component: TDE

Fix: The "Assign Value to Test Steps" operation didn't copy define values or vector values of advanced stubs correctly.

CR Number: 4847

Component: tessycmd

Fix: Errors during long running command line operations were reported as error messages on the GUI only and not returned as errors to tessycmd.exe command line tool.

CR Number: 4846

Component: CV

Fix: Coverage results will not be displayed any more when the execution state of a test object was reset e.g. after saving test data.

CR Number: 4845

Component: SCE

Fix: After saving, the displayed actual call trace within SCE contained only those time steps with test data assigned.

CR Number: 4844

Component: TESSY

Fix: Wrong error indicator for include path on environment level within "Sources" tab of module properties.

Addressed In: 3.0.20 (38 item(s))**CR Number: 4842**

Component: SCE

Fix: Using special characters in scenario (e.g. μ s for time unit) resulted in corrupted module backup file.**CR Number: 4841**

Component: TDE

Fix: It was possible to enter strings as values for scalar data types (e.g. "a") which caused invalid test data entries. Now characters can be entered as 'a'.

Addressed In: 3.0.20 (38 item(s))**CR Number: 4840**

Component: TESSY

Fix: Using "/" or "\" in project name caused an error when attempting to create a new project.

CR Number: 4838

Component: TDE

Fix: New feature: "Convert to Data Format" command available within TDE.

CR Number: 4836

Component: XLS Export

Fix: Inputs and outputs were not sorted alphabetically.

CR Number: 4835

Component: TESSY

Fix: Opening projects via double-click on a .pdbx file could fail to detect the correct PROJECTROOT location due to case-sensitive path handling.

CR Number: 4833

Component: TESSY

Fix: Test data states of test items will be reset when test execution is canceled for a test object.

CR Number: 4830

Component: Report

Fix: New feature: Optionally hide *none* values in test report. Test case names added to the PDF outline.

CR Number: 4829

Component: XLS Import

Fix: Importing unions from Tessy V2.9 generated XLS files could cause union component values not being imported properly.

CR Number: 4828

Component: IAR 8051

Fix: Wrong compiler id in configuration file for IAR 8051.

CR Number: 4826

Component: Driver

Fix: Added checking of target ID within target communication to avoid usage of improper makefile templates (for the wrong debugger target).

CR Number: 4825

Component: IDA

Fix: Test data got lost when an array of unknown size was assigned.

CR Number: 4821

Component: ASAP Conversion

Fix: ASAP infos were not shown for elements of structs or unions.

Addressed In: 3.0.20 (38 item(s))**CR Number: 4820**

Component: Driver

Fix: Fixed problems with advanced stub variables when using vector values for stubbed functions with multiple parameters and/or return value.

CR Number: 4819

Component: ASAP

Fix: Added ASAP units added to the variable names within the test report.

CR Number: 4817

Component: CCSv53 / MSP430

Fix: Makefile template changed because the compiler needs TI's cygwin environment to link target binary.

CR Number: 4815

Component: ASAP Conversion

Fix: Changed ASAP information was not updated when re-opening a module.

CR Number: 4814

Component: TDE

Fix: New feature: Allow $*min*/max*/min+1*/max-1*$ as input or expected value for all types of variables.**CR Number: 4813**

Component: ASAP Conversion

Fix: ASAP $*min*$ and $*max*$ values were not transferred to the test object.**CR Number: 4812**

Component: IDB

Fix: Problems handling static variables with the same name in different source files.

CR Number: 4811

Component: UCE

Fix: The list of stub functions within UCE is now sorted alphabetically.

CR Number: 4810

Component: TESSY

Fix: The database restore dialog now opens automatically after startup of TESSY if there are no test collections available (i.e. for an empty project).

CR Number: 4809

Component: TDE

Fix: Wrong snap-in conversion when entering ASAP values as float numbers: The integer value was used instead of the physical value.

CR Number: 4808

Component: IDB

Fix: Avoid duplicate global variables added to the interface.

Addressed In: 3.0.20 (38 item(s))**CR Number: 4807**

Component: Driver

Fix: Missing const in declaration of const array parameter of stub functions if typedef is used.

CR Number: 4805

Component: Driver

Fix: Boolean attributes were always interpreted as "false" by the test driver master communication modules which cause e.g. flashing for Keil/μVision to fail.

CR Number: 4804

Component: Keil C51

Fix: Parsing of modules failed for Keil/C51 if defines were used within the module attributes.

CR Number: 4802

Component: Import

Fix: Failed to import from call trace if *none* (pre 3.0) or *** No Call Expected *** is set.

CR Number: 4801

Component: Import

Fix: Failed to import very large integer values from XLS files.

CR Number: 4800

Component: IDB

Fix: Test objects could get the "Interface available" state even if there were unknown interface objects.

CR Number: 4799

Component: TIE

Fix: Failed to expand the interface tree when searching the next undefined object in some special cases.

CR Number: 4796

Component: Driver

Fix: PROJECTROOT variable in generated makefile was empty.

CR Number: 4795

Component: TESSY

Fix: Missing test data after copy / paste operation on module.

CR Number: 4793

Component: Driver

Fix: Failed to build driver if the user code declares own data types in conjunction with stub functions.

CR Number: 4792

Component: TDE

Fix: Failed to save pointer to array elements if the target element is a struct or union.

Addressed In: 3.0.20 (38 item(s))**CR Number: 4790**

Component: ARM RVDS/Keil uVision

Fix: Alignment of communication buffers added which caused problems on some targets.

CR Number: 4788

Component: Parser

Fix: Allow type bool in bitfields.

CR Number: 4748

Component: TDE

Fix: New feature: It is now possible to use enums within advanced stub vectors (e.g. "{ENUM_A, ENUM_B}")

Addressed In: 3.0.19 (58 item(s))**CR Number: 4786**

Component: CTE/Standalone

Fix: Failed to open a document with doubleclick if the CTE is already running.

CR Number: 4785

Component: CTE/Standalone

Fix: Failed to export CTE documents from commandline.

CR Number: 4784

Component: Keil uVision

Fix: Missing Keil uVision communication library.

CR Number: 4783

Component: ARM RVDS

Fix: Missing output file specification in Compiler Call attribute.

CR Number: 4782

Component: TIE / Component Test

Fix: Error setting Component Function to 'Unused' if this function is called by another function.

CR Number: 4776

Component: TESSY

Fix: Performance issue when trying to collapse a path on network drives.

CR Number: 4768

Component: TASKING / Tricore VX / UDE

Fix: Missing define in makefile template fixed.

CR Number: 4767

Component: FLSD

Fix: Failed to check out a temporary license.

Addressed In: 3.0.19 (58 item(s))**CR Number: 4765**

Component: Import

Fix: Possible wrong icons for scenarios imported from pre 3.0 module backups.

CR Number: 4764

Component: IAR 8051 / CSPY

Fix: New compiler adaption for IAR 8051 / CSPY.

CR Number: 4763

Component: TDB

Fix: Possible wrong values for large integers (e.g. 1234567890) imported from Excel.

CR Number: 4762

Component: GCC / GDB / CDT

Fix: gcc master/slave doesn't use a predefined port by default any more.

CR Number: 4761

Component: Report

Fix: CVS information parsed from source files: Colons missing in date/time (12:13:14->121314)

CR Number: 4758

Component: TESSY

Fix: Timing problems when entering or updating the CTE perspective.

CR Number: 4757

Component: Driver

Fix: Defines and includes were missing when compiling the wrapper for C++ test objects.

CR Number: 4756

Component: Driver

Fix: Attribute values on test object level where not used for test execution.

CR Number: 4753

Component: Blackfin C++ / VisualDSP++

Fix: Adaption for Blackfin C++ compiler and VisualDSP++.

CR Number: 4752

Component: TESSY

Fix: Failed to remove a source file from module created with TESSY prior 3.0.18 and having a relative path.

CR Number: 4751

Component: Freescale ARM (Kinetis) / Codewarrior 10

Fix: Adaption for Freescale ARM compiler and Codewarrior 10.

CR Number: 4750

Component: Parser/C++

Fix: Don't add test objects for methods if 'Hide Functions' is set for source file.

Addressed In: 3.0.19 (58 item(s))**CR Number: 4749**

Component: Parser/C++

Fix: After new analysisation of C++ modules all test objects are interfaces were marked unknown.

CR Number: 4746

Component: TDE

Fix: Name proposal for dynamic object for local static pointer contained invalid :: and # from tessy variable name

CR Number: 4745

Component: TDE

Fix: It was possible to enter names with brackets in fields for scalar values.

CR Number: 4744

Component: Import

Fix: Failed to import pre 3.0 component test module archives.

CR Number: 4743

Component: CV

Fix: Avoid exception in source code display in case of erroneous coverage file path.

CR Number: 4742

Component: CV

Fix: Coverage viewer failed to display the source file if they are provided as relative paths like \$(PROJECTROOT)\.\source.c

CR Number: 4741

Component: Driver

Fix: Show absolute pointer value instead of *unknown* if a pointer target can not be evaluted.

CR Number: 4740

Component: Cosmic STM8

Fix: Cosmic STM8 makefile and configuration updated.

CR Number: 4739

Component: TDB

Fix: Possible test item id collision when importing a 3.0 module archive raises an SQL exception.

CR Number: 4738

Component: TDE

Fix: Forbid arrays as dynamic targets for advanced stub parameter/return.

CR Number: 4736

Component: TDB

Fix: Significant performance improvement when saving test steps which huge amount of test data.

Addressed In: 3.0.19 (58 item(s))**CR Number: 4735**

Component: Driver

Fix: Error generating driver when using static local variables as pointer target.

CR Number: 4734

Component: SCE

Fix: Runtime exception when deleting test data assigned to time steps without deleting the time step itself.

CR Number: 4732

Component: TDE

Fix: Input of description/specification/comment slowed down when switching multiple times between test items.

CR Number: 4731

Component: IAR ARM v5

Fix: Missing define TS_HAVE_INT64 in makefile templates for IAR ARM v5 for 64bit integer support.

CR Number: 4730

Component: Driver

Fix: Generate wrapper for inline function as test object.

CR Number: 4729

Component: ARM RVDS (C++)

Fix: Wrong source file extension in makefile templates.

CR Number: 4728

Component: Parser/ISO C99

Fix: The parser fails if variables, declared inside the initialization part of a for statement, are used in an initialization. [e.g. for (int i = 0; i < 5; i++) {int j = foo(i); ...}]

CR Number: 4727

Component: Instrumenter

Fix: Misplaced declaration of synthetic variables when local functions are stubbed.

CR Number: 4726

Component: Microchip MPLAB X / XC8

Fix: New adaption for Microchip MPLAB X debugger and Microchip XC8 compiler.

CR Number: 4725

Component: Parser/Code Sourcery ARM

Fix: Type `_Bool` missing in `typetable` for Code Sourcery ARM.**CR Number: 4724**

Component: TIE

Fix: For advanced stubs allow only OUT->IRRELEVANT as passing direction for void* parameter and IN->IRRELEVANT for void* return.

Addressed In: 3.0.19 (58 item(s))**CR Number: 4722**

Component: Driver/Component Test

Fix: Error in generated scenario test driver when INIT time step has test data assigned and time step 0 doesn't has test data assigned.

CR Number: 4720

Component: TDB

Fix: Failed to load/verify a test object having dynamic objects for no longer existing interface objects.

CR Number: 4719

Component: TESSY

Fix: Add preference pages for report options.

CR Number: 4717

Component: UCE

Fix: Don't set focus to associated usercode view when selecting an item in Usercode Outline view.

CR Number: 4716

Component: TDE

Fix: Highlight rows with failed evaluation macros in red in Evaluation Macro view.

CR Number: 4715

Component: TESSY

Fix: Add preference entry for bringing associated view to front upon selecting an item in Test Project view.

CR Number: 4714

Component: TESSY

Fix: Add preference entry for auto resize of columns in Test Project view.

CR Number: 4713

Component: TESSY

Fix: Display include path errors more clearly in properties view.

CR Number: 4711

Component: TESSY

Fix: Add "Copy Name" command to Test Project view.

CR Number: 4700

Component: TESSY

Fix: Performance improvements for TMB import.

CR Number: 4697

Component: CCS 5.3 TMS470/TMS570

Fix: Change of the compiler and assembler name.

Addressed In: 3.0.19 (58 item(s))**CR Number: 4685**

Component: TDE

Fix: Call trace view: Input possibility for the number of expected calls of a function added.

CR Number: 4672

Component: tessycmd

Fix: Commands for setting attributes added.

CR Number: 4595

Component: Instrumenter

Fix: Instrumenter fails when return follows declaration of local static variable.

CR Number: 4588

Component: Properties View

Fix: New filter button in attributes (module properties) for show/hide all attributes (Shift-Ctrl-Alt-A).

CR Number: 2887

Component: Tessy

Fix: Allow exporting/importing of test data in XLS format for test objects without IN/OUT variables

Addressed In: 3.0.18 (54 item(s))**CR Number: 4709**

Component: Instrumenter / MCC Coverage

Fix: Added threshold to avoid long calculation time for MCC coverage in case of high number of atoms (default threshold is 16 atoms).

CR Number: 4708

Component: Test Execution / McAfee Firewall

Fix: Test execution was blocked when using McAfee firewall.

CR Number: 4704

Component: Defines Parser

Fix: Failed to evaluate hexadecimal define values having a capital 'X' prefix. [e.g. #define NAME 0XAFFE]

CR Number: 4702

Component: Instrumenter

Fix: Failed to instrument cast expressions starting with a memory modifier. [e.g. if (a_pointer == (@far int *) 0xAFFE)]

CR Number: 4701

Component: IDA

Fix: Unassigned defines on new side were not marked as unassigned.

Addressed In: 3.0.18 (54 item(s))**CR Number: 4699**

Component: Defines Parser

Fix: Wrong values for defines that using an explicit cast into signed long long data type having a negative value. [e.g. #define SLL_MIN ((signed long long 0x8000000000000000))]

CR Number: 4698

Component: TESSY

Fix: Error dialog when displaying a description or specification in Test Items view that consists of linebreak(s) only.

CR Number: 4693

Component: Instrumenter

Fix: If a test object is inline and no instrumentation is enabled, building the test driver failed.

CR Number: 4692

Component: Driver

Fix: Possible error when evaluating OUT pointer to dynamic targets that have the same name but different layout in multiple testcases.

CR Number: 4691

Component: TDE/Report

Fix: If the expected value for a pointer is empty the actual value is not displayed in TDE tooltip and missing in report.

CR Number: 4690

Component: TESSY

Fix: Problem handling string attribute values with a path specification containing '\r' and/or '\n' [e. g. C:\foo\bar\ncc.exe]

CR Number: 4689

Component: Renesas HEW

Fix: Failed to build test driver for modules with more than one source file.

CR Number: 4688

Component: IDB

Fix: Error loading interface database containing multiple structs nested in each other.

CR Number: 4684

Component: Import

Fix: Fix CTE File attribute when restoring or importing a module backup file.

CR Number: 4683

Component: Report

Fix: Sorting stub code within XML result files by function name.

CR Number: 4681

Component: SCE

Fix: Processing of evaluation macros in Scenario init time step.

Addressed In: 3.0.18 (54 item(s))**CR Number: 4680**

Component: CV

Fix: Fixed missing MCC / MCDC coverage presentation for conditional statement chart objects.

CR Number: 4676

Component: Parser/ IAR MSP430

Fix: Support #pragma inline for IAR MSP430.

CR Number: 4675

Component: Instrumenter

Fix: Instrumenter crashes if a single statement/expression is larger than 102400 bytes.

CR Number: 4674

Component: Report

Fix: Show test case names within requirement coverage reports.

CR Number: 4673

Component: Report

Fix: Skip obsolete test objects during execution.

CR Number: 4671

Component: Driver

Fix: Generate return statement for unused/empty external stub functions.

CR Number: 4670

Component: Driver

Fix: Redundant declaration of TS_CURRENT_TESTCASE when Enable User Includes is active.

CR Number: 4669

Component: Driver

Fix: Redundant declarations in librazorcat.h

CR Number: 4668

Component: TESSY

Fix: Changed attribute flags are not saved into the persistence database.

CR Number: 4666

Component: TESSY

Fix: Failed to restore the PROJECTROOT attribute when importing an existing project whose root folder has been renamed in the file system.

CR Number: 4665

Component: CDT/Editor

Fix: Missing include path entries and defines in C code editor within the CDT perspective.

CR Number: 4663

Component: Report

Fix: Test case prolog/epilog was missing in report.

Addressed In: 3.0.18 (54 item(s))**CR Number: 4662**

Component: Import

Fix: User defined attributes having the 'Visible' flag are invisible after a module restore operation.

CR Number: 4661

Component: Batch

Fix: The batch output directory was used for planning/execution coverage reports instead of the specific output directories for each report variant.

CR Number: 4660

Component: tessycmd

Fix: Generating reports without executing any test was not possible when running batch operations from the command line.

CR Number: 4658

Component: IDB

Fix: Handling of test objects with unknown interface elements.

CR Number: 4656

Component: Parser

Fix: Generated file with header dependencies was always growing when analyzing a module.

CR Number: 4655

Component: IDA

Fix: Possible error when opening multiple tabs in IDA.

CR Number: 4652

Component: CTE

Fix: Consider the CTE File attribute when opening the CTE Perspective.

CR Number: 4651

Component: TESSY

Fix: Prevent a module from opening/analyzing while a restore/import operation is active.

CR Number: 4650

Component: Restore Database

Fix: Possible TESSY crash when restoring TMB-Files containing string formatting characters in its name.

CR Number: 4649

Component: TEE

Fix: Consider environment editor attribute values on "File" level also for usage with "Add to PATH Variable" and "Environment Variable" flags.

CR Number: 4647

Component: SCE

Fix: Fixed wrong evaluation macro representation in time steps.

Addressed In: 3.0.18 (54 item(s))**CR Number: 4646**

Component: Hitex / HiTOP

Fix: Consider Reset Target attribute to decide if the target needs a reset before test execution.

CR Number: 4645

Component: HighTec PPC / TRACE32

Fix: New compiler/target integration: HighTec PPC / TRACE32

CR Number: 4644

Component: IDB

Fix: Error in compare/merge for functions changing scope from global to static or vice versa.

CR Number: 4643

Component: SCE

Fix: Possible wrong or missing result states for scenarios.

CR Number: 4623

Component: Parser/Microchip dsPIC

Fix: Fixed handling of __asm in keyword scanner for Microchip dsPIC.

CR Number: 4622

Component: Parser/TI TMX xxx

Fix: Fixed handling of __asm in keyword scanner for TI TMX xxx.

CR Number: 4621

Component: SCE

Fix: Missing eval macros in reports for component test.

CR Number: 4620

Component: Tessy

Fix: Automatically collapse file names and directories to relative path names using the PROJECTROOT and a csv list of variables specified with the attribute 'Relative Path Variables' as anchor.

CR Number: 4619

Component: TDE

Fix: Added true/false combo box to enter boolean values.

CR Number: 4618

Component: TDE

Fix: Fixed handling of entering target pointer values as text via inline editor.

CR Number: 4617

Component: TIE

Fix: Unused static variables could not be moved from unused to used variables.

Addressed In: 3.0.18 (54 item(s))**CR Number: 4615**

Component: Melexis / Melexis Mlx16

Fix: New compiler/target integration: Melexis / Melexis Mlx16.

CR Number: 4613

Component: Parser / IAR R32C

Fix: Support pragma directives for IAR R32C.

CR Number: 4612

Component: TESSY

Fix: Disallow any operations on test objects with unknown interface elements (except editing interface).

CR Number: 4563

Component: TESSY

Fix: Allow selection of an existing folder as `Database Root`.

Addressed In: 3.0.17 (9 item(s))**CR Number: 4609**

Component: TDE

Fix: Enum values are always set to the first enum constant during test data initialization.

CR Number: 4608

Component: CTE

Fix: Save exception when saving a classificatin tree for test objects with an empty interface.

CR Number: 4607

Component: CTE

Fix: Possible missing array element values in test data after save.

CR Number: 4602

Component: Report

Fix: Report file size (i.e. the size of the PDF document) could be very huge when using a customized logo image.

CR Number: 4596

Component: Parser/IAR MSP430

Fix: Added support for `_Pragma()` keyword for IAR MSP430.**CR Number: 4594**

Component: Driver

Fix: When attribute "Enable User Includes" is set, `MODULE_INCLUDES` were generated to makefile without enclosing "" (leading to problems with pathes containing spaces)

Addressed In: 3.0.17 (9 item(s))**CR Number: 4592**

Component: Makefiles

Fix: \$(TESSY_SYS)\include\tessy\comm include path was missing in master makefiles.

CR Number: 4591

Component: CTE

Fix: Operation not supported exception when editing test data inside the CTE perspective.

CR Number: 4425

Component: CTE

Fix: CTE properties shown within the TESSY properties view are now read-only.

Addressed In: 3.0.16 (37 item(s))**CR Number: 4581**

Component: Parser

Fix: Emit more specific messages on parse errors.

CR Number: 4580

Component: TDE

Fix: Error evaluating NAN and INF as actual values for floating point types. The result could be passed in some cases because the actual value was taken as being "1.0".

CR Number: 4579

Component: TESSY

Fix: Added C++ support for IAR ARM V5.

CR Number: 4578

Component: IDB

Fix: Unused variables that were moved to used variables (using TIE) for a test object were not correctly removed after they have disappeared within the source file.

CR Number: 4577

Component: IDB

Fix: When a function was moved from unused to used called functions the interface was different after analyze if global stub setting was "advanced stub" and local setting "normal stub".

CR Number: 4576

Component: TDE

Fix: Expected values with deviation values like 0.001e-10 or 0.001e+10 could not be entered (e.g. 0.1234e-10 +/- 0.001e-10).

CR Number: 4575

Component: TSCI

Fix: Timing problem with MC/DC coverage with more than 12 atoms.

Addressed In: 3.0.16 (37 item(s))**CR Number: 4574**

Component: IDB32

Fix: Added namespace support for C++.

CR Number: 4573

Component: TESSY

Fix: Skip special environment variables that are created by Windows when starting TESSY from a .bat file. (e.g. when starting TESSY within directory "C:\Projects\3.0", the following variable will be created for the process executing the .bat file: !C:='C:\Projects\3.0')

CR Number: 4572

Component: IDB

Fix: Possible failure to analyze a module if the project resides on a network drive.

CR Number: 4571

Component: Report

Fix: Name of generated PDF report files contained UTC time instead of local time.

CR Number: 4570

Component: TI CCS5 / TEE

Fix: Attributes for CCSv5 and ccs4d have been changed. Older versions (before CCSv5.3) require manual adjustment.

CR Number: 4569

Component: Parser/ARM RVDS

Fix: Parse error with some __asm constructs.

CR Number: 4568

Component: TESSY

Fix: Test objects with empty interface could not be executed.

CR Number: 4567

Component: Backup/Restore

Fix: Store full path names for source files in TMB files to avoid problems with 8.3 names when restoring on a different computer.

CR Number: 4566

Component: Database

Fix: Enforce using the TESSY installation Java VM to avoid problems to start database processes.

CR Number: 4565

Component: TDB

Fix: Possible restore problem of TMB files containing test objects with an outstanding reuse operation.

CR Number: 4564

Component: IDB

Fix: Missing -undef in target options for none gcc compilers (Caused gcc default defines being active when preprocessing source files for non-gcc compilers).

Addressed In: 3.0.16 (37 item(s))**CR Number: 4562**

Component: CodeSourcery ARM/TRACE32

Fix: New support for CodeSourcery's ARM compiler in combination with TRACE32 added.

CR Number: 4561

Component: TESSY

Fix: Entering/editing defines: Allow expressions like "withParam(x)".

CR Number: 4559

Component: TESSY

Fix: Enhanced usability: Expand module and reselect test object when executing a single test object after changing the source file.

CR Number: 4557

Component: Restore Database

Fix: When importing TMB files, links to older requirement versions were not restored if the old version was not available.

CR Number: 4556

Component: TESSY

Fix: New attribute (file, folder): Collapsing of \$(PROJECTROOT) failed initially when creating new attributes.

CR Number: 4555

Component: Driver

Fix: Possible *unknown* actual values after reuse, on targets using file communication.

CR Number: 4553

Component: HiTOP

Fix: Missing libraries for target communication added.

CR Number: 4550

Component: Driver / Template Makefile / PROJECTROOT

Fix: PROJECTROOT variable within generated makefiles was empty.

CR Number: 4548

Component: IAR/RL78 (Renesas)

Fix: Support keywords for IAR RL78.

CR Number: 4547

Component: TESSY

Fix: Command line option "-p [<project_name>]" for tessy.exe allows to specify the name of a project to open after startup. If no name is given, TESSY will startup showing the project selection dialog.

CR Number: 4544

Component: TESSY

Fix: Probleme entering include paths with variables [e.g. \$(Compiler Install Path)]

Addressed In: 3.0.16 (37 item(s))**CR Number: 4543**

Component: TESSY

Fix: Create project dialog: Enhanced usability due to additional checks, allowing to choose non-empty directory as database location.

CR Number: 4520

Component: TESSY

Fix: The TEE failed to start if the project root is the disk root.

CR Number: 4515

Component: Driver/Keil C51

Fix: Objects in 'data' memory were accessed with 'pdata' modifier.

CR Number: 4501

Component: Driver

Fix: Declarations of synthetic variables are now generated to user source to be usable in stubbed local functions (can be disabled with attribute 'Synthetic Declarations In Source=false').

CR Number: 4485

Component: Parser/TI TMS 470

Fix: Support __attribute__ for TI TMS 470.

CR Number: 4460

Component: Parser

Fix: Recognize macro __FUNCTION__ predefined by some compilers.

CR Number: 4446

Component: Driver

Fix: Possible error when test data contained static and non-static pointer targets.

CR Number: 4383

Component: tessycmd

Fix: Batch test with Code Composer Studio was not possible using command line.

Addressed In: 3.0.15 (39 item(s))**CR Number: 4521**

Component: CV

Fix: New feature: The test object flow chart with coverage information can be printed as PDF document.

CR Number: 4514

Component: IDB

Fix: When a function was moved from unused known functions to used known functions interface may be different after analyze.

Addressed In: 3.0.15 (39 item(s))**CR Number: 4512**

Component: TESSY

Fix: Disable "Restore Database" command for modules, test objects, and test runs - only folders and test collections are applicable.

CR Number: 4500

Component: Import

Fix: Database restore operation fails if the containing module was not analyzed.

CR Number: 4499

Component: Import

Fix: When importing dynamic struct components, the assignment of passing directions went wrong: The whole struct was assigned the passing direction of the single component.

CR Number: 4495

Component: Export

Fix: Internal format of eval macros used within XLS export.

CR Number: 4491

Component: Report

Fix: Within the test report, the evaluation mode was missing for eval macros.

CR Number: 4490

Component: Analog Devices Blackfin / VisualDSP++

Fix: Script failed for interactive debugging. A backslash was missing in source file path.

CR Number: 4487

Component: TESSY

Fix: If 'Show Results' for test run was selected, test object's passed/failed decorator was missing.

CR Number: 4486

Component: Report

Fix: Generating CTE tree images for report failed if the PROJECTROOT contained spaces.

CR Number: 4483

Component: TIE

Fix: Corrected context menu entries for unused external functions.

CR Number: 4481

Component: CTE

Fix: TESSY could freeze if test cases were copied and pasted in CTE perspective.

CR Number: 4477

Component: TESSY

Fix: Added "Collapse All" command to Test Item view,

Addressed In: 3.0.15 (39 item(s))**CR Number: 4472**

Component: TESSY

Fix: Consider floating point precision when importing/editing floating point values.

CR Number: 4471

Component: Import

Fix: Possible invalid and/or duplicate include path entries when restoring a module from TMB file.

CR Number: 4469

Component: Import

Fix: Possible missing or invalid test items when importing pre 3.0 TMB files into a newly created project.

CR Number: 4468

Component: TDE / Plots

Fix: Graphical settings for variables will be stored now when saving a plot.

CR Number: 4462

Component: RVDS/ARM

Fix: Keyword `_Bool` was unknown for RVDS/ARM.**CR Number: 4458**

Component: TESSY

Fix: Enabled report generation for batch operations from command line.

CR Number: 4456

Component: CTE

Fix: Added missing "Go to parent frame" toolbar button.

CR Number: 4455

Component: Parser

Fix: Defines were missing when having multiple source files with different defines and includes.

CR Number: 4453

Component: TESSY

Fix: Avoid wrong test object states when executing a test without previous reuse operation.

CR Number: 4451

Component: TESSY

Fix: Batch test execution failed if a module analyze was done and test objects were removed due to that.

CR Number: 4450

Component: TESSY

Fix: Performance improvement when analyzing a module.

Addressed In: 3.0.15 (39 item(s))**CR Number: 4449**

Component: SCE

Fix: Allow arbitrary inputs for pointer parameters (e.g. "&target").

CR Number: 4448

Component: TESSY

Fix: Display tabs for operation settings within batch operation dialog.

CR Number: 4447

Component: Report

Fix: The report generator ignored the passing direction of interface objects which could cause obsolete test data or results appearing within the test report.

CR Number: 4442

Component: SCE

Fix: Enable time step drag 'n drop to the last position of a scenario.

CR Number: 4440

Component: CV

Fix: Prevent loss of focus after selecting another called function or test object.

CR Number: 4439

Component: winIDEA / Wind River MPC

Fix: Define TS_FILE_COMM was missing in communication makefile

CR Number: 4438

Component: Usercode

Fix: Duplicate stub function entries in stub code editor in some cases.

CR Number: 4437

Component: DBD

Fix: Module specific declarations/definitions could get lost when reusing a module.

CR Number: 4436

Component: SCE

Fix: The displayed result state for time step test data got lost in some cases, when selecting a module and switching back to the test object.

CR Number: 4435

Component: TESSY

Fix: Module specific declarations/definitions got lost when copying a module.

CR Number: 4434

Component: CV

Fix: New Feature: Show line numbers in coverage viewer C code view.

Addressed In: 3.0.15 (39 item(s))**CR Number: 4433**

Component: CV

Fix: Fixed code coverage highlighting.

CR Number: 4430

Component: TESSY

Fix: Automatically add include path to the folder that contains the source file.

CR Number: 4429

Component: TDE

Fix: Added 'Enter Character' menu entry for all applicable data types.

CR Number: 4426

Component: VisualDSP / Template Script File / Makefiles

Fix: Template script imported not existing dll.

Addressed In: 3.0.14 (51 item(s))**CR Number: 4423**

Component: Report

Fix: Missing CTE tree in report for test objects imported with pre 3.0 TMB-Files.

CR Number: 4422

Component: SCE

Fix: Fixed calltrace refresh when testobject changes.

CR Number: 4421

Component: SCE

Fix: Scenarios do not open after selection.

CR Number: 4419

Component: TESSY

Fix: Problem executing copied/moved modules without opening them at least once.

CR Number: 4418

Component: SCE

Fix: Wrong test data state in time steps.

CR Number: 4417

Component: Tessy

Fix: It is possible now to generate reports for aborted tests.

CR Number: 4416

Component: SCE

Fix: Execution result state was reset when selecting another test object while having the SCE perspective open.

Addressed In: 3.0.14 (51 item(s))**CR Number: 4415**

Component: TDE

Fix: Proposed name for an advanced stub pointer target was invalid.

CR Number: 4414

Component: Import

Fix: Problem importing synthetic array variables.

CR Number: 4413

Component: XLS Export

Fix: Wrong sort order of array elements within XLS export file.

CR Number: 4411

Component: TESSY

Fix: Test driver generation failed if a module include path with \$(PROJECTROOT) was used and the project root contains spaces.

CR Number: 4410

Component: IDB

Fix: Error comparing IDBs when an external function is not called directly but via function pointer.

CR Number: 4409

Component: TESSY

Fix: Renaming modules do not cause the test objects to become suspicious any more.

CR Number: 4406

Component: TESSY

Fix: Possible duplicate include pathes after restoring a module from backup.

CR Number: 4405

Component: TESSY

Fix: If an existing project is imported with a PDBX-File containing a configuration file location, TESSY failed to load the project.

CR Number: 4404

Component: CDT

Fix: Ask user to save changes when leaving C/C++ perspective while an editor is dirty.

CR Number: 4403

Component: TESSY

Fix: Show error message when attempting to create a support file when no single module or test object is selected in Test Project view.

CR Number: 4402

Component: TESSY

Fix: Disable "Import" command when a module is selected.

Addressed In: 3.0.14 (51 item(s))**CR Number: 4401**

Component: Driver

Fix: The driver generates an invalid makefile if an include path with variables is used in the module settings [e.g. \$(ProgramFiles)\compiler\include].

CR Number: 4400

Component: TESSY

Fix: Enable "Analyze Module" command in Test Project view also when a single test object is selected.

CR Number: 4399

Component: TESSY

Fix: Show special decorator for test objects and test cases in Test Project view when a test was aborted or crashed.

CR Number: 4397

Component: IDB

Fix: Inconsistent test objects in Test Project view after trying to execute a test with errors in source file.

CR Number: 4395

Component: TESSY

Fix: Importing of new or copied projects via double-click on the PDBX files implemented.

CR Number: 4393

Component: TIE

Fix: It was possible to set invalid passing directions for advanced stub pointers.

CR Number: 4391

Component: CV

Fix: Fixed bug in coverage presentation within the branch coverage view in case of "Called Functions" view is not visible at startup.

CR Number: 4390

Component: Instrumenter

Fix: Generated ASCII coverage report files contained a wrong TESSY version number.

CR Number: 4389

Component: Import

Fix: When importing pre 3.0 TMB files having old database format, call trace data wasn't converted correctly.

CR Number: 4388

Component: Plots

Fix: Result plots for deviation mode +/- were showing the upper or lower bounds erroneously in case of + or - deviation values.

CR Number: 4387

Component: TESSY

Fix: Initial size of the test execution dialog could cause the "define breakpoint" toggle button to be invisible in some situations.

Addressed In: 3.0.14 (51 item(s))**CR Number: 4384**

Component: Import

Fix: Importing problems with advanced stub variables fixed.

CR Number: 4381

Component: Import/Export

Fix: Importing problems with call trace data fixed.

CR Number: 4379

Component: TESSY

Fix: Exception when exiting TESSY having an active inline editor inside TDE.

CR Number: 4378

Component: TESSY

Fix: An exception could occur when exiting TESSY while having open a modified C file in the C/C++ - perspective.

CR Number: 4377

Component: Report

Fix: Overview report: Titles corrected and optional description/comments for graphics added.

CR Number: 4373

Component: Wind River MPC / Workbench

Fix: Linking failed due to missing TS_SLAVE define. STARTUP_FILE short path was missing.

CR Number: 4371

Component: TIE

Fix: Possible error when deleting synthetic variables.

CR Number: 4370

Component: TESSY

Fix: New feature: It is now possible to enter value vectors (i.e. enter several values as '{1,2,3}' within TDE) for advanced stub functions that are called multiple times. This is restricted to scalar data types.

CR Number: 4369

Component: IDA

Fix: Enhanced usability of IDA.

CR Number: 4368

Component: SCE

Fix: Update problem after copying scenario test cases within SCE fixed.

CR Number: 4365

Component: SCE

Fix: Multiple calls of a function within a test scenario where the number of expected function calls is equal to one were erroneously evaluated as passed.

Addressed In: 3.0.14 (51 item(s))**CR Number: 4361**

Component: IDA

Fix: Display and automatic assignment of component function parameters (for Component Test modules).

CR Number: 4360

Component: Driver

Fix: Missing const in declaration of const array parameter of stub functions.

CR Number: 4359

Component: TDB

Fix: When importing TMB files created with V2.9 or earlier that contain stubs for local functions but have module specific stub code, this stub code got lost.

CR Number: 4358

Component: TRACE32 / Diab / PPC++

Fix: Problems occurred when communication files were compiled with C++ compiler.

CR Number: 4357

Component: Renesas / HEW

Fix: Problems in makefile templates fixed.

CR Number: 4353

Component: TESSY

Fix: Import of 2.9 tmb files with old database format fails when default 'Database Root Path' was changed.

CR Number: 4352

Component: Module Properties

Fix: Environment editor TEE: Path names containing '\n' and/or '\r' were handled wrongly.

CR Number: 4351

Component: Test Execution

Fix: Problem with handling of 'deleted' test objects fixed.

CR Number: 4350

Component: SCE

Fix: Fixed "Widget is disposed exception" when restoring scenario perspective.

CR Number: 4349

Component: CV

Fix: Fixed wrong code highlighting in case of missing default branch in switch/case statement.

CR Number: 4329

Component: Test Project / Test Item View

Fix: The suspicious indicator at modules or test objects was not updated when the linked requirement version was set/unset semantically equivalent.

Addressed In: 3.0.13 (14 item(s))**CR Number: 4346**

Component: Renesas NC30 / NC100

Fix: Added missing makefile template variables.

CR Number: 4345

Component: Import

Fix: "Test Cases Separately" option gets lost when restoring a module.

CR Number: 4343

Component: TDB

Fix: Database error when importing pre 3.0 TMB files containing user code with comments having 'umlaut' vowels.

CR Number: 4342

Component: IDB

Fix: Error converting old 2.9 IDB databases containing recursive pointers.

CR Number: 4341

Component: Instrumenter

Fix: Missing coverage data for expressions containing mixed boolean expressions within sub flow and relational expressions [e.g. if ((a?1:0) != 1)].

CR Number: 4340

Component: Instrumenter

Fix: Possible infinite loop when reading asm code comments.

CR Number: 4338

Component: Report

Fix: Missing repeat count of test steps added.

CR Number: 4337

Component: TESSY

Fix: Potential problem with license checking fixed that caused subsequent test executions to fail.

CR Number: 4336

Component: IDA

Fix: Reuse fails when project folder contains spaces.

CR Number: 4335

Component: IDB

Fix: Error reading IDB when a called function marked as advanced stub becomes void/void after reuse.

CR Number: 4334

Component: Importer

Fix: Possible SQL-Exception when importing pre 3.0 TMB files containing test objects with CTE test cases.

Addressed In: 3.0.13 (14 item(s))**CR Number: 4333**

Component: Driver

Fix: User declarations were generated to wrong file (.c instead of .h) when driver was generated.

CR Number: 4332

Component: TESSY

Fix: Module analysis failed if defines with parameters were used (e.g. "asm(x)=" that accepts a parameter).

CR Number: 4331

Component: SCE

Fix: Component functions property view: Validation of input values added.

Addressed In: 3.0.12 (18 item(s))**CR Number: 4328**

Component: CTE

Fix: Pointer values and referenced dynamic object values assigned to classifications or classes within the CTE perspective were not propagated into the test items when saving.

CR Number: 4327

Component: Report

Fix: Links to semantically equal requirement versions are now also counted for planning/execution coverage of the latest available requirement version.

CR Number: 4323

Component: Overview

Fix: Source file changes did not reset the test case result states when newly opening/analyzing the module.

CR Number: 4322

Component: IDB

Fix: When changing the passing direction of a struct from UNKNOWN to something else, pointer target passing directions inside the struct remained UNKNOWN.

CR Number: 4321

Component: TESSY

Fix: Test execution within a running TESSY instance was blocked after an attempt to start a second instance of TESSY.

CR Number: 4317

Component: Parser

Fix: Error with pragma directives containing more than 1024 characters.

CR Number: 4313

Component: TDE

Fix: The column header text was not updated when the corresponding test step number changed due to preceding test steps being deleted.

Addressed In: 3.0.12 (18 item(s))**CR Number: 4312**

Component: IDA

Fix: Reuse failed when the default "Database Root Path" was changed.

CR Number: 4311

Component: TDE

Fix: Duplicate test cases where shown when saving within CTE and switching to TDE.

CR Number: 4307

Component: SCE

Fix: Result flags (passed/failed) will be shown only in evaluated time steps.

CR Number: 4306

Component: Report

Fix: Error creating report when a union with passing direction IN was inside a struct with passing direction INOUT.

CR Number: 4305

Component: TDE

Fix: Ask user to save before exporting test object.

CR Number: 4300

Component: Report

Fix: Missing curly bracket at end of stub code in test report.

CR Number: 4298

Component: TDE

Fix: Modified menu entry "Assign Value to Test Steps..." allows assigning values to either all test steps or only those of the current test case.

CR Number: 4295

Component: SCE

Fix: Component functions were shown in stub functions view.

CR Number: 4292

Component: SCE

Fix: Fixed saving problem of test data for time steps within scenarios.

CR Number: 4290

Component: IDA

Fix: Unassigned objects were reported when new test object's return value is void and old was non-void.

CR Number: 4249

Component: Parser

Fix: Support keyword __packed for IAR ARM.

Addressed In: 3.0.11 (2 item(s))**CR Number: 4288**

Component: TDE

Fix: Accept inputs like "identifier.identifier[2]" as pointer values.

CR Number: 4287

Component: TESSY

Fix: Display problem in test project view when executing different test objects of a module with mixed coverage measurements (e.g. one with C1 only and another with MC/DC only).

Addressed In: 3.0.10 (15 item(s))**CR Number: 4283**

Component: IDB

Fix: Possible errors in interface database after moving known functions from unused to used called functions.

CR Number: 4282

Component: TESSY

Fix: Command line import/export functions corrected.

CR Number: 4281

Component: CTE

Fix: Setting background colors for tree elements enabled.

CR Number: 4280

Component: IDB

Fix: Error deleting synthetic global variables from testobject interface.

CR Number: 4279

Component: IDB

Fix: Possible error in passing direction settings of complex structures after reuse.

CR Number: 4278

Component: TDB

Fix: Possible erroneously assigned user code (declarations/definitions/stub function code) after module reuse operation.

CR Number: 4277

Component: TESSY

Fix: Missing test case/-step description/specification/comment text in TMB backup files when saving modules.

CR Number: 4275

Component: IDB

Fix: Possible duplicate entry of synthetic variable in function interface database.

Addressed In: 3.0.10 (15 item(s))**CR Number: 4274**

Component: IDB

Fix: Failure to load interface from report file, when an artificial variable is used only by a function called by the test object and not the test object itself.

CR Number: 4273

Component: TDB

Fix: Possible SQL syntax error exception during reuse operation.

CR Number: 4272

Component: IDB

Fix: During module analysis, the names of enum constants were not compared, leading to errors when merging actually different IDB databases.

CR Number: 4271

Component: TIE

Fix: Possible error when setting passing directions of advanced stub variables.

CR Number: 4270

Component: EXP

Fix: If "test object only" coverage was selected, the called functions were instrumented regardless of this setting. This led to lesser achieved coverage and unexpected calltrace checks.

CR Number: 4268

Component: Driver

Fix: Error when using element [0] of a static local array of structs as pointer target.

CR Number: 4250

Component: Driver

Fix: Error with some compilers in assignment of return value when it is a pointer to const.

Addressed In: 3.0.9 (10 item(s))**CR Number: 4266**

Component: Commandline Interface

Fix: Completely revised command line interface provides access to all elements of the test project as well as test execution and report generation.

CR Number: 4265

Component: Component Test (SCE)

Fix: Enhanced scenario editor (SCE) providing inputs and expected results for each time step within the scenario.

CR Number: 4264

Component: TDE

Fix: Enhanced result plots: Plotting arbitrary variables together or separately for test cases, test steps or arrays.

Addressed In: 3.0.9 (10 item(s))**CR Number: 4263**

Component: Usercode

Fix: Enhanced user code editor as part of the TDE perspective, new evaluation macro result view.

CR Number: 4262

Component: TDE

Fix: New feature: Tabular test data editor (spread sheet) providing result plots of variables.

CR Number: 4261

Component: Coverage Measurement

Fix: Improved handling of coverage measurements: Minimum coverage for individual test objects.

CR Number: 4260

Component: TESSY Overview

Fix: New feature: Overview perspective showing all test and coverage results.

CR Number: 4259

Component: TESSY

Fix: Completely revised graphical user interface based on Eclipse RCP.

CR Number: 4258

Component: CTE

Fix: Enhanced CTE integration: Assigning variable values for all interface types.

CR Number: 4257

Component: Requirements

Fix: New Feature: Management of requirements, linking of test cases to requirements, traceability between requirements and test cases.