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| ***TTF T034 - Progress Report for ETSI*** | | | | | |
| **Presented to ETSI meeting** | MTS#92 |  | **Author:** | Martti Käärik | |
|  |  |  | **Date:** | 05 April 2024 | |
| **Doc ref** | MTS(24)092001 |  | **Version:** | 0.1 | |
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| **Project No** | **T034** |  | **Project Leader** | Martti Käärik | |
| **RB** | **MTS TDL** |  | **RB Responsible** | Philip Makedonski | |
|  |  |  | **Administrator** | Elodie Rouveroux | |
|  |  |  |  |  |  |
| **Project title:** | **TOP/TDL Runtime Interface and Enhancements** | | | | |
|  |  |  |  |  |  |
| **Milestone** | **B** |  | **Status** | **Covers the period until (cut-off date)** | 08 APR 2024 |
| **Template** |
| **Objective** | Second progress report to TC MTS  Stable drafts to be accepted by TC MTS  Second TOP tool feasibility demo | | | | |
| **Achieved** | Yes |  | | | |
|  | | | |
| **Remarks** | --- | | | | |
|  |  |  |  |  |  |
| **Achieved dates** |  |  |  |  |  |
| **Template** | **Draft report** | **RB approval** | **ETSI approval** |  |  |
| 05 Apr 2024 | 09 April 2024 |  |  |  |  |
|  |  |  |  |  |  |
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# Executive summary

The present document provides an overview of the second phase of the work of TTF T034 (TOP/TDL Runtime Interface and Enhancements).

The outcome of the work by milestone B are:

* Stable drafts of the standard deliverables,
* the demonstration of the current state of the toolset.

The deliverable drafts have reached stable draft statuses according to the work plan. Overall, the TTF has achieved its objectives for the milestone.

No changes to the work plan are required.

# Introduction

A large part of the TTF work consists of developing the TDL toolset. In the second phase, the team finalized the test runtime interfaces (TRI) and implemented support for the TRI in the tooling.

A solution for deploying web based TDL tooling has also been created and shall be deployed as soon as infrastructure becomes available.

The requirements for the toolset have been specified and subsequently reviewed and accepted by the TDL WG. The priorities for the requirements have been assigned and the implementation plan has been updated accordingly.

Public releases of the software are created as soon as a significant update has been completed and tested.

# Contractual milestone

The TTF has achieved its objectives for milestone B.

# Progress of the work

During the second phase of the work, the TTF has continued to add features to better support the test development process according to current practices in ETSI. The work of TTF T029 (Conformance testing of Wireless Transport Profile for Standard SDN Northbound Interfaces) has been chosen as a case study to validate the toolset.

The updated features include:

* Further textual syntax and related meta-model updates to facilitate more user friendly and flexible test data specification,
* improvement of YANG data format importer,
* system adapter for YANG-based data and
* test generator and runtime support for extended TRI.

During the implementation work, the TDL standard was updated to support the new features.

In addition to development work, the TTF finalized the runtime interfaces and additional operational semantics of the TDL as ES 203 119-9, which is now in stable draft status.

# Assessment of technical risk, difficulties encountered/expected, unresolved issues

The number of software components (and their dependencies) developed by the TDL team has increased over time and managing those components is becoming a task on its own. The team has decided to study alternative ways to manage the components and dependencies to streamline the development and deployment process.

# Proposed changes in the Project work plan

No changes to the work plan are required.

# Meetings/events attended on behalf of the Project

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | **Place** | **TB/Orga** | **Event description** | **Reason to attend** | **Expert(s)** |
| 2024-02-06 | Online | MTS TDL | MTSTDL-TDL open meeting #4 | Reporting on TTF progress, getting feedback from TDL WG | Martti Käärik,  Philip Makedonski, Finn Kristoffersen |

# Meetings/events planned to be attended

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | **Place** | **TB/Orga** | **Event description** | **Reason to attend** | **Expert(s)** |
| 2024-06-04 | ETSI | MTS | MTS#92 | Reporting on TTF progress | Martti Käärik,  Philip Makedonski, Finn Kristoffersen |

# Status of the deliverables

Following deliverables have reached stable draft status:

* TR 103 119,
* ES 203 119-1,
* ES 203 119-8 and
* ES 203 119-9.

All drafts are available in ETSI Sharepoint ([Drafts](https://etsihq.sharepoint.com/:f:/r/teams/TTFT034/Shared%20Documents/General/Drafts?csf=1&web=1&e=qwjhDL)).

The current state of the source code for Task 3 (TOP Features Implementation) is available at ETSI Labs web site (<https://labs.etsi.org/rep/top>).

# Next report

The next report is scheduled for: 2023-6-10.

# Any other business