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| **Title\*:** | MTS#79 Draft Meeting Report |
|  | 28-29 January 2020 |
| from **Source**\*: | ETSI |
| Contact: | Emmanuelle Chaulot-Talmon  |
|  |  |
| input for **Committee**\***:** | MTS |
|  |  |
| Contribution **For\*:** | Decision | **X** |  |
|  | Discussion |  |  |
|  | Information |  |  |
|  |  |
| Submission date**\***: | 2020-09-15 |
|  |  |
| Meeting & Allocation: | **MTS#79** |
|  |

# Opening

## Introduction & welcome, Local arrangements, IPR call

## Dirk Tepelmann welcome participants

IPR Call, Antitrust Statement was read as well as the Statement Regarding Engagement with Companies Added to the U.S. Export Administration Regulations (EAR) Entity List in Standardization Activities.

**Call for IPRs** (clause 4.1 of the ETSI IPR Policy, Annex 6 of the Rules of Procedure):

“The attention of the members of this Technical Body is drawn to the fact that ETSI Members shall use reasonable endeavours to inform ETSI of Essential IPRs in a timely fashion. This covers the obligation to notify its own IPRs but also other companies’ IPRs.

The members take note that they are hereby invited:

-to investigate in their company whether their company does own IPRs which are, or are likely to become essential in respect of the work of the Technical Body,

-to notify to the Chairman or to the ETSI Director-General all potential IPRs that their company may own, by means of
 the [IPR Information Statement and the Licensing Declaration forms](http://www.etsi.org/legal/IPR-Forms) that they can obtain from the secretariat”

Members are encouraged to make general IPR undertakings/declarations that they will make licenses available for all their IPRs under FRAND terms and conditions related to a specific standardization area and then, as soon as feasible, provide (or refine) detailed disclosures.

***ANTITRUST:***

***"The attention of all participants to the meeting was drawn to the fact that ETSI activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required by any participant of the meeting, including the Chairman and Vice-Chairmen."***

***No IPR declare.***

**Statement Regarding Engagement with Companies Added to the U.S. Export Administration Regulations (EAR) Entity List in Standardization Activities**

**1. Published Information is Not Subject to EAR**

ETSI believes that non-controlled technology and software disclosed pursuant to its activities are generally not subject to the EAR, as such technology and software is “published” and made available to the public without restrictions on its further dissemination through distribution at ETSI meetings generally accessible to the interested public and through public dissemination on ETSI online platforms (i.e. unlimited distribution).

Under EAR section 734.7, unclassified “technology” or “software” is “published,” and is thus not subject to the EAR, when it has been made available to the public without restrictions upon its further dissemination, such as through unlimited distribution at a meeting generally accessible to the public or through public dissemination (i.e. unlimited distribution) in any form.

ETSI’s activity is the production of open standards, including European harmonised standards as one of the standards bodies recognized by the European Commission. Any legal entity having interest in ICT standardisation work can be member of ETSI

Contributions (including technology protected or not by patent) made by ETSI Members are accessible on a member server and are effectively considered as disseminated to the interested public without restriction through ETSI membership.

Information contained in ETSI contributions, documents, meeting minutes, and emails distributed at ETSI meetings, by ETSI email distribution lists, or on the ETSI online platform is made available to the interested public through ETSI membership without restrictions upon its further dissemination.

All work done by Members in the different working groups of ETSI and resulting in technical specifications and/or standards that are published, is publicly available and accessible for free without any kind of restrictions.

**2. Non-Public Information**

Non-public information refers to i) the information not contained or ii) not intended to be contained in ETSI contributions, documents, meeting minutes, or emails. Non-public information may be subject to US export controls.

**3. Other Information**

Certain controlled encryption “technology” or “software” may still be subject to US export controls, even if publicly available.

**4. Conduct of Meetings**

Until further notice, the situation should be considered as "business as usual" during all the meetings called by ETSI.

**5. Responsibility of Individual Members**

Contributions, meetings, exchanges, discussions, or any form of other communication in or outside the ETSI meetings are of the accountability, integrity, and the responsibility of each Member. In addition, Members remain responsible for ensuring that none of their technical contributions include controlled software or technology or other information that is subject to US and/or non-US export control regulations.

Individual Members with questions regarding the impact of laws and regulations on their participation in ETSI should contact their companies’ legal counsels.

***No IPR Declared.***

## Approval of agenda, allocation of contributions to Agenda Items [Chaulot-Talmon]

Agenda is presented and approved.

## MTS Officials Appointment [Chaulot-Talmon]

Following the call for candidates for the MTS Chair and vice Chair positions, ETSI received the following candidatures:

Dirk Tepelmann, Spirent applied for MTS chairman position and Philip Makedonski, Institut für Informatik, Universität Göttingen applied for the position of vice chairman.

As there are one candidature per position, no vote is required.

DECISION:

Dirk Tepelmann is re appointed MTS Chairman for a period of two years (January 2022).

Philip Makedonski is appointed MTS Vice Chairman for a period of two year (January 2022).

## Presentation of incoming Liaisons & follow-up decisions

Topics: discussion of incoming liaisons (if any) and decision on potential responses & follow-up actions.

**LS in from ETSI ISG SAI:**
MTS has some interest is to look on AI and what is done in ETSI. Chair request MTS delegates to follow with their colleagues attending SAI if some topic, WI should be brought to the attention of TC MTS.

LS out will be prepared to thank ISG SAI for their liaison and inform them on MTS Technical report and specification related to Security.

**AP MTS7901:** ECT to prepare and send the LS

**LS in from ITU SG17.**
ITU T SG 17 thanks ETSI for TTCN-3 specifications and request the planning for the next publication.

Dieter Hogrefe will continue to act as a liaison officer between ETSI and ITU SG17.

## Reports from GA, Board, & OCG Meetings GA: Draft Decisions and actions from GA74 [GA(19)74\_036r1](https://docbox.etsi.org/GA/2019_GA/GA%2819%2974_036r1_Draft_decisions_and_actions_from_GA_74.doc)

#  MTS TST WG

Axel Rennoch reported on the progress of the TST Working group.
Related Contribution:  [MTS(20)079034r1](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079034r1_MTS_TST_9_meeting_report.docx)

2 work items are missing Rapporteurs. MTS is invited to look at the two drafts which are already in early draft status.
If MTS delegate volunteer to take over the Rapporteurs role for these WI the work could continue, if not, these WIs will be candidate for stopping at next MTS meeting

[DTS/MTS-TSTLoRaWAN (TS 103 598)](https://portal.etsi.org/webapp/WorkProgram/Report_WorkItem.asp?WKI_ID=54402)

[DTR/MTS-TSTSecTM (TR 103 599)](https://portal.etsi.org/webapp/WorkProgram/Report_WorkItem.asp?WKI_ID=54403)

**AP MTS7902**: ECT to send an email to MTS mailing list to call for new rapporteur.
Deadline next MTS meeting.

Status of WIs:
New schedule is proposed for MTS approbation.
Rapporteur changed on for the conformance documents on Coap and MQTT.

[Gheorghe-Pop Ilie-Daniel](https://portal.etsi.org/webapp/TelDir/ListPersDetails.asp?PersId=74339) is proposed to become rapporteur for

* [DTS/MTS-TSTCoAP-3 (TS 103 596-3)](https://portal.etsi.org/webapp/WorkProgram/Report_WorkItem.asp?WKI_ID=54412),
* [DTS/MTS-TSTMQTT-3 (TS 103 597-3)](https://portal.etsi.org/webapp/WorkProgram/Report_WorkItem.asp?WKI_ID=54411)

DECISION: TC MTS approved the change of Rapporteur and new schedule proposal

Make a LS to ISO JTC1 SC41 to promote MTS TST Work.
**AP MTS7903** ECT to check if an agreement is established already with ISO JTC1 SC41.

# TC INT AI in Test Systems and testing A models

Related contribution: [MTS(20)079033r1](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079033r1_Collaboration_with_TC_INT_on_Artificial_Intelligence_and_Tes.pptx)

Dirk Tepelmann presented a WI started in TC INT on Autonomic network engineering for the self-managing Future Internet (AFI); Artificial Intelligence (AI) in Test Systems and Testing AI models.

TC INT is also working on a white paper on AI in Test Systems and testing AI Models.

TC INT invited TC MTS to participate to the work on the development of the white paper and also to contribute to the WI.

Dirk Tepelmann proposed to form a group to collaborate with TC INT:

Fraunhofer Fokus, University of Gottingen, Siemens, Spirent, will follow up and contribute.

A first conference call will be organized on 10th February 2020.

**AP MTS7904:** Dirk Tepelmann organize a call with interested MTS delegates on TC INT AI in Test Systems and testing A models 10 or 11 February 2020

# UPDATE on TTF

The ToR for MTS were accepted, so the call for expert will be launched early February.

MTS state they would like the process to be launched no later than February.

For 2021, in June 2020 a call for TTF proposal will be circulated,

**AP MTS7905:**  Andreas Ulrich and Philip Makedonski Prepare the ToR on TDL for 2021, Jens Grabowski: Prepare the ToR on TTCN-3 for 2021

**AP MTS7906:** Ultan Mulligan to launch ASAP the MTS TTF 2020

# UCAAT

**5.1 Feedback from UCAAT 2019:**

Philip Makedonski: UCAAT is an excellent opportunity to promote ETSI MTS work, this year screens were installed at the ETSI booth and at each break presentations were made on TDL and TTCN-3.
This has attracted a lot of delegates and could provide a direct showcase on how they can use the technology; we had a good follow up on the website TDL, much more visitor after UCAAT.

Lively and fruitful discussion among PC members, dynamic which should be preserved, how to improve the conference how to improve the program, ETSI MTS and ETSI should preserve this.

Second time in a row in France, we still have very good discussions, a lot of participants from Eastern Europe, goal should be to reach east.

We received some request to join MTS and ETSI.

**5.2 Next UCAAT:**Dirk Tepelmann: I informed TC MTS we do not have a host for 2020.

2020 is an important date, TTCN-3 was launch in 2000 and the plan was to celebrate the 20 years of TTCN-3 in 2020, and TC MTS was hoping to have UCAAT in ETSI premises and to celebrate the 20 years of our successful story with TTCN-3 in ETSI.

The official process has been followed, we have provided the ‘ETSI Event request form 15 months in advanced (in 2019 our request was refused, with the reason that UCAAT should request ETSI to host it 15 months in advanced).
This year the reason has been that the ETSI Event team do not wish to organise ‘making profit event’.

This has been another surprise~~d~~, as the participants fees have always covered the coffee break, lunches and the social event, and the reason to implement this was not to use ETSI membership money for these costs, in addition ETSI has organised UCAAT in the past with the participants fees. This is extremely disappointing; I will have a call again with the ETSI Event director next week to see if a solution can be found.

We would be very pleased to see the ETSI event team providing a continuous support to UCAAT. Most important for us is to move location to meet local testing communities. If ETSI do not wish to use Xing for registration and make the event for free, how can the cost ~~be~~ covered? From ETSI budget?

Ultan Mulligan: I had the hope that ETSI could consider engaging an event organiser to organise the event and that the model can continue.

Anne Kramer: Proposal to organise a virtual UCAAT on internet. Anne will check with Seppmed for the hosting option, but they could not manage the organisation.

Dirk Tepelmann: A virtual UCAAT would loose one other main object of the UCAAT, providing the possibility of networking in the breaks actively scheduled in the programme – coffee and lunch breaks, etc.

Andreas Ulrich will check if feasible in Siemens Premises in Munich. ETSI is organising a Workshop this year, so maybe they could proceed the same way with UCAAT.

Philip Makedonski will check in Gottingen.

Decision by end of next week.

Dirk and ETSI SDC Director will join the meeting with the ETSI Event director.

**AP MTS7907:** Dirk Tepelmann to have a call with the ETSI event director with regards to UCAAT and provide feedback to TC MTS

**AP MTS7909:** Andreas Ulrich to check if UCAAT could be organized in Siemens Premises

**AP MTS7908:** Philip Makedonski to check if UCAAT could be organized in University of Goettingen Premises

# Methodology for RESTful APIS specs and Testing

Related contributions:

 [MTS(20)079028](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079028_STF_576_-_Progress_report_and_presentation.zip) (Progress Report and Presentation

[**MTS(20)079032**](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079032_STF_576_-_Draft_EG_203_647_v0_0_1.zip) (Draft 203 647)

[**MTS(20)079029**](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079029_STF_576_-__Results_of_the_Survey_on_RESTful_APIs.pptx) (Survey Results)

[MTS(20)079027](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079027_STF_576_-_Proposal_for_creation_of_a_portal_for_REST_documen.docx) (Proposal for creation of a portal for REST documentation)

Michele Carignani presented a report on the work progress of the STF 576.

* 4 Remote meetings held (since October 2019)
* 5 days F2F working session at ETSI
* Autonomous research and analysis of base document
* Prepared and conducted a Survey for ETSI groups
* Results were presented in an open Webinar

An Early draft is available: [MTS(20)079032](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079032_STF_576_-_Draft_EG_203_647_v0_0_1.zip)

The participants to the survey represent a good diversity of different ETSI groups (MEC/ONEM2M.) It shows that in each group there are APIs expert. Large number of participants were from the telecom fields but also IoT.

2 proposals were made for MTS consideration and approval:

* Opening a rest.etsi.org portal to allow a large collaboration.
* Open a STF workspace for public read access and ETSI delegates to report

Philip Makedonski: Liaison Statement mechanism should be used to communicate with other ETSI groups. The good timing should be chosen to share the stable draft. Mature Drafts will also need to be pushed on the Portal to give more visibility. Proposal to create a mailing list for ETSI delegates interested to broadcast information, to let participants answer to the list, it will allow to evaluate the interest.

Following some discussion on the best way to organised and promote the work it is decided:

For the first proposal opening a rest.etsi.org portal area, the STF would propose a structure at the next MTS meeting. The STF open workspace is not agreed, further possible solution.

A LS will be prepared to be sent out to targeted ETSI group.

**AP (79)010:** STF 576 to propose a structure for rest.etsi.org at MTS#80

**AP (79)011:** Philip Makedonski and ECT to prepare and distribute LS to several groups to inform them about REST

# TTCN-3 Maintenance and evolution

Related contributions:

[MTS(20)079014](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079014_STF573-Progress-Report-Milestone-B.pdf) (Progress Report)
[MTS(20)079011](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079011_Draft_-_RES_MTS-201873-1_v4121_TTCN-3_Core_v4113.zip) (Part 1)

[MTS(20)079004](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079004_Draft_-_RES_MTS-201873-6_v4_12_1__v4_11_2__ES_201_873-6____T.zip) (Part 6)

[MTS(20)079012](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079012_Draft_-_RES_MTS-201873-7v481ASN-1_v4_7_2.zip) (Part 7) [MTS(20)079010](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079010_Draft_-_RES_MTS-201873-9_v_4_11_1.zip) (Part 9)

[MTS(19)000049](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2819%29000049_Draft_-_RES_MTS-203022-AdvMatch_v141__v0_0_4__ES_203_022__.zip) (203 022)

[MTS(19)000047](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2819%29000047_Draft_-_RES_MTS-202784ed171__v0_0_1__ES_202_784____TTCN-3_ex.zip) (202 784)
[MTS(19)000048](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2819%29000048_Draft_-_RES_MTS-202785BehTypesv171__v0_0_1__ES_202_785____TT.zip) (202 785) [MTS(20)079005](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079005_Draft_-_RES_MTS-202789_ed151xTRI__v1_4_2__ES_202_789__.zip) (202789)

[MTS(20)079007](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079007_Draft_-_RES_MTS-203790-OOF_v1_2_1__v0_0_1__ES_203_790____TTC.zip) (203790)

 [MTS(20)079006](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079006_Final_educational_Material_for_TTCN-3_OO_features.pptx) Final educational Material for TTCN-3 OO features

[MTS(20)079008](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079008_OO_Standard_Library_Annex_B_of_ES_203_790.docx) OO Standard Library Annex B of ES 203 790

Axel Rennoch presented on behalf of Jens Grabowski, STF 573 STF Leader, the progress report STF 573 Milestone B.

Progress have been made on 53 CRS, the TTCN-3 Leaflet and TTCN-3 webpages have been updated.

Educational material for a webinar describing the effective usage of the TTCN-3 OO features, identified and implemented additional OO features have been developed, as well of the first version of a standard library for OO features.

The resolution of the following 6 CRs has been left open for the next TTCN-3 maintenance STF.

 · Part 01: TTCN-3 Core Language (2 CRs)
The number is reasonable and none of the open CRs looks critical.
The STF573 webpage can be found on: <https://portal.etsi.org/STF/STFs/STFHomePages/STF573>.

The work of STF573 has been presented and discussed on the ETSI UCAAT conference (https://ucaat.etsi.org/) in October 2019. An expert of STF573, i.e., Jens Grabowski, was available at the ETSI booth to present TTCN-3.

STF573 updated the TTCN-3 leaflet and contributes continuously to the TTCN-3 webpage <http://www.ttcn-3.org/>. Further external communication is done via Mantis and emails.

DECISION: TC MTS Approved:

* STF 573 progress Report Milestone B
* The following final drafts:
	+ Part 01: TTCN-3 Core Language (ES 201 873-1)
	+ Part 06: TTCN-3 Control Interface (ES 201 873-6)
	+ Part 07: "TTCN-3: the use of ASN.1" (ES 201 873-7)
	+ Part 09: Using XML with TTCN-3 (ES 201 873-9)
	+ Ext Pack: Advanced Matching (ES 203 022)
	+ Ext Pack: Advanced Parametrization (ES 202 784)
	+ Ext Pack: Behaviour Types (ES 202 785)
	+ Ext Pack: Extended TRI (ES 202 789)
	+ Ext Pack: Object-oriented features (ES 203 790)

Webinar: The material is ready, next step is to organize it with ETSI Com.

Invitation should be sent to: TC INT, STF160, ITS, 3GPP RAN5, ISG MEC, ONEM2M TST, SmartM2M MTS

Following some discussion, TC MTS would like the STF to prepare two webinars:
One to present the language and another one on OOO.

The slide prepared for UCAAT could be a good starting point for the introduction.

**AP (79)012:** Axel Rennoch and Dirk Tepelmann to check which material can be used to consolidate a presentation on TTCN-3 introduction, and estimate the resource needed to consolidate the presentation. This to be used for a webinar.

**AP (79)013:** Following some feedback on the OO webinar, Axel Rennoch to discuss with the STF and come up with a revision taking into account comments made during the meeting

Following some feedback on the OOO webinar, Axel will discuss with the STF and come up with a revision.

Audience for the OOO webinar should have already a basic knowledge of TTCN-3 and Object Orientation.

What is the added value of Object Orientation need to be emphasized?

# TTCN-3 ConformanceRelated Contribution:

 [[MTS(20)000001r1](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29000001r1_STF572_progress_report_-_Milestone_B.doc)](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29000002_STF572_presentation.ppt) (Final Report)

[MTS(20)000002r1](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29000002r1_STF572_presentation.ppt) (PPT)

[MTS(20)079018](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079018_Draft_-_RTS_MTS-1029501ed181__v1_0_0__TS_102_950-1____TTCN-3.zip) (950-1)

[MTS(20)079019](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079019_Draft_-_RTS_MTS-1029502ed181__v1_0_0__TS_102_950-2__.zip) (950-2)

[MTS(20)079020](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079020_Draft_-_RTS_MTS-1029512ed181__v1_0_0__TS_102_950-3____TTCN-3.zip) (950-3)

 [MTS(20)079021](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079021_Draft_-_RTS_MTS-1032531ed151__v1_0_0__TS_103_253____TTCN-3_t.zip) (253)

[MTS(20)079022](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079022_Draft_-_RTS_MTS-103254ed151__v1_0_0__TS_103_254__.zip) (254) [MTS(20)079023](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079023_Draft_-_RTS_MTS-103255ed151__v1_0_0__TS_103_255__.zip) (255)

[MTS(20)079024](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079024_Draft_-_DTS_MTS-103663-1__v1_0_0__TS_103_663-1__.zip) (663-1) [MTS(20)079025](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079025_Draft_-_DTS_MTS-103663-2__v1_0_0__TS_103_663-2__.zip) (663.2)

[MTS(20)079026](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079026_Draft_-_DTS_MTS-103663-3__v1_0_0__TS_103_663-3__.zip) (663-3)

Andras Kovacs presented the STF 572 progress report.
The planned test cases have been all completed and validated.

* ATS was validated with the following tools:
	+ TTworkbench: compile-time and execution.
	+ TestCast: compile-time and execution.
	+ Titan: compile-time and execution.
	+ Other tool vendors may validate their implementation of the latest features.

Some of the newly created test cases have limited tooling support during this STF; particularly for Object Oriented and JSON tests. Some of these tests were validated with one TTCN tool only.

* STF572 work has been completed
* STF572 will be finished by end of January.
	+ Draft deliverable is available for review in MTS#79 contributions
	+ There is a dialog with tool vendors regarding the analysis of observed errors
* Special thanks to Elvior and Spirent for the active tool support, which makes the continuous validation of results possible.
DECISION: TC MTS Approved:

STF 572 Final report

Final drafts for Approval

TS 102 950-1 ed1.8.1

TS 102 950-2 ed1.8.1

TS 102 950-3 ed1.8.1

TS 103 253 ed1.5.1

TS 103 254 ed1.5.1

TS 103 255 ed1.5.1

TS 103 663-1 v1.0.0

TS 103 663-2 v1.0.0

TS 103 663-3 v1.0.0

9 TDL and TOP Enhancement
Philip Makedonsi presented the TDL WG report, related contribution:  [MTS(20)079036](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079036_MTS-TDL_3_Summary.pptx)

MTS TDL Working Group Status

TDL/JADL Joint Effort: Check if there is any perspective on further work until MTS#80, Decide how to proceed with the WI in May.

**TOP Maintenance:**

* Ongoing within the new STF 577 according to the ToR
* Migration towards GitLab and eventually ETSI labs discussed
	+ Current contributions under STF GitLab space
	+ ETSI labs is expected in Q1 / March 2020, e.g. labs.etsi.org/top
	+ Continue development within STF GitLab space
* Evaluate which services are at tdl.etsi.org and which ones are moved
	+ STF 577 to propose desired URLs and other details (Wiki, Issues) for the switch
* tdl.etsi.org to remain as landing page for high-level overview

**UCAAT 2019 Recap, Promotion, Outreach**

* Slideshow was running at MTS booth, invited plenty of interesting discussions.
* Need to reach more stakeholders within ETSI.
	+ New TTFs? SCP testing? CIM? INT? ITS (TDL TO)?
* Consider scheduling an ETSI MTS / TDL session / open meeting
	+ Dedicated MTS workshop may be scheduled co-located with UCAAT
	+ Approach new topics (REST, AI, others)
	+ Expand awareness of TDL within ETSI and beyond
	+ Further discussion after UCAAT update during MTS#79 and during the week after
	+ Separate session / open meeting instead or in addition to

Cooperation with NWM group, to be discussed after NWM presentation at MTS#79.

Integration with repositories and cross references of machine readable assets.

Philip Makedonski presented the STF Progress Report Milestone A.
Related contribution:  [MTS(20)079030](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2020/MTS%2820%29079030_STF_577_Progress_Report_Milestone_A.docx)

* DECISION: TC MTS Approved: STF 577 Progress Report

# Meeting Wrap up

## DecisionsMTS Officials Appointment

Dirk Tepelmann, Spirent, is re appointed MTS Chairman for a period of two years (January 2022).

Philip Makedonski, Institut für Informatik, Universität Göttingen is appointed MTS Vice Chairman for a period of two year (January 2022).

The following documents have been approved during MTS#79 Meeting:

**Progress Reports**

STF 572 Final Report,

STF 577 Progress Report

STF 576 Progress Report

STF 573 Progress Report

**Final drafts:**

Part 01: TTCN-3 Core Language (ES 201 873-1)

Part 06: TTCN-3 Control Interface (ES 201 873-6)

Part 07: "TTCN-3: the use of ASN.1" (ES 201 873-7)

Part 09: Using XML with TTCN-3 (ES 201 873-9)

Ext Pack: Advanced Matching (ES 203 022)

Ext Pack: Advanced Parametrization (ES 202 784)

Ext Pack: Behaviour Types (ES 202 785)

Ext Pack: Extended TRI (ES 202 789)

Ext Pack: Object-oriented features (ES 203 790)

TS 102 950-1 ed1.8.1

TS 102 950-2 ed1.8.1

TS 102 950-3 ed1.8.1

TS 103 253 ed1.5.1

TS 103 254 ed1.5.1

TS 103 255 ed1.5.1

TS 103 663-1 v1.0.0

TS 103 663-2 v1.0.0

TS 103 663-3 v1.0.0

## Action List

|  |  |  |
| --- | --- | --- |
| **Action Number** | **Action**  | **Status** |
| **AP(79)001** | ECT and Axel Rennoch to prepare and send LS to ISG SAI | **Completed** |
| **AP(79)002** | ECT to send an email to MTS mailing list to call for new rapporteur. for 2 MTS TST WIs |  |
| **AP(79)003** | ECT to check if an agreement is established already with ISO JTC1 SC41 and communicate to MTS TST |  |
| **AP(79)004** | Dirk Tepelmann organize a call with interested MTS delegates on TC INT AI in Test Systems and testing A models 10 or 11 February 2020 |  |
| **AP(79)005** | Jens Grabowski: Prepare the TTF ToR on TTCN-3 for 2021 for next MTS meetingAndreas and Philip to prepare the TTF ToR on TDL for 2021 for next MTS meeting |  |
| **AP(79)006** | Ultan Mulligan to launch ASAP the MTS TTF 2020 |  |
| **AP (79)007** | Dirk Tepelmann to have a call with the ETSI event director with regards to UCAAT and provide feedback to TC MTS |  |
| **AP (79)008** | Philip Makedonski to check if UCAAT could be organized in University of Goettingen Premises |  |
| **AP (79)009** | Andreas Ulrich to check if UCAAT could be organized in Siemens Premises |  |
| **AP (79)010** | STF 576 to propose a structure for rest.etsi.org at MTS#80 |  |
| **AP (79)011** | Philip Makedonski and ECT to prepare and distribute LS to several groups to inform them about REST |  |
| **AP (79)012** | Axel Rennoch and Dirk Tepelmann to check which material can be used to consolidate a presentation on TTCN-3 introduction, and estimate the resource needed to consolidate the presentation. This to be used for a webinar. |  |
| **AP (79)013** | Following some feedback on the OO webinar, Axel Rennoch to discuss with the STF and come up with a revision taking into account comments made during the meeting |  |
| **AP (79)014** |  |  |

## Calendar of future meetings & Events

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Event** | **Date** | **Venue - [host]** | **Status** |
|  | **MTS#80** | 11-12 May 2020 | Eficode, Helsinki | Confirmed |
|  | **MTSTST WG#9** | 11 May 2020 9 to 10 AM | Eficode, Helsinki | Confirmed |
|  | **MTSTDL WG#3** | 11 May morning 10am to 1pm | Eficode, Helsinki | Confirmed |
|  | **MTS#81** | 8 - 9 September 2020 | Spirent, Berlin | Confirmed |
|  | **MTSTST WG#8** | 8 September 9 to 10 | Spirent, Berlin | Confirmed |
|  | **MTSTDL WG#1** | 8 September 10am to 1pm | Spirent, Berlin | Confirmed |
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Dirk Tepelmann thanks the participants and close the meeting.

## Participant List

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| --- | --- | --- | --- |
| Title | Last name | First name | Organisation |
| Mr. | Berge | Alexandre | European Telecommunications Standards Institute |
| Mr. | Carignani | Michele | European Telecommunications Standards Institute |
| Mrs. | Chaulot-Talmon | Emmanuelle | European Telecommunications Standards Institute |
| Mr. | Käärik | Martti | OÜ Elvior |
| Mr. | Kovacs | Andras | BroadBit Energy Technologies |
| Mr. | Kristoffersen | Finn | Cinderella ApS |
| Mr. | Makedonski | Philip | Institut für Informatik, Universität Göttingen |
| Mr. | Müller | Sebastian | European Telecommunications Standards Institute |
| Mr. | Mulligan | Ultan | European Telecommunications Standards Institute |
| Mr. | Rennoch | Axel | Fraunhofer Institute for Open Communication Systems FOKUS |
| Dr. | Réthy | György | Ericsson Telefonaktiebolaget LM |
| Mr. | Tepelmann | Dirk | Spirent Communications |
| Dr. | Ulrich | Andreas | Siemens AG |