Release Notes

Release v3.1.18 (10 items)

Compiler/Target/Microcontroller

TES-508

Updated application note for MULTI 2000.

Compiler/Target/Microcontroller

New Feature

TES-619

New combination for AD CrossCore Embedded Studio ARM Toolchain

Driver

TES-782

Fixed generating function names to get/set arrays with pointers to functions with parameter of undefined array size.

Instrumenter

TES-788

Failed to instrument stub functions if the body contains an initialization with character constants containing a quotation mark.

Interface Assigner (IDA)

TES-784

In IDA new unused struct components got the pass direction of the structure when automatic assigned.

Interface Database (IDB)

TES-762

Fixed duplicate ids in interface database when a struct is declared without members in source 1 and used inside another struct and redclared with mebers in source 2.

Parser

TES-753

Added Keyword __packed for Greenhills v850.

Parser

TES-790

Fixed possible replacement of keywords used as part of identifier names.

Release v3.1.18 (10 items)

Preprocessing

TES-746

Fixed module analyze error if the isnan function is used with a function call as parameter.

Test Execution

TES-749

Test execution fails when option Execute Separately is enabled and the internal id of the test item to execute is greater than 999999.

Release v3.1.17 (28 items)

Compiler/Target/Microcontroller

TES-454

Extended Wind River WindISS documentation.

Compiler/Target/Microcontroller   *New Feature*

TES-659

New compiler and target adaption for Renesas RL78 / Renesas CS+.

Compiler/Target/Microcontroller

TES-664

Updated TI MSP430 / TI CCSv6 configuration.

Compiler/Target/Microcontroller

TES-681

Updated Wind River MPC WindISS makefile template.

Compiler/Target/Microcontroller

TES-683

New combination for Cosmic S12G / winIDEA.

Compiler/Target/Microcontroller

TES-685

Updated MPLAB X configuration and target handler.

Compiler/Target/Microcontroller

TES-710

Attribute 'Linker Options' has been removed and has to be created manually if needed.

Compiler/Target/Microcontroller

TES-711

Corrected Metrowerks HC08 / TRACE32 makefile template.

Compiler/Target/Microcontroller

TES-727

Added build path for Make Call for Renesas RX / e2 studio.

Release v3.1.17 (28 items)

Compiler/Target/Microcontroller
TES-733

REGFILE add to script file of legacy version of CodeWarrior (<10).

Compiler/Target/Microcontroller
TES-759

Keil UVision / ARM RVDS compilation problem fixed.

Defines
TES-689

Possible missing define values if the generated defines files contains extra empty lines.

Driver
TES-714

Generate void in empy parameter list in component test functions.

Driver
TES-716

Possible missing enum declaration in test driver for an enum used as component inside a struct that is used as parameter of a function pointer as struct component.

Import/Export
TES-728

Fixed importing dynamic object from pointer in dynamic struct.

Interface Assigner (IDA)
TES-690

When a module is analyzed close open IDA Views of this module.

Interface Database (IDB)
TES-677

Error in interface database if a structure contains a function pointer using this structure as parameter.

Interface Editor (TIE)
TES-720

Saving Interface with array parameter of undefined size used as pointer set the testobjects interface to incomplete.

Interface Editor (TIE)
TES-721

Fixed setting default passing of array parameter used as pointer.

Interface Editor (TIE)
TES-722

Fixed Null Pointer Exception when finding next/previous undefined interface object in interface containing array parameter used as pointer.

Release v3.1.17 (28 items)

Parser
TES-700

Handle __attribute__((aligned(x))) at structure components.

Parser
TES-713

Fixed handling of __attribute__((aligned(x))) at structure components in nested structs.

Parser
TES-732

Handle __attribute__((aligned(x))) at array declarations.

Restore Database (TMB Files)
TES-701

Missing test cases when importing component test from TESSY 2.9 tmb files.

Restore Database (TMB Files)
TES-702

Possible SQL exception when importing module archives with test objects having a CTE file assigned.

Scenario Editor (SCE)
TES-698

Allow usage of defines from user code as parameter or return for component functions.

Test Data Editor (TDE)
TES-678

Creating a dynamic object fails if the option 'Hide empty sections' in interface preferences is active and the dynamic object node in TDE is hidden.

Test Evaluation
TES-675

Fixed evaluation of hexadecimal NULL (0x00000000) for pointers.

Release v3.1.16 (51 items)

C++
TES-667

Wrong generated user code prolog / epilog for test cases in C++ test objects.

CTE
TES-630

Possible missing test data after auto layout in CTE.

CTE
TES-633

Possible missing test data when entering data inside a refinement.

Release v3.1.16 (51 items)

Command Line (tessycmd)
TES-574

Fixed tessycmd commands to remove defines and include paths.

Compiler/Target/Microcontroller
New Feature

TES-136

New compiler / debugger combination for Cosmic S12Z / iSYSTEM winIDEA.

Compiler/Target/Microcontroller
TES-506

Adapted configuration of AD CrossCore Embedded Studio SHARC for the new ADI processor ADSP-SC58x

Compiler/Target/Microcontroller
TES-557

Reduced number of breakpoints needed for Cosmic/Zap.

Compiler/Target/Microcontroller
TES-573

Fixed Wind River RH850 / WindISS and MPC / WindISS makefile templates and WindISS slave file.

Compiler/Target/Microcontroller
New Feature

TES-588

Initialization by a second CPU was implemented for TI's Code Composer Studio.

Compiler/Target/Microcontroller
New Feature

TES-598

Implemented attribute 'Main Memory Qualifier' which is used to declare far, near etc. for function main().

Compiler/Target/Microcontroller
Enhancement

TES-600

Improved Renesas RX / e2 studio configuration, documentation has been expanded.

Compiler/Target/Microcontroller
TES-602

Fixed Renesas RX (C++) configuration.

Compiler/Target/Microcontroller
TES-610

Support long double for IAR AVR.

Compiler/Target/Microcontroller
Enhancement

TES-616

Updated e2 studio / RX C(++) template makefiles and configuration.

Compiler/Target/Microcontroller
Enhancement

TES-640

Update for latest TRACE32 API applied.

Release v3.1.16 (51 items)

Compiler/Target/Microcontroller

New Feature

TES-646

New target / compiler combination for CodeWarrior 10.x and GNU Tools for ARM.

Compiler/Target/Microcontroller

TES-674

Improved error handling of e2 studio 3 target handler.

Component Test

Enhancement

TES-612

Variable TS_CURRENT_TIMESTEP available for stubs and user code.

Component Test

TES-617

Possible loss of dynamic objects when reusing component test scenario.

Component Test

TES-638

Fixed entering component function parameter containing '&' and '[ ]'.

Component Test

TES-661

Erroneous eval macro was generated for component functions returning pointer.

Coverage Viewer (CV)

Enhancement

TES-523

Tooltips added for names of atoms (i.e. for the column names) within the condition coverage tables.

Driver

TES-599

Error generating test driver when defines are used as values for component function parameter.

Driver

TES-609

Fixed resetting TS_CALL_COUNT in component test stubs.

Driver

TES-611

Usage of functions as targets for scalar and void pointers.

Driver

TES-637

Tests with IAR compiler using medium or high optimization are now executable.

Driver

TES-654

Size [1] was generated at array parameter of undefined size.

Release v3.1.16 (51 items)

Import/Export
TES-631

Fixed importing values from multiple value sheets in Excel.

Import/Export
TES-632

Fixed importing stub code from Excel.

Instrumenter
TES-655

The instrumenter crashes when processing strings containing more than 512 characters.

Interface Assigner (IDA)
TES-652

Test data was not reused when only the values of an enum were changed in source.

Interface Database (IDB)   *Enhancement*
TES-510

Array parameter without size specification are now treated as pointer by default.

Interface Database (IDB)
TES-608

Error during compare/merge if a bitfield contains fillbits of mixed types (integers and enums).

Interface Database (IDB)
TES-660

Error in interface database when a struct was declared without members in first source and defined and used in second source.

Interface Editor (TIE)
TES-634

Creating synthetic variable failed when option 'One section for global and external Variables' is active.

Interface Editor (TIE)
TES-676

After saving the interface settings with interface objects still unknown, any subsequent save operation within TIE did not save the current contents.

Parser
TES-620

Support keywords _Bool und __attribute__ for TI TMS470/570.

Parser
TES-623

Allow __attribute__ ((packed)) in cast expressions.

Parser
TES-624

Parse register declaration of Microchip XC16 (e. g. register T_U16 Accu_A asm("A");).

Release v3.1.16 (51 items)

Parser
TES-656

Added support for multi-character character constants.

Report
TES-647

The test details reports were not merged into the overview report if different output directories were specified for the details and overview reports.

Report
TES-648

When using the merge option for test details reports into the overview report the test details reports were appended in arbitrary order into the result document.

Report   *Enhancement*
TES-650

Added test case names into PDF outline of the test details report.

Restore Database (TMB Files)
TES-548

Save & restore requirement linking for scenario test cases.

TESSY (General)
TES-568

Possible crash of task executor process for commands without any command line arguments.

Test Data Editor (TDE)   *Enhancement*
TES-502

Allow reverse value ranges for generator test cases (e.g. [5:-5])

Test Data Editor (TDE)
TES-597

Treat single input value for advanced stub return value vector similar to single value inside { }.

Test Data Editor (TDE)   *Enhancement*
TES-651

Abort 'set pointer target' mode when escape button is pressed.

Test Database (TDB)
TES-601

If only the value of define used as testdata changes in a sourcefile, the value of the define is not changed in the test database. Following tests are executed with the old values.

Test Execution   *Enhancement*
TES-622

A test is now only executable when non void stub functions have code for all test items or test object or module code to ensure that the function returns something useful. A warning is issued when a stubbed function with pointer parameter lacks test object or module stub code.

Release v3.1.16 (51 items)

Test Execution
TES-649

A test case is now executable only when all its test steps are executable.

Release v3.1.15 (7 items)

Command Line (tessycmd)
TES-584

tessycmd may run out of internet handles when executing a huge amount of test objects.

Compiler/Target/Microcontroller
TES-579

Implemented C++ support for Renesas RX compiler.

New Feature

Driver
TES-576

Error in test driver for component test with OUT->OUT pointer to dynamic object.

Interface Database (IDB)
TES-582

Automatic updates of the test object interface settings when opening/analyzing modules caused loss of test data in some cases. Reverted changes done according to 'TES 367' and related changes of 'TES 401' and 'TES 539'.

Parser
TES-583

Support #pragma inline=forced for IAR MSP430.

Restore Database (TMB Files)
TES-580

Erroneous 0 value in test data of enum values when importing CTE test cases from Tessy 2.9 TMB files where enum constants were used as value assignments within CTE tree elements.

TESSY (General)
TES-587

Allow to set the 'Makefile Variable' flag for attributes on module level.

Release v3.1.14 (9 items)

Compiler/Target/Microcontroller
TES-106

New compiler and target adaption for Renesas RX / Renesas e2 studio.

New Feature

Compiler/Target/Microcontroller
TES-558

MPLAB X target handler can be restarted for each test by setting the boolean type TEE attribute "Quit Target Handler" (this prevents from problems within MPLAB IDE when not restarted).

Release v3.1.14 (9 items)

Driver
TES-564

Error in generated driver file for static local pointer that is OUT->OUT and targeting a dynamic object.

Driver
TES-571

Possible wrong order of declarations of structures in driver if an array of structures is used inside a struct.

Instrumenter
TES-572

Error instrumenting sources with '$' in variable names.

Interface Assigner (IDA)
TES-562

Fixed reuse of defines used as parameter or return value in component functions.

Parser
TES-565

Support type bool for Microchip XC8 and XC16 compiler.

Scenario Editor (SCE)
TES-559

Enum values were displayed with their numeric value instead of the enum name within the parameter and return value properties of called component functions.

Scenario Editor (SCE)
TES-570

Do not show empty time steps in actual calltrace view when a filter is applied.

Release v3.1.13 (36 items)

ASAP Conversion
TES-512

Error in ASAP evaluation when a calculated value is outside the normal variable types boundary.

CTE
TES-517

Changing the name of a test sequence inside CTE has no effect inside TESSY.

Compiler/Target/Microcontroller
TES-380

New combination for Freescale S12Z / CodeWarrior 10.6.

Compiler/Target/Microcontroller
TES-489

Fixed Main Type attribute for Wind River TriCore / WindISS.

Release v3.1.13 (36 items)

Compiler/Target/Microcontroller
TES-531

Fixed Cosmic S12G / ZAP template makefile.

Compiler/Target/Microcontroller
TES-540

Corrected Wind River MPC / iSYSTEM winIDEA configuration and makefile template.

Component Test
TES-533

Missing stub code when importing component test module archives created with TESSY version prior to 3.0.

Import/Export
TES-545

Fix for ReqIF importer handling requirements with string ids.

Import/Export
TES-555

Test data values for advanced stub function variables are missing after test data import if the variable data type is structure passed by value.

Import/Export
TES-556

Stub functions without any stub code are missing in the test object export file.

Instrumenter
TES-496

Possible wrong actual value when mixing binary with logical operators. [e.g. value = (x << 1) | ((a == 1 || a == 2));]

Instrumenter
TES-500

The instrumenter may crash on conditions with more then 16 atoms.

Instrumenter
TES-530

The instrumenter fails on IAR specific special floating point function isnan.

Instrumenter
TES-534

The instrumenter crashes on functions containing more than 32 switch statements.

Instrumenter
TES-551

Possible wrong input and/or expected value for static local variables having an initialization value surrounded with curly braces.

Release v3.1.13 (36 items)

Interface Database (IDB)
TES-527

Error loading test run that contains a function moved from unused functions to the interface that calls another unmoved function that uses a static local variable.

Interface Database (IDB)
TES-532

Possible error comparing interface databases containing structures declared inside structures.

Interface Database (IDB)
TES-539

Possible inconsistent passing directions in struct components after analyze or reuse.

Interface Editor (TIE)
TES-507

An artificial variable of a structured type that was declared with pack pragma in the user source lacked the pragma.

Parser
TES-441

Failed to analyze a module if defines contained parenthesis or spaces as values.

Parser
TES-469

Failed to analyze asm functions with static modifier. [e.g. static asm function () {...}]

Parser
TES-504

Failed to parse asm functions if the function header spans multiple lines.

Parser
TES-505

Added keyword __section() for MPLab PIC 18 Compiler.

Parser
TES-519

Fixed handling of IAR compiler specific constants 0.nan, 0.infinite, and special function __c99_generic(...).

Parser
TES-543

Parser error on duplicate typedef of a function pointer.

Restore Database (TMB Files)
TES-514

Possible SQL exception when importing module archives having a test database that contains no longer referenced test data.

Release v3.1.13 (36 items)

Restore Database (TMB Files)

TES-544

Possible missing stub code after module backup restore.

Scenario Editor (SCE)

TES-513

Exceptions in Senario View when showing C code fragments with leading empty lines.

Scenario Editor (SCE)

TES-516

Error loading empty Scenarios.

Scenario Editor (SCE)

TES-537

Call trace filter may not work correctly for calls from work task.

Scenario Editor (SCE)   *Enhancement*

TES-549

Fixed entering variable names for component function parameter and return.
Allow to enter compare operators (==, !=, <=, >=, <, >) for component function return.

Scenario Editor (SCE)

TES-550

Avoid infinite loop while trying to display the call trace for a scenario if a component function is called more than once.

TESSY (General)

TES-497

Reworked database process management to avoid leaving running nonfunctional daemon processes when exiting TESSY.

TESSY (General)

TES-518

Skip database verification when saving a module that has not been analyzed.

TESSY (General)

TES-536

Optimized start/stop operation of the DERBY database on TESSY startup/shutdown.

Test Database (TDB)

TES-541

OutOfMemory exception when trying to import module archives containing test objects with very large arrays (> 8 MB of data).

Release v3.1.12 (50 items)

CTE
TES-468

Test sequence descriptions from CTE were not synchronized into the generated TESSY test cases.

Command Line (tessycmd)
TES-457

Enhancement

Wait for application to terminate when executing TESSYD shutdown.

Compiler/Target/Microcontroller
TES-69

New target combination for IAR RX / C-Spy.

Compiler/Target/Microcontroller
TES-175

New Compiler / Target adaption for Atollic GCC / SEGGER J-Link GDB / TrueSTUDIO.

Compiler/Target/Microcontroller
TES-396

New Feature

New combination for GNU Tools ARM / SEGGER JLink debugger.

Compiler/Target/Microcontroller
TES-406

New combination for Freescale HCS08 / CodeWarrior 10.

Compiler/Target/Microcontroller
TES-409

Updated Wind River Tricore / MPC slave and makefiles.

Compiler/Target/Microcontroller
TES-421

Added checksum feature to target communication makefiles where this feature was missing.

Compiler/Target/Microcontroller
TES-433

Added short path conversion for linker file of TRACE32 / Metrowerks S12X makefile template.

Component Test
TES-413

Enhancement

Hide empty parameter and return nodes in SCE test data view.

Component Test
TES-466

Possible id clash when copying and pasting scenarios.

Component Test
TES-485

Possible error in scenarios test object resulting in reuse after every module analyze: When a variable was referenced from a component function that was hidden within the component function list.

Release v3.1.12 (50 items)

Component Test
TES-491

Possible out of memory exception when evaluating scenarios with very large call traces.

Driver
TES-453

New attribute "Use Parameter Prefix" added to prevent name conflicts with test object parameters

Driver
TES-470

Errors in generated driver for very complex unions of one type in two or more variables.

Driver
TES-472

Possible wrong declaration order of structs in test driver header, if function pointer in structs use pointers to nested structs as parameter.

Instrumenter
TES-478

The calculated C0 coverage was too low for switch statements having a default label without statements.

```
switch (s) {
  default:
  case 0:
    break;
  case 1:
    break;
}
```

Instrumenter
TES-487

The instrumenter fails on function definitions having parenthesis around the function name. [e.g. int (foo) (int in) {}]

Interface Assigner (IDA)
TES-442

Possible reuse error when a module interface changes after analyze while an IDA view of the module is still open and then a commit is performed in this view.

Interface Assigner (IDA)
TES-486

Passing directions for advanced stub variables were reset to their default value when reusing component tests.

Interface Database (IDB)   *Enhancement*
TES-423

Improved performance of automatic reuse during module analyzation.

Interface Database (IDB)
TES-490

Type attributes (e.g. __attribute__((packed))) missing in component test.

Release v3.1.12 (50 items)

Interface Editor (TIE)

TES-416

Remove stub code from test database when changing a stub function from normal to advanced or none. This prevents old stub code to appear again when switching back to normal stub.

Interface Editor (TIE)

TES-464

Do not show artificial test object 'Scenarios' in module interface.

Interface Editor (TIE)

TES-471

Fill bits got a passing direction other than IRRELEVANT when the structs pass direction was changed.

Interface Editor (TIE)

TES-479

Fixed 'Next/Previous Undefined Object' function.

License Manager   *Enhancement*

TES-384

If possible the floating license manager (FLS) stores the license file now inside the installation folder.

License Manager

TES-462

Fixed possible license server connection failure.

Parser

TES-410

The parser now supports __attribute__ and __attribute to specify extended attributes.

Parser

TES-430

Parse error with enums declared with __attribute__((packed))

Parser   *Enhancement*

TES-492

Performance improvement for analysis of modules containing many functions and using large data structures.

Report

TES-425

The list of linked requirements for each scenario was missing within the test details report for all executed component test scenarios.

Restore Database (TMB Files)

TES-439

When restoring a module backup that contained test objects with generator test cases the generated test data was missing for those test objects.

Release v3.1.12 (50 items)

Restore Database (TMB Files)
TES-459

Possible error converting old database format TESSY 2.9 TMB files containing component tests.

Restore Database (TMB Files)
TES-463

Possible id clash when restoring a module archive with test objects having a CTE file with a large number of test cases.

Restore Database (TMB Files)
TES-477

Test data was missing when restoring a TMB file containing component tests with CTE test scenarios.

Scenario Editor (SCE)
TES-418

Fixed scrolling to selected time step in test data view.

TESSY (General)
TES-417

In really rare cases, some computers refused to rename a file e.g. from "foo.tmp" to "foo.tmp.tmp" with an "Access denied" error which caused subsequent opening of TESSY projects to fail.

TESSY (General)
TES-431

The newly introduced properties check for test projects was too restrictive which caused existing projects within directories starting with "c:\tessy" being refused to be opened.

TESSY (General)
TES-449

The Progress View is now accessible via "Window -> Show View..."

Test Data Editor (TDE)
TES-411

An error message will now be issued if advanced stub vector values are entered for struct/union members (which is not supported).

Test Data Editor (TDE)   *Enhancement*
TES-435

It is now possible to use *min*/*max*/*min+1*/*max-1* to generate teststeps and to use those values in advanced stub vectors.

Test Data Editor (TDE)   *Enhancement*
TES-438

Superfluous leading address operator '&' will automatically be removed when entering pointer targets.

Test Data Editor (TDE)
TES-446

Allow editing values in TDE via numpad

Release v3.1.12 (50 items)

Test Data Editor (TDE)

Enhancement

TES-447

New key binding Alt+X to execute "Actual -> Expected" command in test data editor.

Test Database (TDB)

TES-428

Check whether the test database subsystem could be startet and show an error message if not.

Test Database (TDB)

TES-432

Test data of generated test steps may get lost during analzyation of a module.

Test Execution

TES-415

Missing stub code when running a batch test from command line having test objects with the same name prefix. [e.g. init, init_one, init_two]

Test Execution

Enhancement

TES-437

Allow limiting the number of test runs to be kept per test object via the Test Execution Preferences

Test Execution

TES-440

When saving modifications inside the CTE perspective and changing into the TDE perspective, the Test Item view selection became invalid. (The selection referenced test item objects that were no longer valid)

Release v3.1.11 (4 items)

Compiler/Target/Microcontroller

New Feature

TES-397

New combination Cosmic S12G / TRACE32 and adjustment of S12G configuration.

Compiler/Target/Microcontroller

TES-400

Fixed wrong define in IAR compiler makefile templates and added missing makefile flags.

License Manager

Enhancement

TES-377

Added a utility program to test the connection to the Floating Licence Server.

Restore Database (TMB Files)

TES-398

When importing module archives created with a TESSY version prior to 3.0, pointer values to dynamic objects get lost if dynamic objects with the same name but different data types are used in different test steps.

Release v3.1.10 (54 items)

ASAP Conversion
TES-371

All errors and warnings of the ASAP parser will be written to the TESSY console view.

CTE
TES-339

Fixed possible exception when closing TESSY with the CTE perspective as active perspective.

CTE
TES-340

Changing from CTE perspective to TDE perspective with unsaved changes of test data caused the test data view to stay modified even though the ask-for-save question has been acknowledged.

Command Line (tessycmd)
TES-310

Configure console output for TESSYD via system property

Compiler/Target/Microcontroller   *New Feature*
TES-227

New combination for Wind River TriCore compiler / Wind River WindISS implemented.

Compiler/Target/Microcontroller   *Enhancement*
TES-290

Improved NEC/V850 smv850 client synchronization function.

Compiler/Target/Microcontroller   *Enhancement*
TES-295

Script and application notes updated for Wind River WindISS / Workbench 4.

Compiler/Target/Microcontroller   *New Feature*
TES-303

New combination for Cosmic S12G / Cosmic ZAP implemented.

Compiler/Target/Microcontroller
TES-344

Fixed slave sync function name for smv850.

Compiler/Target/Microcontroller
TES-348

Added missing target files for SMV850.

Compiler/Target/Microcontroller
TES-354

Fixed problem in makefile template for Renesas SH / TRACE32.

Compiler/Target/Microcontroller
TES-355

Fixed problem with NEC/V850 and NEC/78K0 targets.

Release v3.1.10 (54 items)

Compiler/Target/Microcontroller
Enhancement

TES-364

CodeWarrior: TEE attribute "Register File" can be used to select a target specific register file.

Compiler/Target/Microcontroller

TES-365

Fixed rarely occurring read only problem for data input files.

Compiler/Target/Microcontroller
Enhancement

TES-366

Improved Tasking VX script files.

Compiler/Target/Microcontroller
Enhancement

TES-372

Updated TRACE32/Freescale HC08 makefile template.

Compiler/Target/Microcontroller

TES-378

Fixed TRACE32/Cosmic/S12X communication makefile.

Component Test

TES-360

Error collecting variables used in Component Test from hidden static/inline functions.

Coverage Measurement

TES-212

Reduced required C0 coverage for loops: Once the loop has been entered will now result in 100% coverage for the loop (regardless whether the loop was exited abnormally via return or break statements).

Coverage Viewer (CV)

TES-305

Fixed c0 coverage calculation and colors in subflows.

Coverage Viewer (CV)

TES-389

Draw unreached case branches gray in c0 mode.

Coverage Viewer (CV)

TES-391

Fixed displayed C0 coverage for empty cases in a switch statement.

Driver

TES-368

Crash of driver32.exe when a synthetic variable was created and then the Environment was changed to a Compiler that does not support the variables type.

Environment Editor (TEE)

TES-333

Failed to open a configuration file residing on a drive that lacks ACL support.

Release v3.1.10 (54 items)

Environment Editor (TEE)
Enhancement

TES-358

Allow , and ; as delimiter to specify a defines and/or include list.

Import/Export

TES-347

Importing TMB files from TESSY version less than 3.x caused the test sequences and test steps being imported as normal test item instead of CTE test items.

Import/Export

TES-352

Fixed problem when importing XLS files without any inputs/outputs but call trace or user code contents.

Instrumenter

TES-327

Missing call trace for functions having static local variables and test execution has no instrumentation.

Instrumenter

TES-359

Fixed crash of coverage instrumentation for very long ternary statements.

License Manager

TES-306

Fixed incorrect additional information message found in checked out license key file.

License Manager

TES-307

Fixed license server startup problem.

License Manager
Enhancement

TES-314

Use %USERPROFILE% folder to store the checked-out license file.

Makefile Templates

TES-350

Displayed target binary path has been harmonized for resp. makefile templates.

Parser

TES-323

Failed to analyze source code containing a struct or union that uses a typedef name as member name.

Parser

TES-373

Parsing of Tasking C166 keyword _atbit.

Report

TES-317

Within the overview report, the entry point (EPC) coverage column was always shown if EPC coverage was available even though the "Show Coverage Charts" option was not activated.

Release v3.1.10 (54 items)

Report
Enhancement

TES-334

Don't show actual values and result for a generator test step in report.

Report
Enhancement

TES-341

The report template path can now be specified in the Test Report Options preference page

Requirements

TES-322

Fix for requirement document import when importing an updated version of an already imported document: Additionally added requirements caused a change of the id of subsequent existing old requirements.

Requirements

TES-351

Fix for some cases where only a part of formatted requirement text was imported from a ReqIF file.

Requirements

TES-379

Restoring TMB files containing test objects or test cases with links to requirements with string type IDs was failing.

Scenario Editor (SCE)

TES-324

Fixed wrong scroll position after editing test data in SCE.

Scenario Editor (SCE)

TES-388

Fixed time step paste functionality.

TESSY (General)
Enhancement

TES-259

Allow assignment and removal of CTE trees for test objects. Assigment is possible either from other test objects or from given CTE files.

TESSY (General)

TES-277

Attributes with the ENVIRONMENT or ADD_TO_PATH flag may not be modified

TESSY (General)

TES-336

Error displaying test run containing generator test case.

TESSY (General)
Enhancement

TES-337

Allow non-empty directories for project location and database location when creating a new project, as long as they do not already contain any project or database files.

Release v3.1.10 (54 items)

TESSY (General)
TES-342

Fixed an issue that prevented projects from being created at a path longer than 80 characters

TESSY (General)
Enhancement

TES-374

Improved default directories for file dialogs

Test Data Editor (TDE)
Enhancement

TES-328

Added buttons to copy prolog/epilog to other test steps

Test Data Editor (TDE)
TES-330

Removed character limit in Initialize Test Data dialog

Test Data Editor (TDE)
TES-331

Fixed missing return values for test runs if a test object has been renamed.

Test Execution
TES-311

Fix for possible exception during test execution if there are test cases linked to many requirements.

Usercode Editor (UCE)
Enhancement

TES-329

Added options for copying call trace to other test steps.

Release v3.1.9 (24 items)

C++
New Feature

TES-275

C++ support for IAR MSP430 IAR C-SPY added.

CTE
TES-256

Possible race condition when changing the test object while inside the CTE perspective.

CTE
TES-296

CTE Tree missing in report after copy and paste of module.

Compiler/Target/Microcontroller
New Feature

TES-226

New adaption of RH850F1x family using dcc and Wind River Workbench 4 / WindISS.

Release v3.1.9 (24 items)

Compiler/Target/Microcontroller
TES-248

Substituted command 'type' in respective makefile templates.

Compiler/Target/Microcontroller
Enhancement

TES-261

Implemented customer suggested improvement for HEW script.

Component Test
TES-291

Static or inline functions in component test were shown as "Scenario Called Functions" even if the respective settings were unchecked in module properties. Also functions from sources marked with 'hide functions' were shown. Now such functions will be hidden within the respective GUI views as desired.

Coverage Measurement
TES-191

The reported C0 coverage could be too high if a case in a switch statement was reached via fall through and once again directly.

Coverage Viewer (CV)
TES-268

Fixed erroneous condition coverage presentation in flow chart.

Coverage Viewer (CV)
TES-297

Fixed errorneous C0 calculation in switch/case.

Instrumenter
TES-285

Invalid code instrumentation for test objects having asm instructions with label statements.

Interface Assigner (IDA)
TES-274

Reuse of array parameter used as pointer corrected.

License Manager
TES-292

Fixed incorrect handling of umlauts.

Parser
TES-282

Failed to analyze a module with asm() statements outside a function.

Report
Enhancement

TES-279

Allow report output directory to be set relative to the project root

Release v3.1.9 (24 items)

Requirements

New Feature

TES-281

It is possible to define requirement document attributes with patterns that will be replaced by values from the execution coverage report. The possible patterns are $(RESULT), $(TESTS.FAILED), $(TESTS.PASSED), $(TESTS.TOTAL).

Requirements

TES-284

Don't automatically expand all elements in Requirement Coverage View when multiple elements are selected as input

Requirements

TES-298

Fixed problem with linked requirements when commiting only changed attribute values of a requirement.

Requirements

TES-299

Fixed propagation of requirement attribute flags to inherited attributes so that visible attributes appear within the requirement document report.

Restore Database (TMB Files)

Enhancement

TES-278

Sort elements alphabetically in Save and Restore Database Dialog

TESSY (General)

TES-255

If a module was restored with an environment that doesn't exist within the current project, the module could not be deleted and it was not possible to select a valid environment for the module.

TESSY (General)

TES-270

After opening a project by double-clicking on the PDBX file, selecting another project did not work: The formerly open project was opened again.

TESSY (General)

TES-283

Fixed an issue with items that have additional content, such as comment, description, or specification

Test Evaluation

TES-262

Eval macros for float values could fail although they should have been passed if the locale of the computer was english but the decimal delimiter was ',' instead of '.' (which is the C notation).

Release v3.1.8 (55 items)

ASAP Conversion

Enhancement

TES-164

ASAP parser now supports reading conversion rules for variable names containing array indices.

Release v3.1.8 (55 items)

CTE
TES-184

Optimized synchronization handling between TESSY and CTE when editing and viewing test data for CTE tree nodes and test cases.

CTE
New Feature

TES-201

Improved algorithm to compute the tree element from which to take the test data for the marks of a given test case (in case of test data assignments for a variable within different tree nodes).

Command Line (tessycmd)
Enhancement

TES-219

XSL style sheet for evaluation of TESSY overview report for usage in continuous integration servers (e.g. Jenkins) added.

Command Line (tessycmd)
Enhancement

TES-223

Additional option for "restore" command: Alternative backup directory can be specified.

Command Line (tessycmd)
Enhancement

TES-228

New commands added for setting the test environment (compiler/target) of a module.

Compiler/Target/Microcontroller
TES-85

Updated compiler/linker paths within makefile template for uVision 5.

Compiler/Target/Microcontroller
TES-177

Fixed connection problems for several "target handler" binaries (i.e. the target handler failed to startup properly).

Compiler/Target/Microcontroller
TES-190

Removed erroneous entry within "idb-windriver.mak" file used for preprocessing for Windriver compiler.

Compiler/Target/Microcontroller
TES-208

Renesas HEW debugger application notes have been updated.

Compiler/Target/Microcontroller
TES-224

Run time errors in TI CCS4 and MPLAB X master files have been fixed, which caused a test run to abort.

Compiler/Target/Microcontroller
TES-230

Fixed error handling failure for Wind River Workbench master file.

Release v3.1.8 (55 items)

Compiler/Target/Microcontroller

TES-231

Fixed test run failure for TI TMS 320 in combination with TRACE32.

Compiler/Target/Microcontroller

TES-235

Updated Wind River configuration and makefiles.

Compiler/Target/Microcontroller

Enhancement

TES-244

Implemented attribute Slave Debug Call to differ between interactive and non-interactive test runs.

Coverage Measurement

New Feature

TES-117

Added preference option to remember instrumentation settings individually for each test object

Coverage Viewer (CV)

TES-189

Possible wrong coverage flow diagram if an initialization with '{' '}' is used.

Coverage Viewer (CV)

TES-240

Missing C0 coverage number in ASCII coverage report and Coverage Viewer for functions containing no branches (always 0% was displayed).

Driver

Enhancement

TES-220

New boolean attribute 'Generate Defines' available to control whether user defines are to be generated to test driver code (for usage within the user code). These generated defines can cause conflicts with equally named identifiers of declarations generated within the test driver code.

Import/Export

Enhancement

TES-195

Keep EXTERN passing direction for a variable when importing test data if no values for this variable are given within the import file (when using the "Update passing directions" import option).

Import/Export

Enhancement

TES-232

Test data export of actual values enabled.

License Manager

TES-179

The check-in and check-out of licenses failed if the user name contains spaces.

Notes View

TES-186

Fixed exceptions within the notes view when using the filter "Show All Notes" and the view contained notes for already deleted modules, test objects or test cases.

Release v3.1.8 (55 items)

Report
TES-222

The requirement coverage reports (both planning and execution) still showed the original test case numbers after re-ordering within CTE or re-numbering within TESSY.

Requirements   *New Feature*
TES-211

Re-export of imported ReqIF files with additional information about test case results for each requirement is now possible.

Requirements
TES-229

If the link matrix contained elements of different types (e.g. requirements and test cases) within one axis, the sorted sub lists of elements got their positions exchanged on each refresh of the matrix.

Restore Database (TMB Files)
TES-188

Don't show "Restore Database Dialog" for empty projects when no TMB files are available in the backup directory

Restore Database (TMB Files)
TES-243

Fixed bug in Restore Database Dialog where the last letter of requirement names was not shown

Scenario Editor (SCE)
TES-162

Included test data of init time step into test report.

Scenario Editor (SCE)
TES-170

The function calls in the scenario Call Trace view didn't display the number of calls anymore after reloading the scenario.

Scenario Editor (SCE)
TES-198

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).

TESSY (General)   *New Feature*
TES-111

The new project management of TESSY provides unique identifiers for each project, cloning of projects, template projects and much more configuration settings that are stored within the tessy.pdbx file. Also a SOURCEROOT variable has been introduced that allows separating the TESSY database location from the location of the source files. Existing projects are fully compatible and need only being updated when any settings are changed. Problems when renaming or copying/moving projects were fixed.

TESSY (General)   *Enhancement*
TES-163

Use builtin TAR to create / extract module archives.

Release v3.1.8 (55 items)

TESSY (General)
Enhancement

TES-166

Added decorator for elements in Test Project view when additional information is available (e.g. comment, specification).

TESSY (General)

TES-168

The TESSY installer now checks if the volume where TESSY is being installed supports "DOS 8.3" file name support (Required for makefile execution).

TESSY (General)
New Feature

TES-206

Added button to terminate test execution to Console view.

TESSY (General)
New Feature

TES-207

Show hyperlinks for compile errors in Console View

TESSY (General)
New Feature

TES-218

The environment can now be set for all modules within a folder or test collection at once.

TESSY (General)

TES-238

TESSYD failed to import a project if path of the given tessy.pdbx file differs from its short path notation.

TESSY (General)

TES-251

Improved resource usage when modifying environments

TESSY (General)

TES-267

Improved error feedback to the user

Test Data Editor (TDE)

TES-154

Ask user to save unsaved test data before converting test case from generator to normal or vice versa.

Test Data Editor (TDE)

TES-155

Context menu was insensitive in case of a test object with only one generator test case in the test item list.

Test Data Editor (TDE)

TES-156

When changing values of generator test cases and subsequently executing a test without explicitly saving the test data prior to the execution caused the TDE to become inactive.

Release v3.1.8 (55 items)

Test Data Editor (TDE)
TES-157

Fixed bug where test data editor TDE would not be refreshed when creating a test case for a test object with no interface.

Test Data Editor (TDE)
TES-158

Fixed pasting range values for generator test cases.

Test Data Editor (TDE)
TES-192

Update Test Definition view upon selection change in Test Data view.

Test Data Editor (TDE)   *Enhancement*
TES-193

Enabled usage of enum constants or defines as input ranges for generator test case.

Test Data Editor (TDE)
TES-199

Optimized selection handling in TDE.

Test Data Editor (TDE)
TES-203

Fixed bug where TDE would scroll to another column after editing an element

Test Data Editor (TDE)
TES-204

Clear cell selection when scrolling in TDE

Test Data Editor (TDE)
TES-210

Performing a renumbering in the TDE / Test Items view without prior saving caused unsaved test data being lost.

Test Execution
TES-242

Fixed bug where report generation would produce an error for test objects with "aborted" state

Test Execution
TES-245

Fixed bug where changing instrumentation in the Execution Dialog would not work correctly when the "Remember instrumentation individually for each test object" preference option is set

Usercode Editor (UCE)
TES-249

Don't highlight quoted keywords in Usercode Editor

Release v3.1.7 (8 items)

Coverage Measurement

TES-152

Fixed missing C0 coverage result for test objects containing no branches.

Environment Editor (TEE)   *Enhancement*

TES-146

References to linker files or startup code within makefile templates were moved into TEE attributes for some compiler/targets.

Interface Editor (TIE)   *Enhancement*

TES-120

Show confirmation dialog, when change of module stub settings may affect other test objects.

Requirements

TES-147

Bugfix for ReqIF importer handling empty chapter names.

TESSY (General)   *New Feature*

TES-121

Added SHA1 hash of source and header files in test report XML file.

Test Data Editor (TDE)   *New Feature*

TES-118

New TEE attribute "Default Call Trace Evaluation" provides means to specify the default call trace evaluation for newly created test steps: The default is "Ignore Call Trace" and may be switched to "No Call Expected" which means that the test will fail if any function is called.

Test Evaluation

TES-174

Empty output values were evaluated as passed.

Test Execution   *New Feature*

TES-119

Added new attribute "Execution Timeout Call" which can contain a DOS command that will be executed after the test execution has timed out (and was aborted).

Release v3.1.6 (10 items)

Compiler/Target/Microcontroller

TES-171

Updated application mutex for tthd.exe

Component Test

TES-122

Corrected handling and reuse of enum type mode variables.

Release v3.1.6 (10 items)

Interface Database (IDB)
TES-135

An exception was thrown when the attribute "Use Alias Names" was missing within the environment editor (TEE) configuration.

Report
TES-133

Use test object id instead of test object name for report XML files in the module working directory. Using the test object name would cause report generation to fail if the name was too long.

Report
TES-134

Fixed error that occurred while creating overview report for not executed component test.

Report   *Enhancement*
TES-141

Added more options to show/hide report parts for all kinds of reports.

Report
TES-149

Do not print superfluous value conversion warnings when generating a test object report.

Requirements
TES-132

The requirement coverage calculation could count test results for a requirement from older test runs if the respective requirement was not linked any more to formerly linked test cases. Also the names of linked scenario test cases were missing.

Scenario Editor (SCE)
TES-138

Fixed bug where selecting an element in the "Test Project" view while having "Highlight Modified Values" enabled in TDE caused the test data tree to be collapsed.

Scenario Editor (SCE)
TES-139

Changed icon for incomplete test data in time steps.

Release v3.1.5 (12 items)

Command Line (tessycmd)   *New Feature*
TES-125

The command line mode for TESSY (i.e. running TESSY without the GUI) has been enhanced to fully support continous integration activities (e.g. using Jenkins). The new headless-mode executable 'tessyd.exe' allows importing and opening/closing projects from the command line.

Compiler/Target/Microcontroller   *New Feature*
TES-10

New 'Original Binary Test' (OBT) feature available for winIDEA targets. TESSY automatically generates YAML scripts for test execution using winIDEA.

Release v3.1.5 (12 items)

Coverage Measurement
New Feature

TES-123

New coverage preselection feature and additional coverage measurements (Statement coverage 'C0', decision coverage 'DC', function coverage 'FC' and entry point coverage 'EP') added. Coverage measurements may be selected based on applicable standards for a project.

Report
Enhancement

TES-53

Report names are now configurable and the configuration will be stored for each project separately.

Report
Enhancement

TES-107

The overview report lists the test environments used for all included modules.

Report
New Feature

TES-128

The reporting now provides an overview report as one PDF document including all test details reports. Alternatively, the overview report may include links to the individual test details reports. Additional PDF bookmarks have been added to the overview and details reports.

Requirements
New Feature

TES-126

The requirements management within TESSY has been enhanced to support importing the ReqIF format for requirement documents. Also arbitrary strings can now be used as requirement IDs and there is a HTML preview and PDF report available for requirement documents.

TESSY (General)

TES-99

Default directories for file selection dialogs may be customized for each project.

TESSY (General)
New Feature

TES-148

A new note view is available to add comments to all elements.

Test Data Editor (TDE)
Enhancement

TES-91

The TDE test data editor can optionally display the actual compared to the expected value in each cell after a test run. This provides an easy overview when searching for causes of failed test cases.

Test Data Editor (TDE)
Enhancement

TES-93

The TDE test data view provides a new button to filter columns for "failed test cases only" and "failed test steps only"

Test Data Editor (TDE)
New Feature

TES-124

New test step generation feature added: Based on given input value ranges of a generator test case, test steps for all input value permutations will be generated. The original input ranges will be saved and may be used later to generate the test steps again for updated values of the generator test case.