



STF 476: TD-LTE Phase 2

Status Report

Document History

- 2015-01-29: Document submitted for MTS #64
 - long form for TDL Technical Session
 - short form for MTS #64
- 2014-09-25: Document submitted for MTS #63
 - long form for SG #5 / Technical Session
 - short form for MTS #63
- 2014-05-10: Document submitted for MTS #62
 - long form for SG #3 / Technical Session
 - short form for MTS #62
- 2014-03-19: Document submitted for SG #2

From the Terms of Reference...

TDL Phase 2: Goal and Objectives

- Goal
 - Supporting ETSI and industrial users in using TDL
- Objectives
 - Extended TDL meta-model for supporting test automation
 - Standardised concrete syntaxes
 - Graphical syntax for end-users
 - Textual exchange syntax for tool interoperability
 - Analysis on the needs for a concrete syntax to support ETSI use cases

TDL Phase 2: Deliverables

Del.	Work Item Code / Standard Number	Working Title / Scope
D1	RES/ES 203 119-1 V1.2.1	Test Description Language; Meta-Model and Semantics Scope: common concepts, meta-model, semantics
D2	DES/ ES 203 119-2 V1.1.1	Test Description Language; Graphical Syntax Scope: TDL graphical concrete syntax for end users
D3	DES/ ES 203 119-3 V1.1.1	Test Description Language; Exchange Format Scope: TDL exchange format for tool interoperability

Optionally: ES Part 4 on TDL textual concrete syntax (no WI created yet)

TDL Phase 2: Organisation of Work

- Start: 02/2014
 - Task 0: Project management
 - Task 1: Extension of TDL meta-model (02-12/2014)
 - Task 2: Graphical concrete syntax (02-12/2014)
 - Task 3: Exchange syntax (06-12/2014)
 - Task 4a: Analysis on ETSI concrete syntax (02-05/2014)
- Potential STF extension: 06/2014 (decision at MTS#62)
 - Task 4b: ETSI concrete syntax (06-12/2014)
- End: 12/2014
 - WI: updated meta-model description + semantics
 - WI: concrete syntax + meta-model mapping
 - WI: exchange syntax + meta-model mapping

TDL Phase 2: Milestones

- M0: 02/2014
 - Start of work of Tasks 0, 1, 2, 4
- M1: 05/2014 <- Discussion at MTS#62 (05/2014)
 - (T1) Early draft: updated meta-model, (T2) Early draft: graphical syntax,
 - (T4) Decision paper on textual syntax
 - (T3) Start of Task 3
- M2: 09/2014 <- Discussion at MTS#63 (10/2014)
 - (T1) Stable draft: updated meta-model, (T2) Stable draft: graphical syntax, (T3) Early draft: exchange syntax
- M3: 12/2014 <- Approval at MTS#64 (02/2015)
 - (T1) Final draft: updated meta-model, (T2) Final draft: graphical syntax, (T3) Final draft: exchange syntax

Status Report

Task 0: Session Overview

- WK09 Feb 24-28 - Session 1 @ETSI
- WK15 Apr 07-11 - Session 2 @ETSI
- WK23 Jun 02-06 - Session 3 @FOKUS
- WK36 Sep 01-05 - Session 4 @ETSI
- WK42 Oct 13-17 - Session 5 @Siemens
- WK49 Dec 01-05 - Session 6 @ETSI

Task 1: Extended TDL Meta-Model

- Targeted for M1
 - specification of sub-test configurations
 - types and data refinement (initial proposal)
- Open for M2 and M3
 - types and data (finalised)
 - time
 - behaviour
 - editorial clarifications and refinements

Task 2: Graphical Concrete Syntax

- Different specification approaches studied
- OMG Diagram Definition (DD) selected “in principle”
- Means for user-accessible specification under study
- Decision on description and mapping structure pending

Task 4: TDL Textual Syntax Analysis

- Understanding ETSI’s requirements for a textual syntax
 - review and discussion of notes and input collected during STF 454
 - discussion of CTI proposal based on ITS and GeoNetworking examples
 - initial focus on provided examples, (TPLan-like) format pushed within ETSI

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Task 0: Session Planning

- 6 sessions in total
- 2 sessions per milestone
 - 1 preparatory / debriefing
 - 1 finalising
- Homework and remote coordinated work in between

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Task 0: Milestone 1 Timeline

- WK09 Feb 24-28 - Session 1 @ETSI
 - 4 experts, 16 days, define roadmaps, prepare early drafts
- WK15 Apr 07-11 - Session 2 @ETSI
 - 4 experts, 16 days, finalise early drafts, analysis report, ToR if applicable
 - deadline for requests to move sessions, contracts extension
- WK18 Apr 28-May 01 - Deliverables **submitted**
- WK20 May 14-15 - MTS #62 @Siemens

Task 0: Milestone 2 Timeline

- WK23 Jun 02-06 - Session 3 @FOKUS
 - 5 experts, **25 days**, review feedback, define roadmaps, prep. stable drafts
- WK36 Sep 01-05 - Session 4 @ETSI
 - 5 experts, **25 days**, finalise stable drafts
 - feature freeze, new features added only if absolutely critical
- WK37 Sep 08-12 - Deliverables **submitted**
- WK39 Oct 01-02 - MTS #63 @TestingTech

Task 0: Milestone 3 Timeline

- WK42 Oct 13-17 - Session 5 @Siemens
 - 5 experts, **25 days**, define roadmaps, prepare final drafts
- WK49 Dec 01-05 - Session 6 @ETSI
 - 5 experts, **25 days**, finalise final drafts
- WK50 Dec 15-19 - Deliverables **submitted***
- WK05 Jan 28-29 2015 - MTS #64 @Ericsson

* Revised versions of submitted, raised CR addressed

Task 0: Milestone Resources

- ~15 days/expert per milestone
 - assuming roughly equal resource allocation per expert
 - 2x4 days sessions, ~7 days homework
- Milestone 1: ~60 days planned, 44.5 used (4 experts)
- Milestone 2: ~75 days planned, 73/77.5 used* (5 experts)
- Milestone 3: ~75 days planned, 90.5/106 used** (5 experts)

* 4.5 from extension for Part 4

** 15.5 from extension for Part 4, estimated, TAM currently unreliable

Session 5 Summary

- Goals
 - Part 1: address outstanding items (time, data), technical review, validation
 - Part 2: align with Part 1, outstanding constructs, update example, notation
 - Part 3: address outstanding items (multiple inheritance, etc.)
 - Part 4: extend integration (time, data), prepare evaluation
 - Plan milestone timeline

Session 6 Summary

- Goals
 - Review all documents thoroughly
 - Discuss and address any outstanding minor issues
 - Identify and delegate any open issues for Phase 3
 - Update, align, and extend examples for all parts where applicable
 - Discuss feedback from Part 4 evaluation, assist with setup if needed
 - Catch up with Mantis

No Issues!

The screenshot shows the ETSI's Bug Tracker interface in a Safari browser window. The page title is "ETSI's Bug Tracker" and the URL is "forge.etsi.org". The user is logged in as "makedonski (Philip Makedonski - manager)" on "29-01-2015 08:09 GMT". The project is set to "TDL". The interface includes a navigation menu, a search bar, and a list of 11 issues. The issues are displayed in a table with columns for ID, Project, Severity, Status, Updated, and Summary. The status of all issues is "resolved".

Viewing Issues (1 - 11 / 11) [Print Reports] [CSV Export] [Excel Export]

	P	ID	#	Project	Severity	Status	Updated	Summary
<input type="checkbox"/>		0006833	1	TDL	major	resolved (Andreas Ulrich)	04-12-2014	Ambiguous meaning of optional behaviour
<input type="checkbox"/>		0006769	1	TDL	feature	resolved (Andreas Ulrich)	04-12-2014	Move parameters from DataInstance to DataSet
<input type="checkbox"/>		0006770		TDL	feature	resolved (Andreas Ulrich)	04-12-2014	Named parameters
<input type="checkbox"/>		0006771		TDL	feature	resolved (Andreas Ulrich)	04-12-2014	Component variables
<input type="checkbox"/>		0006772		TDL	feature	resolved (Andreas Ulrich)	04-12-2014	Variable assignment from Interaction and ActionReference
<input type="checkbox"/>		0006764	2	TDL meta-model	minor	resolved (Andreas Ulrich)	04-12-2014	Description of VerdictType shall be modified
<input type="checkbox"/>		0006765	1	TDL meta-model	major	resolved (Andreas Ulrich)	04-12-2014	Time Observation
<input type="checkbox"/>		0006773		TDL	feature	resolved (Andreas Ulrich)	04-12-2014	Accessing DataProxy arguments
<input type="checkbox"/>		0006768		TDL meta-model	major	resolved (Andreas Ulrich)	04-12-2014	New MM element as the starting point of the Behaviour Description of a Test Description
<input type="checkbox"/>		0006763		TDL meta-model	minor	resolved (Andreas Ulrich)	31-07-2014	Blocks of ParallelBehaviour should be able to declare Guards
<input type="checkbox"/>		0006767	1	TDL	minor	resolved (Andreas Ulrich)	11-07-2014	Allow to reference test descriptions that run on a different test (sub-) configuration

Select All Move

new feedback acknowledged confirmed assigned resolved closed

MantisBT 1.2.14 [^]
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Follow-up Discussions

- Summary
 - technical concerns regarding the deliverables raised in late December
 - technical solution reached during the technical session on 28.01.2015
 - needed minor changes implemented on 28.01.2015
- Final report
 - missing financial information due to TAM migration delayed the report
 - near-final version uploaded, awaiting final corrections from STFLINK

STF 476 by the numbers

- 253 days of work (182 + 71)
- 4 parts
 - Part 1 MM: 78 pages, ~20800 words (BNF included, based on v1.1.1)
 - Part 2 GR: 55 pages, ~5200 words (lots of pictures)
 - Part 3 XF: 64 pages, ~16500 words (XML Schema included)
 - Part 4 TO: 40 pages, ~7600 words (BNF included)
- Total: 237 pages, ~50000 words

The Future of TDL

- ToR for **Phase 3 approved!**
 - Preparatory meeting: TBD, CfE open
- Launch event
 - Target: UCAAT 2015 @ETSI
 - Preparation under way
- TDL logo
 - Several proposals circulated, tentative selection:



Any other business?
