Source: Easy Global Market

Title: Initial proposal for one NWI in MTS TST

1. IoT security test purposes in TDL

The Internet-of-Things (IoT) is rapidly heading for large scale meaning that all mechanisms and features for the future IoT need to be especially designed and duly tested/certified for large-scale conditions. Also, Security, Privacy and Trust are critical elements of the IoT where inadequacy of these is a barrier to the deployment of IoT systems and to broad adoption of IoT technologies. Suitable duly tested solutions are then needed to cope with security, privacy and safety in the IoT domain.

The EU funded H2020 ARMOUR project aims to address Security and Trust issues on Internet of Things by providing methods and tools to benchmark and certify Security & Trust technological solutions for IoT. ARMOUR identifies goals that define the approach being used to achieve Security and Trust solutions. Proposed approach is being validated over six experiments covering different segments of the IoT value chain.

We propose to transfer the developed methodology to serve as references for test campaign addressing security tests for IoT. This includes the ARMOUR IoT vulnerabilities database and developed test purposes to write test specifications. Test specifications shall make use of the ETSI notation TDL-TO as defined in ETSI ES 203 119-4 V1.2.1 (2016-09).

References:

* ARMOUR Project, <https://www.armour-project.eu/>
* TDL-TO, <http://www.etsi.org/deliver/etsi_es/203100_203199/20311904/01.02.01_60/es_20311904v010201p.pdf>