TTCN-3 CONFORMANCE TEST SUITE STF 409 STATUS REPORT

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Agenda

- Session plan

- Current status

- Work still ongoing

- Issues reported to STF393

- Conclusion

Session plan

- October:
  - 2 weeks at ETSI in Sophia-Antipolis
- November:
  - 2 weeks coordinated session
- December:
  - 2 more days for Bogdan

- The scheduled STF409 sessions are over now!

Current status (1/4)

- Drafts are available:
  - ICS document
  - TSS&TP document
  - ATS&IXIT document
  - ATS attachment

- Attached as contributions to the MTS meeting.

- Drafts are not yet final…

Current status (2/4)

- Time spent:
  - 2 weeks for each test case development
  - 2 weeks and lots of additional voluntary time (outside the contract) for
    - Validation with tools (TTWorkbench + Testcast).
    - Development of tooling for documentation and test execution for test cast and ttworkbench.
      - Can be adapted by tool providers also for test automation!
    - Going through issues and fixing them.
    - Creation of documents.

Current status (3/4)

- ATS validated with 4 tools:
  - **TTworkbench: compile-time and execution.**
  - **TestCast: compile-time and execution.**
  - IBM: some initial compile-time validation.
  - MTP: as reports are sent in.

- ATS Metrics:
  - Total number of conformance tests: **733**
  - Number of positive syntactic conformance tests: **110**
  - Number of negative syntactic conformance tests: **34**
  - Number of positive semantic conformance tests: **335**
  - Number of negative semantic conformance tests: **254**
  - Total number of clauses (incl. subsection and subsubsections) in the TTCN-3 standard: **342**
  - Total number of clauses (at least partially) covered: **110**

Current status (4/4)

- Document metrics:
  - TSS&TP document: **~143** pages.

Work still ongoing

- Wrap-up work to be done:
  - Document fine-tuning
  - About ~50 test cases left to validated
    (to be finished this week).
  - Quite a lot of time used outside of our contract to ensure the best possible result! Too little time!

- All Mantis issues reported for the conformance test suite are closed/fixed.
  - 1 open issue with STF393 clarification pending.

Issues reported to STF393 (1/3)

- A number of issues have been reported to STF393 as a result of test case development and mailing list discussions.

- Test cases with pending clarifications have been excluded from the delivered ATS (moved to a special on-hold directory).

- Total of 9 CRs written.

Issues reported to STF393 (2/3)

- CR5785: STF409 question on [Part 1: TTCN-3 Core Language / Section 6.3.2]
  http://t-ort.etsi.org/view.php?id=5785
  (current status: feedback)

- CR5791: STF409 question on [Part 1: TTCN-3 Core Language / Section B.1.2.3]
  http://t-ort.etsi.org/view.php?id=5791
  (current status: resolved)

- CR5789: STF409 question on [Part 1: TTCN-3 Core Language / Section 8.2.3.6]
  http://t-ort.etsi.org/view.php?id=5789
  (current status: resolved)

- CR5803: STF409 comment on [Part 1: TTCN-3 Core Language / Section 19.11]: ad-hoc restrictions
  http://t-ort.etsi.org/view.php?id=5803
  (current status: resolved)

Issues reported to STF393 (3/3)

- CR5795: STF409 question on [Part 1: TTCN-3 Core Language / Section 16.1.4]
  http://t-ort.etsi.org/view.php?id=5795
  (current status: resolved)

- CR5786: STF409 question on [Part 1: TTCN-3 Core Language / Section 6.3.4]
  http://t-ort.etsi.org/view.php?id=5786
  (current status: resolved)

- CR5513: resolution of CR5092 contains bogus examples for charstring
  http://t-ort.etsi.org/view.php?id=5513
  (current status: fixed)

- CR5809: CL chapter 15.11 Concatenating templates of string and list types is not supported by BNF
  http://t-ort.etsi.org/view.php?id=5809
  (current status: new)

- CR5845: BNF does not allow identificator after keyword pattern
  http://t-ort.etsi.org/view.php?id=5845
  (current status: new)

Conclusion

- Wrap up work will be finished before Xmas, probably final draft this week or next week.

- Special thanks (no order): Andrus(Elvior), David(MTP), Nikolay(ISPRAS), Stephan(Conformiq), Sebastian(ETSI)