ETSI TC MTS WELCOME

Presented by Dirk Tepelmann, ETSI TC MTS Chairman
Who is ETSI TC MTS?

- **Methods for Testing & Specification**
- Creates guidelines, frameworks, notations, and methodologies
  - Independent of application domains
- **GOAL**
  - High-quality Standards
  - Efficient Testing
What is ETSI TC MTS Standardizing?

- Security Testing
- TTCN-3
- MBT
- TDL
- TTCN-3 Test Suites
- Methods
Usage of MTS standards

Example Application Domains using TTCN-3 (the standardized Testing and Test Control Notation)

- IoT
- Telecom
- Automotive
- Medical
- Power Transmission and Distribution
- Financial
- Avionics
- Etc.
Who Affects ETSI TC MTS Work?

- Industry & Research
- UCAAT Participants
- ETSI Technical Committees
- TC MTS Participants (Core)
ETSI MTS Working Group TDL

- Manages everything related to
  - The ETSI Test Description Language (TDL) and
  - The TDL Open Source Project (TOP)
- Standardization of new language concepts and syntaxes
- Coordination of the development of TDL tools, e.g. editors, based on Eclipse
- Website: https://tdl.etsi.org/
ETSI MTS Working Group TST

- Develop studies, guidelines, test catalogues and test specifications
- Initial technical focus include: IoT protocols (MQTT, COAP, LoRaWan), Security Test purposes (IEC 62443)
- Cooperation with Eclipse project IoT-Testware

Who is the Core of ETSI MTS?

Product Companies
- Ericsson
- Siemens
- etc

Tool Makers
- Spirent
- Elvior
- etc

Applied Research
- Fraunhofer
- University of Göttingen
- etc

Service Providers
- Sintesio
- Broadbit
- etc
Interested?

• Get more information & contribute!
  • Attend an MTS meeting as ETSI member or as guest of TC MTS
    • Three annual meetings at different locations
  • Actively work in Special Task Force (STF) teams
    • Currently running 3 different STFs
  • Contribute your interests or needs in Testing

• Visit the ETSI booth orb http://portal.etsi.org/MTS!