Source: Easy Global Market

Title: Initial proposal for one NWI in MTS TST

1. Test Specification for LoRaWAN security tests

IoT devices and solutions have strong requirements in terms of power consumption and range. To answer the concrete problematics of IoT, the LoRa Alliance was created, designing a protocol for large deployment of IoT devices, such as SmartCities. However, the adoption of the LoRaWAN technology and specification is posing the problem of security when thousands of devices are deployed without strong security testing. However, there are no test specifications available covering the known vulnerabilities of the LoRaWAN protocol. Apart from actual research and experiences, there

We propose to develop such documents which will serve as references for test campaign addressing the security of LoRaWAN protocol. Those tests shall address the implementation of the security aspects of LoRaWAN protocol and its known vulnerabilities, such as the proposed tests would expose lacks of security to LoRaWAN developers.

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:

* LoRa Alliance, <https://www.lora-alliance.org>
* TDL-TO, <http://www.etsi.org/deliver/etsi_es/203100_203199/20311904/01.02.01_60/es_20311904v010201p.pdf>