




# Welcome to the World of Standards

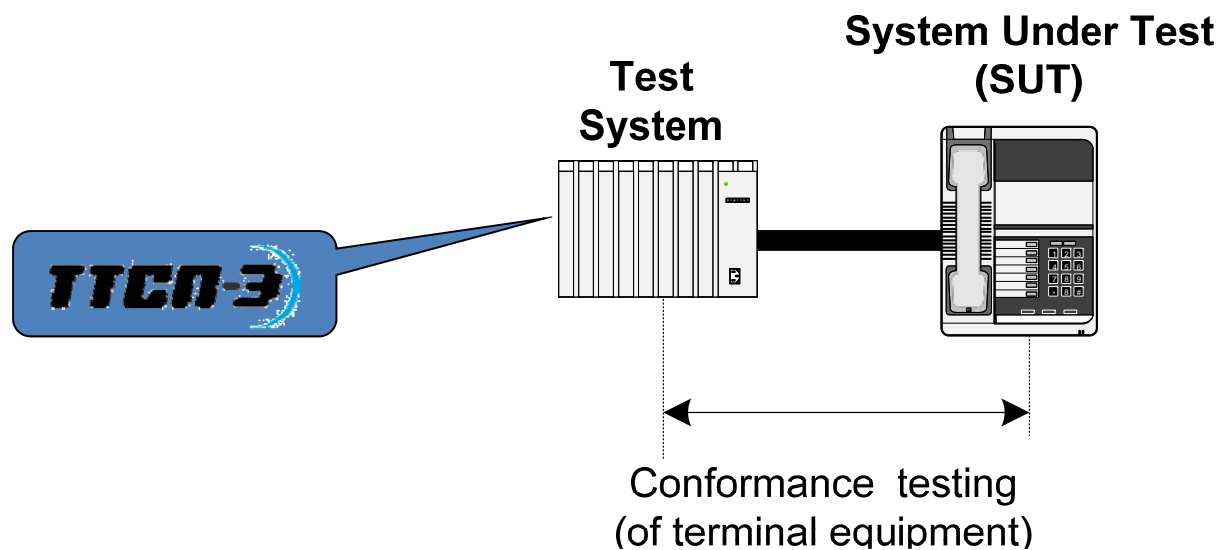


## **SMART APPLIANCE - TECHNICAL TEST-SPECIFICATION BY ETSI**

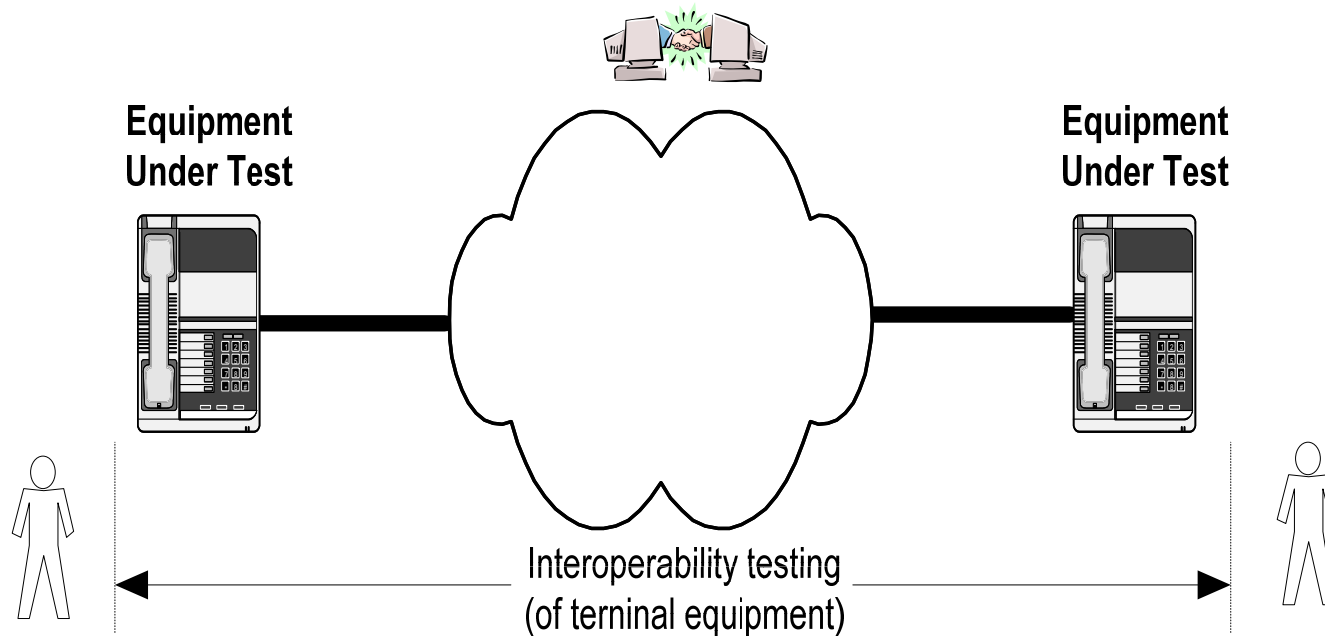
Presented by Laurent Velez (ETSI) for Smart Appliance Workshop, Sophia-Antipolis 14 October 2014

- These 2 steps come together with the standard specification: it is about making sure that the standards **do the right thing** (Validation/Interop) and that **they do it** right (Conformance Testing)
- Many standards have an associated set of standardized test specifications
- In general, the SDO write tests – they do not perform tests themselves
- Usually Conformance or Interoperability tests are
  - For use by industry development processes
  - For 3rd party certification
  - Scope , development and the review done by the SDO Working Groups

-  Centre for Testing and Interoperability (CTI) is a unit within ETSI dedicated to support the ETSI Technical Committees which includes:
  - The use of best practices for the specification and validation of base standards
  - Support and development of test specifications for Key ETSI technologies (conformance & Interop)
  - To Organize Interoperability events (Plugtests)



Tests a specific (part of a) product for compliance to requirements in a Base Standard



Tests (end-to-end) functionality between two or more products

## Conditions

- are not commercial (ETSI is not for profit org ) and funded by EC,
- Part of the support to Technical Bodies offered by ETSI
- are open to members and non-members
- aim to facilitate the validation and development of interoperable standards (and their associated products)
- are not certification exams

## Anonymous

- covered by an NDA
- All test results are strictly anonymous
- All technical findings will be presented to TBs to highlight any issues which need to be resolved



# SMART APPLIANCE TESTING ACTIVITIES

## SAP Testing activities at SmartM2M

- The TC SmartM2M is working on the production of new Technical Specification : ETSI TS 103 268-1
- This TS proposes a global methodology for conformance and interoperability testing for Smart Appliance.
- It analyzes the overall testing needs and also identifies and defines the additional documentation required.





🌐 At the SmartM2M#31 meeting, following Work Items have been created for future Technical Specifications on « **SAP ontology and communication framework conformance testing** » :

- TS 103 268-2 : Protocol Implementation Conformance Statement (PICS)
- TS 103 268-3: Test Suite Structure and Test Purposes (TSS&TP)
- TS 103 268-4: Abstract Test Suite (ATS), using TTCN-3



- **Interoperability:**  
TC SmartM2M has scheduled to produce Interoperability Test Descriptions (TD) for Smart Appliances
- **Interoperability Events (Plugtests) on Smart Appliance** when SAP products will be available.
- **oneM2M:** At the latest plenary meeting, the Partnership Project showed high interest in Smart Appliance project outcome.



## Contact Details



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**Thank you!**