



STF 577: TD-LTE Phase 5

Status Report

Document History

- 2020-01-24: Document submitted for MTS-TDL#3
- 2020-01-24: Document submitted for MTS#79

From the Terms of Reference...

TDL Phase 5: Objectives

- Adaptation and extension of TDL addressing CRs
 - new features (inheritance, dependencies, test data)
 - updates to relevant parts, mapping new features to TTCN-3
- Update of TOP tools
 - resolve CRs, catch up with Eclipse updates, adaptations to TDL
- Update of technical report
 - validation, user guidelines

TDL Phase 5: Deliverables

Deliv.	Work Item code Standard number	Working title Scope
D1*	RES/ES 203 119-1 V1.5.1	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 1: Abstract Syntax and Associated Semantics
D2*	RES/ES 203 119-2 V1.4.1	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 2: Graphical Syntax
D3*	RES/ES 203 119-3 V1.4.1	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 3: Exchange Format
D4*	RES/ES 203 119-4 V1.4.1	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 4: Structured Test Objective Specification (Extension)
D5*	RES/ES 203 119-6 V1.2.1	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 6: Mapping to TTCN-3
D6*	RES/ES 203 119-7 V1.2.1	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 7: Extended Test Configurations
D7	RTS/TR 103 119 V1.2.1	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Reference Implementation and User Guidelines

* Work items of the TDL standard series which are not affected by CRs will not be updated.

Today

- Work plan
- TDL evolution
- TOP maintenance
- Promotion and communication
- Future of TDL

Status Update

Work Plan

- Timescale: Oct, 2019 (+0.5 months) - Oct, 2020 (+4 months)
 - delays with start due to administrative overhead
 - closing date adjusted for UCAAT 2020, other milestones not affected
 - work remotely, meet in person only if necessary
 - coordinated remote sessions scheduled as needed, based on availability
- Working sessions
 - WK5: Jan 30-31 Session 1 @ ETSI (2 days)

Milestones (Current Planning)

N	Task / Milestone / Deliverable	ToR Targets	Current Targets
M0	Start of work	16-Sep-2019	Oct-2019
T0	Project Management	16-Sep-2019–30-Jun-2020	Oct-2019–Oct-2020
T1	Evolution of TDL	16-Sep-2019–31-May-2020	Oct-2019–May-2020
T2	TOP Maintenance and Enhancements	16-Sep-2019–31-May-2020	Oct-2019–May-2020
T3	Validation and User Guidelines	01-Dec-2019–31-May-2020	Dec-2019–May-2020
M1	Stable drafts (MTS#79)	15-Jan-2020	Jan-2020
M2	Final drafts (MTS#80)	15-May-2020	May-2020
M3	Deliverables approved & published, STF closed	30-Jun-2020	Jun-2020
M4*	Dissemination during UCATT 2020, STF closed		Oct-2020

* Milestones were refined during the preparatory meeting, M4 was added to extend the STF period

Overall Timeline (Current)

Task Milest.	Description	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
T0	Project Management																
T1	Evolution of TDL																
T2	TOP Maintenance																
T3	Validation and Guidelines																
M0	Start of work																
M1	Stable drafts (MTS#79)																
M2	Final drafts (MTS#80)																
M3	Publication																
M4	Dissemination, closing																

TDL Evolution

Evolution of TDL

- Initial working proposals discussed for
 - inheritance support
 - separation of globally ordered and locally ordered test descriptions
 - test data specification
 - dependency specification
 - other open CRs
- New CRs submitted based on user feedback and other sources
- Drafts expected: January 31

TOP Maintenance

TOP Status

- Maintenance
 - support latest Eclipse version (2019-12), Sirius, Xtext, etc.
 - organise issues in BugZilla by component
 - prepare migration to GitLab
 - propose initial solutions for high priority CRs
- Standard data type library postponed
 - updates to the meta-model need to be stable (inheritance, etc.)

Promotion

UCAAT 2019

- Slideshow at MTS booth
- Lively discussions and plenty of interest during breaks
- Notable mentions during presentations and discussions

STF Webpage

The screenshot shows a web browser window with the URL `portal.etsi.org` and the page title `STF577`. The ETSI logo and tagline "The Standards People" are visible in the top left. A user login area in the top right shows the user is logged in as Philip Makedonski, with a "Logout" button and a "Change Password" link. A navigation bar contains links for Home, Resources, People, Services, IPR, Manage, Search, Events, WEBstore, and Help.

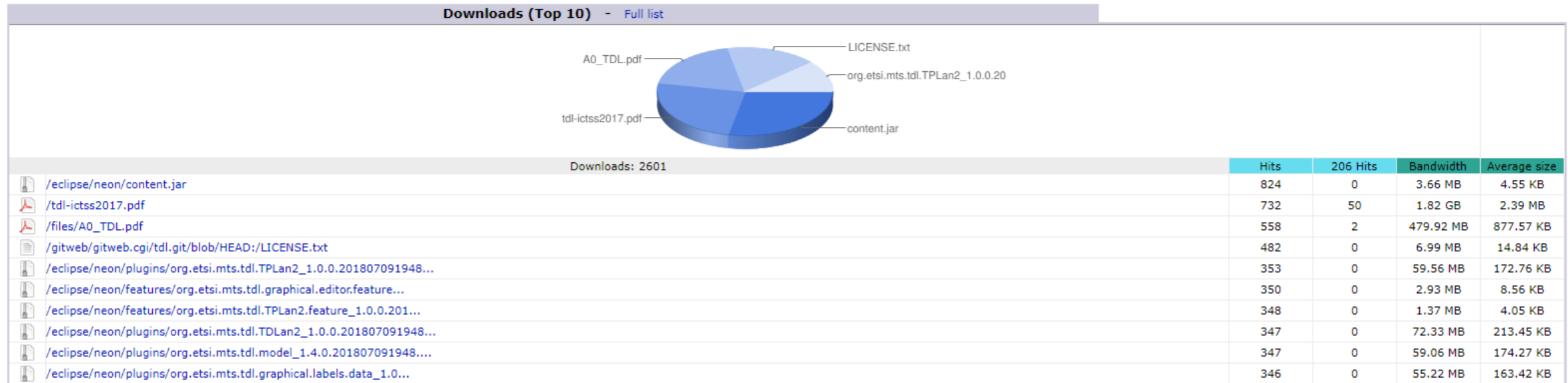
The main content area is titled "STF577" and includes a breadcrumb trail: `STF > STFs > STF HomePages > STF577`. Below this is a "Page navigation" section with a list of links: "Who we are", "What we do", "Why we do it", "How we do it", "Deliverables", "Time plan", and "How to contact us".

The "Specialist Task Force 577: TDL and TOP Enhancements and Maintenance" section is followed by a "Who we are:" heading. Below this, there are two sections: "Team leader:" and "Team Members:". The "Team leader:" section lists Philip Makedonski, University of Göttingen, with the email `makedonski@informatik.uni-goettingen.de`. The "Team Members:" section lists Martti Käärik, OU Elvior, with the email `martti.kaarik@elvior.com`, and Finn Kristoffersen, Cinderella ApS, with the email `finn@cinderella.dk`.

The "What we do" section provides a detailed description of the task force's work, mentioning the foundation for the Test Description Language (TDL) and the TOP tools, and the standardised mapping of TDL to TTCN-3. It also mentions that STF577 concentrates on resolving change requests to the TDL standard series and the TOP tools, ensuring consistency with the specifications. A link to "Terms of Reference" is provided for more details.

The "Why we do it" section is partially visible at the bottom of the page.

Website Statistics: January 2020



Search Keyphrases (Top 10)
[Full list](#)

108 different keyphrases

Search	Percent
tdl	18.2 %
open tdl file	7 %
http //tdl.be	5.8 %
test description language	2.3 %
tdl open source project	2.3 %
etsi org	2.3 %
amazon	1.7 %
semalt.com	1.1 %
declaredvm6	0.5 %
throatcv5	0.5 %
Other phrases	57.6 %

Search Keywords (Top 10)
[Full list](#)

115 different keywords

Search	Percent
tdl	21.6 %
open	6.7 %
file	5 %
//tdl.be	4.2 %
http	4.2 %
description	2.1 %
language	2.1 %
test	2.1 %
etsi	1.6 %
org	1.6 %
Other words	48.3 %

Countries (Top 10) - [Full list](#)

Countries	Pages	Hits	Bandwidth
Finland	4,574,803	4,952,899	139.06 GB
Russian Federation	387,831	389,592	1.29 GB
United States	52,170	64,240	1.47 GB
Germany	7,173	12,754	413.32 MB
France	5,450	7,497	478.78 MB
China	2,841	13,321	154.52 MB
Great Britain	2,801	3,684	76.18 MB
Unknown	2,446	3,927	91.86 MB
Poland	1,562	1,641	17.41 MB
South Korea	1,497	1,824	111.60 MB
Others	9859	18576	478.45 MB

Website Statistics: January 2020

Last Update: 27 Jan 2020 - 12:50
 Reported period:

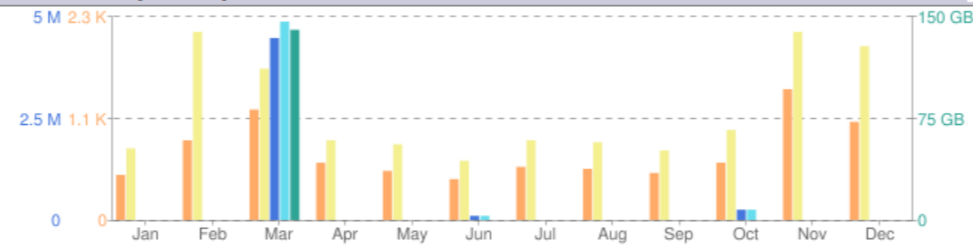


Summary

Reported period	Year 2019				
First visit	01 Apr 2019 - 00:04				
Last visit	31 Dec 2019 - 23:59				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	<= 9,771 Exact value not available in 'Year' view	15,423 (1.57 visits/visitor)	5,048,433 (327.33 Pages/Visit)	5,469,955 (354.66 Hits/Visit)	143.59 GB (9762.69 KB/Visit)
Not viewed traffic *			4,346,329	5,035,664	48.36 GB

* Not viewed traffic includes traffic generated by robots, worms, or replies with special HTTP status codes.

Monthly history



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2019	537	840	3,636	7,879	756.41 MB
Feb 2019	958	2,229	6,804	9,895	597.23 MB
Mar 2019	1,311	1,784	4,579,298	4,959,720	139.22 GB
Apr 2019	686	943	2,288	5,096	151.07 MB
May 2019	587	902	8,881	12,810	242.99 MB
Jun 2019	502	702	117,515	121,758	620.80 MB
Jul 2019	630	956	14,997	19,013	238.64 MB
Aug 2019	611	919	2,248	5,598	211.74 MB
Sep 2019	560	819	2,682	5,700	141.04 MB
Oct 2019	681	1,057	275,529	280,544	1.08 GB
Nov 2019	1,539	2,230	26,465	30,374	249.43 MB
Dec 2019	1,169	2,042	8,090	11,568	163.87 MB
Total	9,771	15,423	5,048,433	5,469,955	143.59 GB

Future

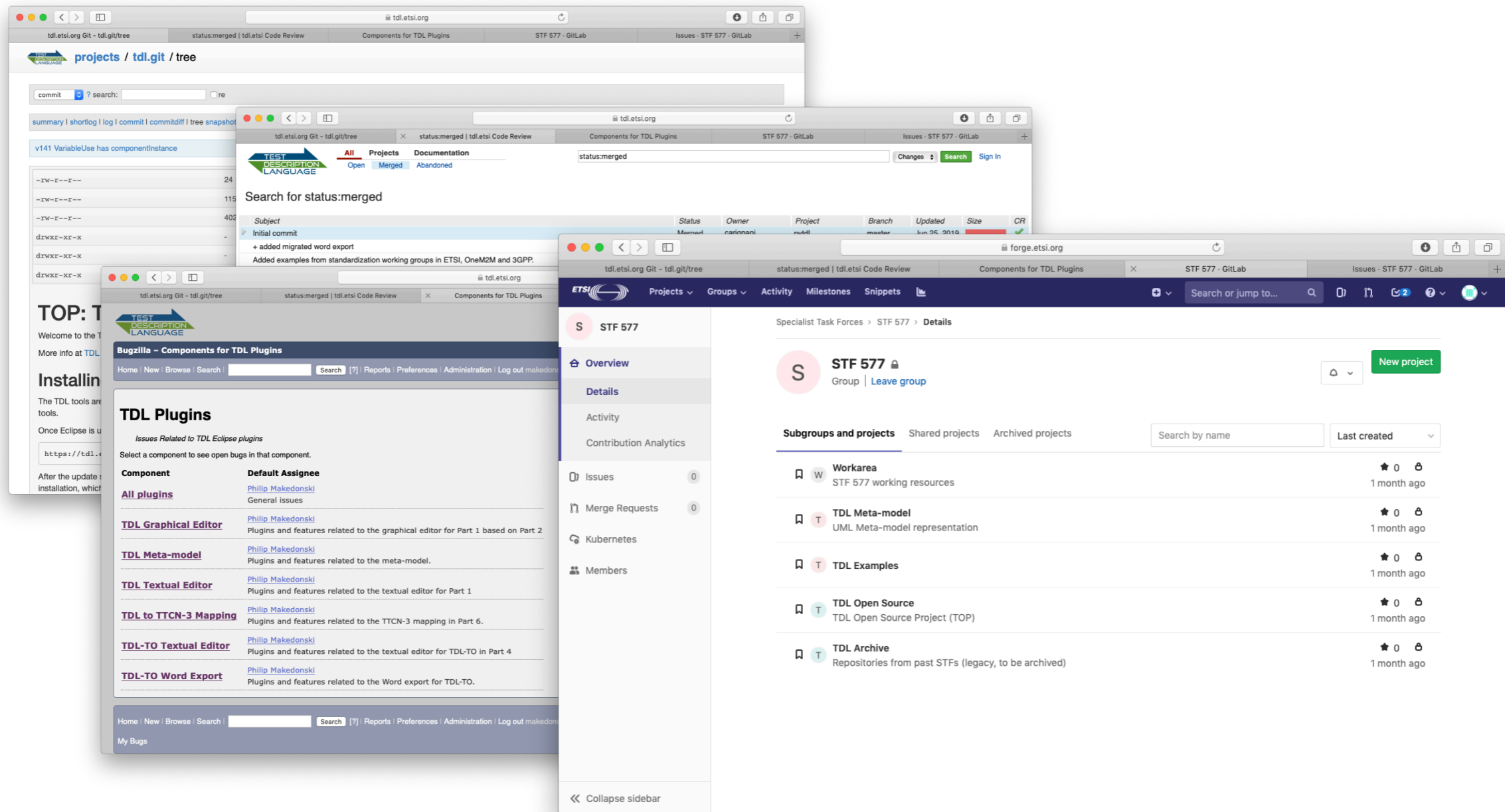
New Initiatives

- Extension for TO to capture TDs that are used in most documents
 - alternatively a separate extension
- Integration and cooperation with NWM group
 - embed TDL fragments / objects into deliverables
- Capture ICSs and requirements classification within TDL
 - currently annotations can be used for this purpose
 - guidelines shall include reference examples how to achieve that
 - check tools that can provide an insight how to express and integrate that

New Platform

- Switch TOP to GitLab as single, modern platform
 - ETSI forge focused on deliverables only
 - ETSI labs may provide more visibility
 - Separate domain (top.etsi.org) may be lost -> redirection? landing page?
 - Ongoing discussion within ETSI
- Currently STF 577 GitLab space used as a pilot / sandbox
 - all repositories migrated, bugzilla migration pending
 - target STF contributions, mirrored to top.etsi.org once stable

New Platform

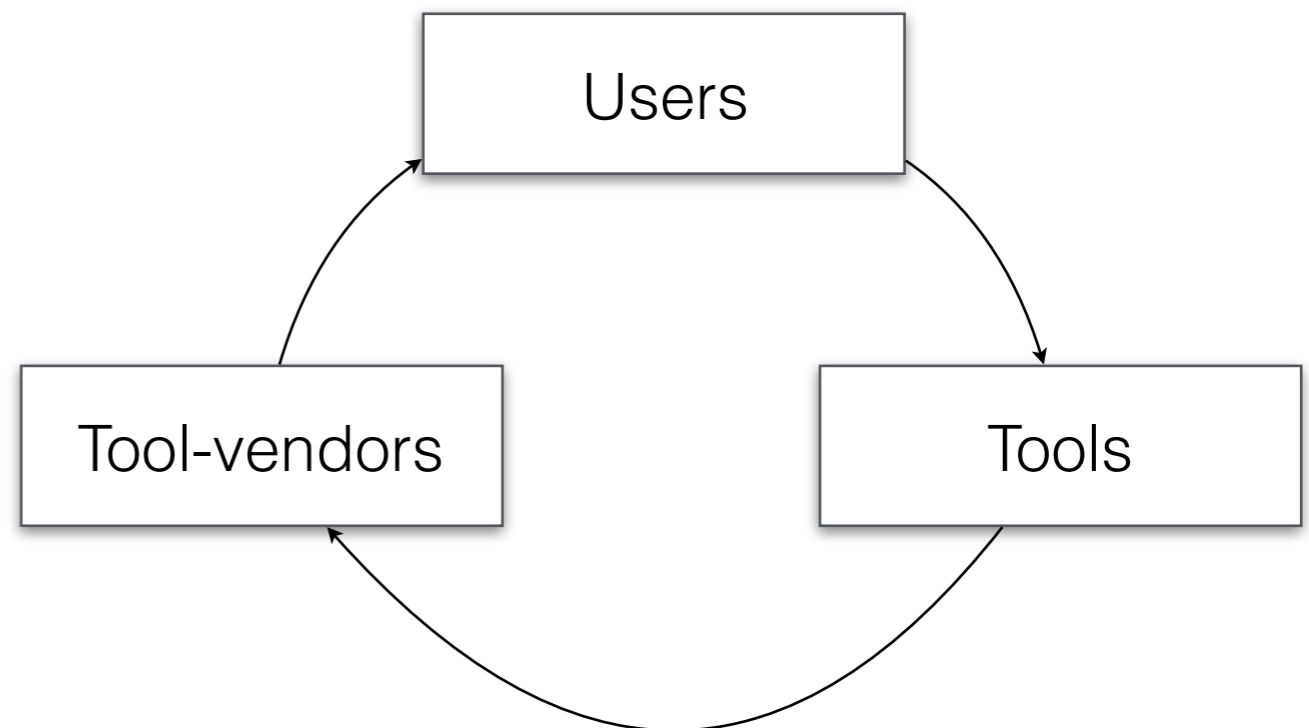


New Approach

- Make (parts of) working repository publicly visible
 - more transparency, early access
 - still needs filtering
- Quality is essential
 - poor quality drafts can leave a bad impression
 - risk that the whole initiative and by extension MTS is discredited
 - (private) comments may be misunderstood when taken out of context
 - fear of the above can limit contributions

Reflections

- We need users
 - initial studies and some interest at ETSI
 - other parties: NetResults, TSP, U-Ottawa, McGill U
- Users need tools and **guides**
 - TOP can be a platform for both
- Tools need tool-vendors
 - TOP as a starting point
- Tool-vendors need users



Reflections

- Further refinements and extensions desirable
 - inheritance, data and typing, local behaviour, mapping to TTCN-3
 - secondary, need to come from actual users
- Main focus on increasing acceptance and adoption
 - identify limiting factors and act on them, requires faster turnaround
 - information and training on solving actual problems instead of on features
- Fostering initiative among stakeholders
- Support and funding opportunities

Any other business?
