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| **Title\*:** | MTS#87 Draft Meeting Report |
|  | 4-5 October 2022 |
| from **Source**\*: | ETSI |
| Contact: | Emmanuelle Chaulot-Talmon  |
|  |  |
| input for **Committee**\***:** | MTS |
|  |  |
| Contribution **For\*:** | Decision | **X** |  |
|  | Discussion |  |  |
|  | Information |  |  |
|  |  |
| Submission date**\***: | 2022-10-6 |
|  |  |
| Meeting & Allocation: | **MTS#87** |
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# Opening

## Introduction & welcome, Local arrangements, IPR call

## Philip Makedonski welcome participants.

IPR Call, Antitrust Statement was read.

**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 Declared.***

## Approval of agenda, allocation of contributions to Agenda Items [Tepelmann]

Agenda is presented and approved.

## Review of Action point [Chaulot-Talmon]

Philip Makedonski reviewed the Action list.

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| **Action Number** | **Action**  | **Status** |
| **AP(86)001** | Philip Makedonski to organize a SC call to discuss UCAAT 2023. | **Completed** |
| **AP(86)003** | Jurgen Grossman to launch conference calls to discuss and progress the work. | **Pending** |
| **AP(86)004** | Axel Rennoch and Ian de Meer: to draft a LS to JTC1 | **Stopped** |
| **AP(86)005** | Andras Kovacs and Ultan to Mulligan liaise for the next TTF to set up a project on Gitlab. | **Completed** |
| **AP(86)006** | Em and Axel Rennoch to update the TTCN-3 Leaflet prior to UCAAT. | **Completed** |
| **AP(86)007** | Jens Grabowski and Axel Rennoch to prepare the LS for ITU SG 17 to be approved by one week Remote Consensus. | **Completed** |
| **AP(86)008** | Andreas Ulrich to organise call to conclude on the road map by the summer. | **Pending** |
| **AP(86)009** | Em, Martti Kaarik and Philip Makedonski to prepare the material for UCAAT, Presence at UCAAT for the TDL team. Update the slide and leaftlet | **Completed** |

## Presentation of incoming Liaisons & follow-up decisions

Related contribution: [MTS(22)087006](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2022/MTS%2822%29087006_LS_IN_from_ITU_SG_13_on_LS_on_Establishment_of_the_Correspon.docx)

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

LS Received from ITU SG 13 on  Establishment of the Correspondence Group for datasets applicable for AI/ML in networks.

# MTS TST

* A call for MTS WG TST chair will be launch on 10th October.

**AP 87001:** Em CT to launch the call for TST WG Chair.

* Draft - DTS/MTS-TST10SecTest\_IoTmodule v "IoT security module testing"
* [MTS(22)087005](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2022/MTS%2822%29087005_Draft_-_DTS_MTS-TST10SecTest_IoTmodule__v__IoT_security_modu.docx) IoT Module Security Testing, Security Testing; IoT Security Functional Modules
* First draft uploaded for the meeting and presented by Marija Jankovic

Comments, Ultan Mulligan: References to commercial products need to be removed, check the direction of arrows in Figure 9 (the CI/CD pipeline figure), and correct references to EN 303 645 from TC Cyber: Cyber Security for Consumer Internet of Things: Baseline Requirements, and in particular note the limited scope of EN 303 645 and the associated test specification TS 103 701 (Consumer IoT).

Commercial references will need to be removed.

 **AP 87002:** TST WG meeting will be organized together with TDL team related to the test which may be used in TDL.

* [MTS(22)087001](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2022/MTS%2822%29087001_Draft_-_DTR_MTS-TST11Sec_IoTconf__v__IoT_security_architectu.zip): Draft - DTR/MTS-TST11Sec\_IoTconf v "IoT security architecture conformity"

First draft uploaded for the meeting and presented by Peter

Description of a general IoT Security architecture

Testing and assurance Approaches for IoT applications using the general IoT Security architecture, Experiences with different IoT Application Domains
Security Testing; Security validation of IoT architecture application and conformity, Case Study Experiences

Ultan Mulligan: Commercial references will need to be removed. Ensure there are some requirements. In the Automated Driving section (6.4), be careful that there are no specific references to any specific ITS radio interfaces (ITS G5, or C-V2X over 4G or 5G cellular systems)

# UCAAT

UCAAT 2022 took place from 13th to 15 the September in Munich, hosted by Siemens.

UCAAT 2022 feedback, Nathalie Kounakoff presented a summary for UCAAT 2022.

MTS chair thanks ETSI events team for the support and very good organisation and Andreas Ulrich for hosting and chairing the program committee.

Feedback from MTS participants who attended UCAAT:

Andreas Ulrich: Thank the ETSI event team, encouraging to have a physical event, very well organised.

Presentations were uploaded. Nathalie to check if it is feasible to upload the video. Reminder to fill in the survey.

Finn: very well organised, exhibition area was a part, better when it is in the coffee area.

UCAAT 2023

Nokia Romania mention their interest to host UCAAT during this year conference. ETSI event send them a call for host.

To ensure a smooth and open process MTS request to have the Call for host distributed more largely. The SC should be involved. For the selection process.

**AP 87002** The UCAAT Call for host will be distributed by ETSI Event to ETSI membership by CL and to UCAAT former participants, for 2023/25 with a deadline 21st October 2022 for 2023.

MTS reviewed the Call for host on request of ETSI event. Revised version uploaded.  [MTS(22)000049](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2022/MTS%2822%29000049_UCAAT__Call_for_Host.docx)

# AI Testing

Presentation CEN Cenelec JTC 21 Artificial Intelligence

Proposal for a Common Classification of AI Systems based on Methods and capabilities

* TODO: Review slides and materials
	+ see also related paper
* Focus on scheme for describing Methods and Capabilities to simplify information and transparency regarding AI for certification, testing, risk assessment, etc.
* Useful categorisation -> input for STF (if approved / funded by EC)
	+ break down testing / specification needs for different categories?
		- overview of available methods
		- design of suitable methods to address gaps
		- also for different risk classes?
		- documentation vs specification needs
	+ scope and state of work? direction for next steps? -> specification and testing not part of scope at present, not aware of any work in that direction
		- proposal from DIN side, to be discussed and approved within CEN/CENELEC
		- different opinions may be influenced by other positions
		- tendency towards adopting ISO/IEC standards instead

this may lead towards pushing for upstream contribution instead

parallel activities may need to be undertaken

Organise MTS AI call to define further step.

Focus group on Machine learning, W 31712

Em to check with ITU/Taras for use of figures.

Work Item Reference: DTR/MTS-1191168

Rapporteur: Grabowski, Jens

Title: MTS, AI Testing, AI-enabled Testing in Standardisation

Work Item Scope: The document covers AI-enabled testing for use in standardisation contexts, including supporting and adapting existing processes and methodologies for conformance and interoperability testing, robustness testing and other testing types.

It explores new approaches to streamline the test specification processes enabled by the use of AI in testing.

Work Item Reference: DTR/MTS-1191167

Rapporteur: Ulrich, Andreas

Title: MTS/AI Testing/Test Methodology and Test Specification for AI-enabled Systems

Work Item Scope: The document covers testing of AI-enabled systems for the purpose of standardisation and elaborates on test methodologies and methods for test specification.

It identifies requirements for testing and comes forward with proposals to tackle the technical aspects of certifying trustworthiness of AI in standardisation contexts.

Decision to WI shift date for one year, draft STF proposals

**AP(87)005:** Em CT to update the work program

# TTCN-3

Axel Rennoch presented TTF T023 status report: [MTS(22)087007](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2022/MTS%2822%29087007_TTF_T023_progress_status_report.pptx)

Progress report to be deliver by 14th October followed by one week RC approval.

WIs schedule early and stable drafts for T1 will be deleted from the Work Program.

Stable draft need to be deliver end of January for T2.

**AP(87)006**: Jens Grabowski and Axel Rennoch to upload the Progress report by 14th October

Decision: For Task 1 early and stable drafts dates in the work program will be removed.

6 **TDL and TOP Enhancement**

Related contribution:

TTF 022 Progress Report: [MTS(22)087003](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2022/MTS%2822%29087003_TTF_T022_-_Progress_Report_for_ETSI.docx)

TDL TOP Progress & Actions: [MTS(22)087008](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2022/MTS%2822%29087008_MTS87_and_TDL_WG_progress_and_actions.pptx)Martti Käärik presented TDL / TOP Status.

**UCAAT retrospective**

Discussion on various level on TDL, with several participants.
Enquiries, on how to find more information.

* Axini interest in TRI in particular -> need to sync on TRI draft once “stable”, runtime semantics, TDL as frontend language?
* Agreement to share stable draft and ensure cooperation with them.
* generalised standardised TRI is of high interest
* Add more focus on YANG / MWT to the extent possible with higher priority, timeline TBD

**AP**: TTF 023 Start conversation with Axini.

High level uses cases presented and discussed. Updated on the TTF T022 Team area.

**TTF 022 Progress Report:**

The TTF proposes following minor changes to the work plan (as detailed in clause 6):

* TTF proposes to postpone the completion of Task 1 (TOP Requirements and Validation) until Milestone B (2023-01-31). The organization of necessary meetings (both among TTF and with TDL WG) for discussing and agreeing on the work content were hindered by experts’ availability during summer months as well as by the preparation for and participation in the UCAAT conference. See clause 10 for input required from the TDL WG.
* TTF proposes to postpone the completion of Task 2 (TOP Architecture Design) until Milestone C (2023-05-31). TTF intends to share the stable draft of the deliverable with interested parties to gather feedback. In case relevant feedback is received, some time is required to discuss and incorporate resulting changes to the deliverable.
* **MTS Decision:** postpone the completion of Task 1 (TOP Requirements and Validation) until Milestone B (2023-01-31) and the completion of Task 2 (TOP Architecture Design) until Milestone C (2023-05-31).

**AP(87)007**: Martti Käärik to organize a TDL WG meeting in October.

**AP(87)008** TTF ToR: TTCN 3 and TDL ToR need to be updated and approved at MTS#88

# Software & Standards at ETSI

Ultan Mulligan presented ETSI Software Development Group proposal.

Related contribution: [MTS(22)087004](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2022/MTS%2822%29087004_ETSI_Software_Development_Group_proposal.pptx)

* + not urgent to move TOP to that at present
	+ implications also need to be assessed
	+ licensing update, ToR migration / adjustment
	+ working procedures -> similar to governance, details regarding releases (more or less formal as needed)
	+ clarification of relationship between TOP and TC MTS (level of control, dependencies, responsibilities, compatibility, restrictions, etc.)
		- current governance will need to be extended
		- some relationships may need to be more or less formalised
	+ major driver could be external contributors and adopters of TOP which is more independent from MTS / ETSI
	+ changing ToR more burdensome, requires DG approval
	+ changing lower-level working procedures can be adapted more easily

**AP(87)007** TTF ToR: TTCN 3 and TDL ToR need to be updated and approved at MTS#88

AOB

**Next Meeting Dates:**

MTS#88: 24- 25 Janvier 2023, Thessaloniki, Greece
Centre for Research and Technology Hellas
Information Technologies Institute (CERTH/ITI)
6th Km. Charilaou-Thermi Rd., 57001, Thessaloniki, Greece

MTS#89:

# Action List

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| --- | --- | --- |
| **Action Number** | **Action**  | **Status** |
| **AP(87)001** | Em CT to launch the call for TST WG Chair. |  |
| **AP(87)002** | ETSI event to distribute the Call for host to ETSI membership by CL and to UCAAT former participants, for 2023/25 with a deadline 21st October 2022 for 2023.  |  |
| **AP(87)003** | Em CT Organise MTS AI call to define further step. |  |
| **AP(87)004** | Em CT to check on the use of figures from ITU |  |
| **AP(87)005** | Em CT to shift workplan dates + 1 year for the AI WI |  |
| **AP(87)006** | Jens Grabowski and Axel Rennoch to upload the Progress report by 14th October |  |
| **AP(87)007** | Martti Käärik to organize a TDL WG meeting in October. |  |
|  |  |  |
|  |  |  |

Philip Makedonski thanks the participants and close the meeting.

## Participant List

17 participants attended MTS#87 meeting.

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| --- | --- | --- | --- | --- |
| Title | Last name | First name |  | Organisation |
| Mrs. | Chaulot-Talmon | Emmanuelle |  | ETSI |
| Mrs. | Cheron | Frederique |  | ETSI |
| Mr. | Grossmann | Juergen |  | Fraunhofer FOKUS |
| Mr. | Hackel | Sascha |  | Fraunhofer FOKUS |
| Mr. | Hofmann | Klaus-Peter |  | Deutsche Telekom AG |
| Mr. | Holoyad | Taras |  | BMWK |
| Dr. | Jankovic | Marija |  | CERTH |
| Mr. | Käärik | Martti |  | OU Elvior |
| Ms. | Kounakoff | Nathalie |  | ETSI |
| Mr. | Kristoffersen | Finn |  | Cinderella ApS |
| Mr. | Lehtmets | Andrus |  | OU Elvior |
| Dr. | Makedonski | Philip |  | Institut für Informatik |
| Mr. | Mulligan | Ultan |  | ETSI |
| Mr. | Rennoch | Axel |  | Fraunhofer FOKUS |
| Ing. | Simon | Matthias |  | Nokia Germany |
| Mr. | Tepelmann | Dirk |  | Spirent Communications |
| Dr. | Ulrich | Andreas |  | Siemens AG |