

TTCN-3 CONFORMANCE TEST SUITE STF 433 STATUS REPORT

Andras Kovacs / BroadBit

Nikolay Pakulin / ISPRAS

Bogdan Stanca-Kaposta / TestingTech

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Session plan

- November:
 - 32 days of work
 - 1 week session at ETSI in Sophia-Antipolis
- December:
 - 17 days of work
- January:
 - 21 days of work
 - 1 week session at TestingTech in Berlin
- The scheduled STF433 sessions are over now!

Current status (1/3)

- Drafts are available:
 - ICS document
 - TSS&TP document
 - ATS&IXIT document
 - ATS attachment
- Attached as contributions to this MTS meeting.
- Drafts are not yet final...
 - all the planned test cases have been already written, but some bug-fixes will be still done on a voluntary basis

Current status (2/3)

- Time spent on the following:
 - New test case development (extending ATS from STF409)
 - Validation and documentation
 - Validation with two independent TTCN-3 tools (TTWorkbench + Testcast).
 - Development of tooling for automated test execution for TestCast and TTworkbench.
 - Can be adapted by tool providers also for test automation!
 - Going through noticed issues and fixing them.
 - Core standard related issues communicated by Change Requests through the ETSI Mantis tool
 - Compiler related issues discussed individually with the supporting vendors
 - Creation of documents.

Current status (3/3)

- ATS validated with 2 tools:
 - **TTworkbench: compile-time and execution.**
 - **TestCast: compile-time and execution.**
- Total number of conformance tests is **1039**:
 - Majority of the core standard sections have been now covered
 - All changes between the 2010 and 2011 editions of the TTCN-3 standard have been covered; tool vendors may validate their implementation of the latest features.
- Statistics:
 - Number of positive syntax tests: 138
 - Number of negative syntax tests: 80
 - Number of positive semantic tests: 494
 - Number of negative semantic tests: 327

Work still ongoing

- Wrap-up work to be done:
 - Document fine-tuning
 - About ~30 test cases left to validated (to be finished this week).
 - Quite a lot of time used outside of our contract to check the interpretation of some clauses and ensure the best possible result!
- Some Mantis issues reported for the conformance test suite are still in new status.
 - 7 raised CRs still have 'new' status

Issues reported as CRs (1/3)

- A number of issues have been reported by raising CRs as a result of test case development and email discussions.
- Test cases with pending clarifications have been excluded from the delivered ATS (moved to a special on-hold directory).
- Total of 12 CRs written.
 - CR numbers: 5954, 5955, 5956, 5958, 5959, 5961, 5963, 5977, 5987, 5988, 5995, 6009

Conclusion

- Wrap up work will be finished by end of January.
 - Draft deliverable is available for commenting already now
 - Final results will be published after end of January
- Special thanks to Elvior and TestingTech for the active tool support, which made the continuous validation of results possible.