



Tessy 2.6

Release Notes



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These release notes for Tessy v2.6.30 contain a summary of the changes which were made since the major release of Tessy v2.5.

Addressed In: 2.6.30 (10 item(s))

CR Number: 3411

Component: dsPIC/PIC24

Fix: Support for `__asm__` keyword for dsPIC/PIC24.

CR Number: 3410

Component: Defines

Fix: Possible empty define list.

CR Number: 3409

Component: Parser

Fix: Allow optional empty structs. (e.g. `struct foo {};`)

CR Number: 3408

Component: Export

Fix: Wrong repeat count association.

CR Number: 3407

Component: Export

Fix: Export selected testcases correctly.



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CR Number: 3402

Component: Instrumenter

Fix: Static local enums variables are not instrumented which yields to wrong test results.

CR Number: 3401

Component: Instrumenter

Fix: Invalid generated code if the condition in a for statement contains no logical operators but is surrounded with parenthesis.

CR Number: 3392

Component: IDA

Fix: Wrong automatic assignment for struct components by name, if a member with the same name appears in inner structure.

CR Number: 3391

Component: Parser

Fix: support #pragma directives for Tasking C166, IAR 78000 and Cosmic HC11 compiler.

CR Number: 3387

Component: Driver

Fix: Wrong cast in slave for static pointer to array of arrays.



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Addressed In: 2.6.29 (3 item(s))

CR Number: 3380
Component: Target MPLAB / C30 (PIC24, dsPIC)
Fix: Support for MPLAB / C30 (PIC24, dsPIC)

CR Number: 3373
Component: Driver
Fix: Declaration of struct/union when User Includes are enabled

CR Number: 3363
Component: Import
Fix: Imported test data with plot mode TC were imported as plot mode TS erroneously.

Addressed In: 2.6.28 (1 item(s))

CR Number: 3361
Component: Target MPLAB / HI-TECH PIC 16
Fix: Support for HI-TECH C PRO for PIC16 version 9.65PL1.

Addressed In: 2.6.27 (2 item(s))

CR Number: 3358
Component: Parser
Fix: Allowed empty struct declarations.



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CR Number: 3295

Component: Driver

Fix: Fixed declaration of function return type.

Addressed In: 2.6.26 (6 item(s))

CR Number: 3343

Component: Driver

Fix: Possible wrong declaration when using original user includes.

CR Number: 3342

Component: Parser

Fix: Missing defines when a Module with no defines is reopened with new defines but without reuse

CR Number: 3340

Component: Tessy Command

Fix: Argument parsing fails if tessycmd.exe is executed without '.exe'.

CR Number: 3339

Component: Tessy Main

Fix: Delete temporary TessySupport directory, if it contains write protected files.



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CR Number: 3338

Component: Tessy Main

Fix: Setting Linker Options in Module Properties Dialog when changing Environemnt

CR Number: 3273

Component: Parser

Fix: The parser failed on cast expressions with pointer dereferences to absolute addresses within initializers [e.g. `int *p = {&*(S*) 0xAFFE}.u;`]

Addressed In: 2.6.25 (3 item(s))

CR Number: 3293

Component: Instrumenter

Fix: Fixed wrong instrumentation code if in an if statement without block braces and a single return statement is used inside a switch statement.

CR Number: 3047

Component: Parser

Fix: The parser failes if typedef names are used as identifiers.

CR Number: 1158

Component: Driver

Fix: Testing of functionpointers to static functions is possible now.



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Addressed In: 2.6.24 (11 item(s))

CR Number: 3277

Component: Parser

Fix: Resolving variables in recursively called functions correctly.

CR Number: 3276

Component: Driver

Fix: Possible stackoverflow when generating test driver on large interfaces.

CR Number: 3275

Component: Tessy

Fix: Support for S12X for ZAP added.

CR Number: 3274

Component: Tessy

Fix: Support for Metrowerks MPC55XX for winIDEA added.

CR Number: 3272

Component: Report

Fix: Missing pictures for plotmode after moving testcases in CTE.

CR Number: 3271

Component: Parser/Microchip PIC18

Fix: The parser failed if `_asm / _endasm` sections are used.



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CR Number: 3263

Component: TE

Fix: The TE Process crashes if a queued command terminates with an error.

CR Number: 3262

Component: Analog Devices Blackfin

Fix: Added support for ``_Pragma()`` for Analog Devices Blackfin.

CR Number: 3261

Component: Tasking Tricore / Tasking Tricore VX

Fix: Added support for arbitrary expressions within ``_at (...)`` for Tasking Tricore/Tasking Tricore VX

CR Number: 3260

Component: Parser/Freescale MPC55XX

Fix: Added support for ``__declspec (...)``, ``asm void foo ()``, and ``asm {nop; nop;...}`` for Freescale MPC55XX compiler.

CR Number: 3259

Component: Parser/IAR AVR

Fix: Added support for ``__notreturn`` keyword for IAR AVR compiler.



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Addressed In: 2.6.23 (4 item(s))

CR Number: 3189

Component: Freescale MPC / TRACE32

Fix: New support added for Freescale MPC compiler.

CR Number: 3188

Component: Tessy Main

Fix: Within the module properties, negative number values of attributes where displayed incorrectly.

CR Number: 3187

Component: TDE

Fix: Evaluation of unsigned 64 bit integers in difference eval mode (e.g. '+2')

CR Number: 3184

Component: Instrumenter

Fix: The instrumenter generates defective code if a structure with bitfields is declared inside a function body.

Addressed In: 2.6.22 (7 item(s))

CR Number: 3177

Component: Driver

Fix: Avoid crash when a pointer target is invalid after reuse.



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CR Number: 3174

Component: Driver

Fix: Possible error in driver, when a static local variable is used as pointer target.

CR Number: 3172

Component: Keil/C51 winIDEA

Fix: Missing define for TS_BUFFER_SIZE within makefiles added.

CR Number: 3169

Component: IDB

Fix: Depending on the order of occurrence within the source file(s), defines referencing other defines were not available within Tessy.

CR Number: 3167

Component: Instrumenter

Fix: The instrument enters an endless loop if the condition starts not on the same line as the for, while, or if keyword.

CR Number: 3166

Component: Import

Fix: Absolute addresses (e.g. 0x1234) assigned to pointers were erroneously converted to dynamic objects during import operation.

CR Number: 3164

Component: Import/Export

Fix: Import of arrays has been optimized.



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Addressed In: 2.6.21 (12 item(s))

CR Number: 3151

Component: NEC 78K

Fix: New support for the NEC 78K compiler and NEC SM/ICD debugger added.

CR Number: 3150

Component: Hightec/Tricore

Fix: Support `_bit` as type keyword.

CR Number: 3147

Component: UCE

Fix: Provided an opportunity (in `tessy.conf`) to specify additional options to the java process when starting the UCE.

CR Number: 3128

Component: Parser

Fix: Problem with duplicate variables when defined in more than one source.

CR Number: 3125

Component: Cosmic HC11

Fix: Support for Cosmic compiler for HC11 controller added.



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CR Number: 3124
Component: IAR ARM / winIDEA
Fix: Support for winIDEA debugger added.

CR Number: 3122
Component: Parser
Fix: Allow redefinition of global variables.

CR Number: 3119
Component: Tasking C166 VX
Fix: The `__asm (...);` statement is now supported for TASKING C166 VX.

CR Number: 3118
Component: IDB
Fix: The `#defines` parser crashes if the divisor in a division expression expands to zero.

CR Number: 3116
Component: TIE
Fix: Set passing direction of fill bits in bitfields to irrelevant, when creating variables for advanced stubs.

CR Number: 3115
Component: Parser/ARM RVDS
Fix: The `__restrict` keyword is now supported for ARM RVDS.



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CR Number: 3114

Component: Parser

Fix: The parser failed if an abstract function pointer with elipses parameter list is used as parameter in declarations. [e.g. extern int foo (void (*) (char *, ...));]

Addressed In: 2.6.20 (4 item(s))

CR Number: 3112

Component: Import

Fix: Import failed if local static variables are used as pointer targets.

CR Number: 3110

Component: Batch Test

Fix: Testcase and coverage statistics on module and project level have been added to the XML result file of the batch test.

CR Number: 3107

Component: Export

Fix: Problems with invalid filenames in Import/Export Dialog fixed.

CR Number: 3106

Component: TDE

Fix: Assigning pointers to dynamic objects created from advanced stub objects is possible now.



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Addressed In: 2.6.19 (8 item(s))

CR Number: 3084

Component: IDB

Fix: Pragma directives like "#pragma pack 5" (without paranthesis around the number) caused wrong declarations within the test driver code.

CR Number: 3083

Component: Instrumenter

Fix: The instrumenter could crash in case of single statements/declarations longer than 1024 bytes.

CR Number: 3078

Component: IDA

Fix: Hidden variables (used by stubbed local functions and therefore IRRELEVANT) re-appeared within TDE after a reuse operation.

CR Number: 3076

Component: IDB

Fix: The recognition of #define values usable as test data has been enhanced. Arithmetic operations and casts are now handled by the scanner for #defines.

CR Number: 3073

Component: IAR/dsPIC

Fix: New support added for IAR/dsPIC compiler.



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CR Number: 3071

Component: Driver

Fix: The declaration of stub function call count variables (for usage with TS_CALL_COUNT) were incompatible with the definition of those variables, if the default size (8) was changed to 16 or 32.

CR Number: 3068

Component: Driver

Fix: Type modifiers like 'far' for return types of function pointers are now generated correctly.

CR Number: 3067

Component: Driver

Fix: Function keywords like 'far' are now generated also for void stub functions.

Addressed In: 2.6.18 (12 item(s))

CR Number: 3064

Component: IAR/ARM

Fix: New support added for IAR ARM V5.x compiler and C-SPY debugger

CR Number: 3063

Component: Instrumenter/C++

Fix: Instrumentation fails if class and method names longer than the maximum testobject name size are used.



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CR Number: 3062

Component: Instrumenter/C++

Fix: Instrumentation fails if case labels qualified with namespace names are used.

CR Number: 3059

Component: Tessy Main

Fix: New feature: The -exec commandline option has been removed from tessy32.exe. Use tessycmd.exe to execute batch scripts from the commandline.

CR Number: 3056

Component: IDB/C++

Fix: Opening modules with class and method names longer than the maximum testobject name size fails.

CR Number: 3054

Component: Batch

Fix: New feature: Analysing the interface during batchtests is now optional.

CR Number: 3053

Component: CTE

Fix: Failed to read an exported CTA file if compositions are used as children of classifications or classes.



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CR Number: 3052

Component: IDB/C++

Fix: Added exclude list attribute to hide specific methods from testobject list.

CR Number: 3051

Component: Tessy Main

Fix: Wrong behaviour when opening a database with an attached non-existing configuration file.

CR Number: 3046

Component: RVDS ARM / μ Vision

Fix: New support added for ARM RVDS compiler and μ Vision debugger.

CR Number: 3029

Component: Driver

Fix: Generating correct names for function pointer arrays.

CR Number: 3028

Component: Driver

Fix: Code generation for local static bits.



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Addressed In: 2.6.17 (3 item(s))

CR Number: 3042

Component: TASKING C166VX / TRACE32

Fix: Added missing makefile template for TASKING C166VX / TRACE32.

CR Number: 3041

Component: IDB

Fix: In very rare situations the variable list for CTE and UCE may be empty or wrong.

CR Number: 3036

Component: EXP

Fix: Delete read-only files from Tessy Testarea.

Addressed In: 2.6.16 (4 item(s))

CR Number: 3039

Component: GNU ARM Compiler

Fix: Problem with incompatible Cygwin DLL versions fixed.

CR Number: 3037

Component: Coverage Viewer

Fix: In case of a source file without any included header files: When selecting flowchart symbols, the corresponding selection within the source file was displaced by one line.



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CR Number: 3035

Component: EXP

Fix: Delete read-only files from Tessy testarea directory before executing tests.

CR Number: 3034

Component: Instrumenter

Fix: In the MCC, MC/DC reports the 'Date of Instrumentation' was one month in the past.

Addressed In: 2.6.15 (4 item(s))

CR Number: 3033

Component: IDA

Fix: IDA may crash at reuse if unions containing anonymous structures are used.

CR Number: 3032

Component: Parser/ARM RVDS

Fix: Parsing the module fails if math.h is included.

CR Number: 3031

Component: ARM RVDS

Fix: Added float support for ARM RVDS compiler.



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CR Number: 3030

Component: Tessy

Fix: The "Create New Database" dialog don't closes when the OK button is pressed.

Addressed In: 2.6.14 (5 item(s))

CR Number: 3026

Component: IDB

Fix: If inline methods with the same name are used in more than one source opening the module failes.

CR Number: 3024

Component: TDE

Fix: Enhanced usability for entering define values.

CR Number: 3023

Component: IDB

Fix: Interface analysis ends up in an infinite loop if '\' line continuation within strings is used in sources of C++ modules.

CR Number: 3010

Component: Instrumenter

Fix: Instrumentation failed if very large statements (> 1024 bytes) are used.



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CR Number: 3009

Component: IDB

Fix: The interface parser failed if static local variables within inner scopes are used.

Addressed In: 2.6.11 (1 item(s))

CR Number: 2990

Component: Setup

Fix: Configuration files where not merged from previous installed Tessy versions.

Addressed In: 2.6.10 (2 item(s))

CR Number: 2985

Component: Renesas SH/TRACE32

Fix: New support added for Renesas SH compiler and TRACE32 debugger.

CR Number: 2984

Component: Setup

Fix: The Cygwin version 1.5.25 delivered with Tessy now supports Windows Vista.

Addressed In: 2.6.9 (10 item(s))

CR Number: 2973

Component: TEE

Fix: New feature: The new normal/expert mode optionally hides internal information from being displayed for normal users.



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CR Number: 2972

Component: Parser/IDB

Fix: New feature: The improved interface database allows resetting the passing direction of variables to the initial findings, recognizes variables used within initializer statements and masks out variables used in functions to be stubbed for the test.

CR Number: 2971

Component: CTE

Fix: The return value of a test object is now available as output variable within the variables view of the CTE.

CR Number: 2970

Component: TDE

Fix: New feature: Individual bits of a variable can be checked during the evaluation for a test case result.

CR Number: 2969

Component: TDE

Fix: New feature: Tessy allows using #defines of constant values as symbolic test data.

CR Number: 2968

Component: C++ Support

Fix: New feature: Tessy allows testing of C++ modules for certain target compilers supporting the C++ language.



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CR Number: 2967

Component: Report

Fix: New feature: The HTML reports provide graphical plots of result data.

CR Number: 2966

Component: TDE

Fix: New feature: The TDE provides automatic test data generation based on rules for combination of input/output variables.

CR Number: 2965

Component: Coverage Viewer (CV)

Fix: New feature: The Coverage Viewer (CV) graphically displays branch and condition coverage information.

CR Number: 2885

Component: Tessy

Fix: Changed format of -exec parameters for tetsy32: -exec [--log log-file] <script-file> [pdb-file]

Addressed In: 2.5.x (100 item(s))

CR Number: 3000

Component: Parser

Fix: The parser fails if function prototypes with register masks are used for Keil C166. [e.g. extern bit get_bit (void) @ 0x0070;]



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CR Number: 2999

Component: Parser

Fix: The parser fails if typequalifier are used with function pointers. [e.g. `typedef int (far * FP) ();`]

CR Number: 2998

Component: Parser

Fix: The parser fails on cast expressions without parenthesis. [e.g. `(int *) p += 1;`]

CR Number: 2997

Component: Parser

Fix: The parser fails if untyped parameters are used in function definitions. [e.g. `foo (a,b,c) {}`]

CR Number: 2986

Component: Driver

Fix: Declare `TS_TESTOBJECT_RETURN` as const if testobject return is const

CR Number: 2983

Component: Instrumenter

Fix: Support for `__data20` keyword for IAR MSP430 added

CR Number: 2982

Component: Parser

Fix: Support for asm functions for Greenhills V850 was added



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CR Number: 2981
Component: Parser
Fix: Analyzation of pragma pack()

CR Number: 2980
Component: Parser
Fix: Support for __bit datatype for Tasking Tricore VX added.

CR Number: 2891
Component: CCS3/TMS230C6x
Fix: New support for TI/Code Composer Studio 3 / TMS320c6x added.

CR Number: 2886
Component: HighTec/TriCore
Fix: Allow __volatile__ keyword for inline assembler: __asm__
__volatile__("<assembler statements>"); Also allow __asm__() on file
level as for assembler macro definitions.

CR Number: 2882
Component: IDA
Fix: Calltraces may get corrupted in very complex reuse situations.

CR Number: 2881
Component: Parser / Driver
Fix: keyword __data20 is supported for IAR MSP430



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CR Number: 2879

Component: Driver

Fix: C2 coverage for testobjects and called functions with names longer than 51 characters is now available.

CR Number: 2877

Component: Parser

Fix: #pragma keyword is now supported for IAR M16C V3.10

CR Number: 2875

Component: Tessy

Fix: Supportfile creation fails if a database specific configuration is used in conjunction with a projectroot and the configuration file is located below the project root.

CR Number: 2873

Component: Tessy

Fix: Display and edit problems with multiline attributes.

CR Number: 2863

Component: IDBMake

Fix: When using write protected source files with type other than '.c', reanalyzation of the interface fails.

CR Number: 2861

Component: TDE

Fix: Testdatabase can now store values for array indices larger than 32767.



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CR Number: 2856

Component: Driver

Fix: Error in driver for 16 bit targets and array with more than 32767 elements

CR Number: 2855

Component: Keil/μVision/C166

Fix: New Keil μVision UVSC interface support added for C166 (for μVision 3.51 and later)

CR Number: 2854

Component: Windriver Workbench 3.0

Fix: Windriver Workbench 3.0 support added.

CR Number: 2853

Component: TASKING Tricore VX 3.0

Fix: New version 3.0 of TASKING VX Tricore compiler is now supported for TRACE32.

CR Number: 2846

Component: Cosmic/C51

Fix: Treat 'sfr' variables as unsigned char.

CR Number: 2845

Component: Instrumenter/TI TMS320

Fix: Instrumentation fails for TI TMS320 if the interrupt keyword is used.



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CR Number: 2844

Component: Instrumenter/Cosmic/HC08

Fix: Generating the test driver fails for Cosmic HC08 if more than one sourcefile is given and 'Testobject only' instrumentation is used.

CR Number: 2843

Component: Parser/gcc

Fix: For the GCC compiler #pragma(push,x) and #pragma(pop) are now handled correctly.

CR Number: 2842

Component: TASKING/VX for C166

Fix: TASKING/VX for C166 compiler is now supported for HiTOP and UDE.

CR Number: 2841

Component: IDA

Fix: Failure copying testcase Specification/Description larger than 10kB on reuse.

CR Number: 2839

Component: IDA

Fix: The reuse operation failed if a dynamic object is assigned to more than one pointer object.



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CR Number: 2834

Component: Driver

Fix: Error generating driver, if an address is used as pointer target in a dynamic object for a static struct pointer.

CR Number: 2833

Component: Driver

Fix: Error generating driver for pointers to undeclared structs.

CR Number: 2810

Component: Monitoring

Fix: removed 2Mb Textlimit for C1 Resultwindow

CR Number: 2795

Component: Driver

Fix: Error in communication for Boolean variables.

CR Number: 2792

Component: IDA

Fix: assignment of anonymous structs.

CR Number: 2791

Component: Parser/Analog Devices Blackfin

Fix: added keyword `__inline` for Analog Devices Blackfin compiler



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CR Number: 2788

Component: TDE

Fix: possible loss of passdirection of return value or parameters when importing, if the testobject is also used as local advanced stub for another testobject.

CR Number: 2785

Component: Driver

Fix: structs/enums used as parameters in a functionpointer were not declared and caused compilation errors. Parameters of functionpointers used as parameter to stubfunctions or testobjects are now declared correctly'.

CR Number: 2782

Component: Tanto2 multiTEST / IDA

Fix: IDA crashed at reuse for testobjects with interface containing a return value only.

CR Number: 2781

Component: Tanto2 multiTEST / IDB

Fix: IDB crashed when the given Tanto2 configuration file does not exist.

CR Number: 2779

Component: Driver

Fix: Attribute 'C1 Counter Type' to select data type for C1 Counters



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CR Number: 2778

Component: TRACE32

Fix: The optional "Preload Wait Time" was reset to zero to avoid delays during test execution using the TRACE32 simulator. In case of problems with emulator hardware connected, add a "Preload Wait Time" attribute within TEE in order to wait some time between execution of the init script and loading of the binary file.

CR Number: 2728

Component: Driver

Fix: wrong declaration of temporary variable for parameter of type struct/union/enum pointer in advanced stub for local functions.

CR Number: 2724

Component: Parser

Fix: type long long is not recognized by Parser for Metrowerks HC12.

CR Number: 2722

Component: Parser

Fix: type long double is not recognized by Parser for IAR M16C

CR Number: 2718

Component: Parser/IAR V850

Fix: support #pragma pack for IAR V850



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CR Number: 2717

Component: Instrumenter

Fix: instrumentation fails with identifiers longer than 128 characters.

CR Number: 2716

Component: IDA

Fix: a stubbed function is still extern after reuse, when a new source containing the function is added to the module.

CR Number: 2715

Component: Parser

Fix: After a reuse operation variables used in usercode or CTE may be not recognized.

CR Number: 2714

Component: Driver

Fix: Wrong asambler options in Makefile Template for gnu arm compiler.

CR Number: 2710

Component: Instrumenter

Fix: The instrumter failes on typedef with an empty typelist.

CR Number: 2709

Component: Stubfunctions

Fix: Using TS_CURRENT_TESTCASE/TESTSTEP failed within static local stubfunctions for some compiler/target environments.



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CR Number: 2708

Component: Report/Word 2000

Fix: The report generation failed using Word2000 if prolog/epilog usercode sections were used.

CR Number: 2706

Component: MPLAB ICE

Fix: Added support for ICD2, REAL ICE and Simulator for PIC18 and dsPIC.

CR Number: 2701

Component: Instrumenter

Fix: The Instrumenter fails if parentheses are used with @ expressions.

CR Number: 2700

Component: TEE

Fix: A new configuration file is not written on exit or save.

CR Number: 2693

Component: Parser

Fix: Variables and/or functions used within initializers at global scope are missing in the testobject interface.

CR Number: 2684

Component: Tessy

Fix: Anonymous structs and unions are now supported.



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CR Number: 2683

Component: EXP

Fix: The batchtest may terminate with out of memory if there are many testobjects with very large interfaces.

CR Number: 2682

Component: Instrumenter

Fix: Test driver generation may fail if multiple sources are used and testobject only instrumentation is selected.

CR Number: 2681

Component: Instrumenter

Fix: The Instrumenter generates invalid code for IAR MSP430 compiler if system headers containing '#pragma language=save' are used.

CR Number: 2678

Component: Instrumenter

Fix: Very long test evaluation runtime for MC/DC if the number of atoms exceed more than 8.

CR Number: 2676

Component: TEE

Fix: Problem if configuration files are write protected.

CR Number: 2675

Component: Tessy

Fix: Problem when switching between default and specific configuration.



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CR Number: 2674

Component: Driver

Fix: Building the testdriver fails if static parameters are used with Microchip PIC18.

CR Number: 2673

Component: IDA

Fix: Stubcode may get lost during reuse operations.

CR Number: 2668

Component: CTE

Fix: Arrays of structures are wrongly available within the variable list of CTE.

CR Number: 2663

Component: Instrumenter

Fix: C2 instrumentation fails when mixing logical with relational expressions. [e.g. `if ((a || b) == 1)`]

CR Number: 2633

Component: Tessy

Fix: If ASAP is changed from use to don't use, test execution and display functions ignore this.



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CR Number: 2632

Component: Parser/Instrumenter

Fix: Interface analysis and instrumentation fails for IAR M16C if 'interrupt [n]' is used.

CR Number: 2630

Component: Database

Fix: Loss of calltraces when CTE testcases are moved in CTE and reimported to Tessy.

CR Number: 2629

Component: Tessy

Fix: If the default environment no longer exists, it is regardless used when creating a new module.

CR Number: 2564

Component: Parser/ARM RVDS

Fix: Error using keyword `__irq` with ARM RVDS

CR Number: 2563

Component: Parser/Greenhills V850

Fix: Error using `_Bool` with Greenhills V850

CR Number: 2557

Component: Tessy

Fix: Support of 3 byte data type 'short long' for Microchip Pic 18 Compiler was added.



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CR Number: 2556

Component: Usercode

Fix: When copying a testcase with usercode containing interface variables, the variables in the new testcase are destroyed.

CR Number: 2522

Component: UCE

Fix: The list of stub functions within the UCE will be sorted alphabetically.

CR Number: 2521

Component: Import/Export

Fix: New feature: The file name used for import/export will be stored for each test object. For the next import/export, the respective file name will be available by default.

CR Number: 2520

Component: Parser/Windriver PPC5xx

Fix: The interface analyzer failed for Diab PPC555 if `__asm` statements are used.

CR Number: 2502

Component: Instrumenter

Fix: C1-Instrumentation failed if an `@` declaration is followed by an initialisation. (e.g. `char array[] @ 0xAFFE = {1, 2, 3};`)



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CR Number: 2500

Component: Tanto2 multiTEST

Fix: New feature: The new Tanto2 multiTEST hardware from Hitex Development Tools, Karlsruhe allows to stimulate and measure the MCU input and output signals during execution of the unit test.

CR Number: 2499

Component: Coverage

Fix: New feature: The coverage measurement has been enhanced to support Modified Condition / Decision Coverage (MC/DC) and Multiple Condition Coverage (MCC).

CR Number: 2498

Component: Report

Fix: New feature: The WORD report scripts have been changed to use RTF for the test data part of the document. This speeds up creation of the reports significantly.

CR Number: 2497

Component: Configuration

Fix: New feature: The environment editor TEE allows to create individual configuration files that may be assigned to a project database (PDB).

CR Number: 2496

Component: Instrumenter

Fix: C1-Instrumentation failed if 'struct/union {...} @ near' is used.



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CR Number: 2481

Component: Batch Report

Fix: Using the batch test for report generation only, caused the testobjects to be listed with not executed state (yellow).

CR Number: 2478

Component: Parser/ARM RVDS

Fix: The interface analyzer failed for PPC compilers if asm function prototypes are used.

CR Number: 2475

Component: Driver

Fix: Delete linker file from module directory before generating driver for Greenhills/V850 to force usage of actual linker file.

CR Number: 2474

Component: Parser/Fujitsu FFMC16/FFMC32

Fix: Added own section in typetable for compiler Fujitsu FFMC32.

CR Number: 2473

Component: Driver

Fix: A faulty testdriver is generated for static bit Variables that are IN when some bits are set to ignore.

CR Number: 2471

Component: Parser

Fix: The interface analyzer failed for asm blocks if a curly brace follows an asm keyword without whitespace.



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CR Number: 2470

Component: Instrumenter

Fix: The C1-Instrumenter failed for Tasking Tricore if trap(x) is used.

CR Number: 2469

Component: Tessy

Fix: Testobject comments were lost when opening modules or executing tests.

CR Number: 2468

Component: TDE

Fix: Handling corrected for values of type 'float' that are out of range.

CR Number: 2461

Component: IDA

Fix: Assigning a function to another one that is not more available within the new interface could cause duplicated testobject entries within the PDB.

CR Number: 2460

Component: Parser/Keil C51

Fix: Error in typetable for bitfields for Keil/C51 compiler.



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CR Number: 2452

Component: TDE

Fix: Deleting single teststeps of one testcase (in case of more than one teststep) could cause dynamic objects to be corrupted.

CR Number: 2422

Component: Driver

Fix: Generating an invalid DEFINE() statement in the testobject makefile for Keil C51.

CR Number: 2421

Component: Driver

Fix: A faulty testdriver is generated for arrays with unions if more than one union component has pass direction OUT.

CR Number: 1978

Component: IDB

Fix: New feature: Advanced stubs may be specified for local functions too. Also, the stub settings (normal/advanced stubs) will be stored for each test object independently.

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