

I. Introduction

On the 17th of July 2019 authors participated in the IEEE P2733 Working Group - Clinical IoT Data and Device Interoperability with TIPPSS (Trust, Identity, Privacy, Protection, Safety, Security), Kick-Off Meeting. This outstanding event inspired authors to publish results of the work which might influence standard development. The Internet of Things has gone from myths to reality. Smarthouse became every day need today, for example an air conditioner, a cleaner etc. The clinical IoT may be the next step of evolution. The main principles of TIPPSS - Trust, Identity, Privacy, Protection, Safety, and Security - are essential for human and machine protection as well as for the development of contemporary world [1]. Although the definitions of security and privacy differ sometimes, today the IoT's architecture should be universal and should be able to eliminate vulnerabilities. A plenty of solutions were suggested to achieve TIPPSS – trust, identity, privacy, protection, safety and security - a primary objective from the start [2]. Today different types of modern medical devices, which are based on IoT, depend on comprehensive standardization solutions to address security and other needs. The IEEE projects aim to solve these problems and satisfy needs and demands of medical area [3].