**Monday 23rd October (Afternoon)**

# Opening

## Introduction & welcome, Local arrangements, IPR call [Tepelmann, Rennoch]

**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.

***"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."***

## Approval of agenda, allocation of contributions to Agenda Items

Topics: review agenda content, allocation of contribution to agenda items, agenda items time scheduling.

## Reports from MTS Meetings [Rennoch]

## Topics: TST ToR presentation and discussion of the scope/priorities

* MTS WG TST Motivation [**MTS(17)072040**](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2017/MTS%2817%29072040_MTS_WG_TST_Motivation.pdf)
* ToR for new Working Group TST [**MTS(17)072039**](https://docbox.etsi.org/MTS/MTS/05-CONTRIBUTIONS/2017/MTS%2817%29072039_Proposed_ToR_for_new_Workind_Group__TST.docx)
* Call for candidates MTS TST WG Chairmanship, by 31th October 2017 EOB
* E-mail distribution list available for subscription: MTS\_TST@LIST.ETSI.ORG

# Planning/brainstorming on TST activities/liaisons for 2017 & beyond [All]

Topics: open discussion on

* Eclipse IoT-Testware,
* target TST documents and formats,
* new work items, and
* possible liaisons.

Collected ideas:

* FOKUS: We have research in IOT and we contribute to IOTTESTWARE but we want to standardize this work
* ERICSSON: IOT world has poor quality assurance and certification capabilities (it is not in health), this WG could play a significant role in making the scenario less wide (less complex) identifying the areas where users want more Quality Assurance. ETSI could play an important role in specifying test suites even for protocols standardized by other bodies
	+ It is important to reach out to those other bodies to coordinate on the work
* AUDI: it is important to have a focus on IOT as a service (therefore focus on service layer) and to have a focus on OPC-UA
* FRANHOFER IPK: We want to have testing opportunities for IOT components as black boxes
	+ Test also security, reliability and performance
	+ Important to coordinate with other SDOs in order not to multiply the standards out there
	+ Our specific interested is having a demonstrator of this testing capabilities for IOT
	+ When choosing a framework (e.g. for OPC) we want to test it before adopting it
* DEKRA:
	+ Main interest is in testing in certification
	+ One of our focuses is security, there are many requirements but no clear indications on how the tests should be done
	+ Start with some protocols and then extend them, we have tools to test but the tool vendor keeps thing opaque
* ETSI: primary focus is oneM2M and not to duplicate work
* SINTESIO promotes open standards
	+ Lets start with MQTT and COAP
* ELVIOR currently mainly observer
* Dirk: As the chairman of MTS  will supervise the activity, plus interested being SPIRENT a testing tool vendor

Collected conclusion:

* **Landscape on existing IoT standards and testing (for future review by other group)**
* Criteria for security tests
* COAP, MQTT functional tests
* OPC-UA
* Security tests (fuzzing) for COAP and MQTT

AP (all): Provide temporary documents (problem statements) for discussion at future TST meeting (Nov. 2017) as proposals to be discussed in next MTS meeting (January 2018)

These documents should be input and uploaded to TST#2 at 30th November 2017 (10:00h-12:00h) in Berlin/online. **Deadline for input one week before TST#2.**

First goal is the landscape on IoT testing approaches and criteria. To be exchanged with other groups (liaisons) for review.

# Meeting wrap up

## Approvals (review & confirmation) [All]

Topics: recapitulation of New WIs, final drafts, LS out approved during the meeting, presentation of remaining ones to be approved, announcement expected revisions to be approved by remote consensus after the meeting.

## LS OUT

n/a

## New WI

n/a

## Actions list

|  |  |  |
| --- | --- | --- |
| **Action Number** | **Action**  | **Status** |
| **AP(01)01** | All: Provide written technical input statements on IoT testing landscape and priorities for TST#2 | **open** |

## Calendar of future meetings & Events

TST#2: 30th November 2017, 10-12h, Berlin (Spirent or FOKUS) /online

TST#3: January 2018, before MTS#73, 10-12h, Munich /online

Participants List:

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | **Last name** | **First Name** | **Organisation** |
| Mr. | Carignani | Michele | ETSI |
| Mr. | Eppelein | Martin | Fraunhofer IPK |
| Mr. | Jäkel | Frank-Walter | Fraunhofer IPK |
| Mr. | Lehtmets | Andrus | OU Elvior |
| Mr.  | Pintar | Bostjan | Sintesio |
| Mr. | Rennoch | Axel | Fraunhofer FOKUS |
| Dr. | Réthy | György | Ericsson LM |
| Mr. | Wardaschka | André | DEKRA Exam GmbH |
| Mr. | Tepelmann | Dirk | Spirent Communications |