Terms of Reference
Internet of Things Global Standards Initiative (IoT-GSI)

1. Scope

According to § 2.2.11 of Recommendation ITU-T A.1, the scope of IoT-GSI is the area of ITU-T work covered by JCA-IoT [see terms of reference at http://www.itu.int/en/itu-t/jca/iot].

2. Purpose

The purpose of IoT-GSI is to provide a visible single location for information on and development of IoT standards, these being the detailed standards necessary for IoT deployment and to give service providers the means to offer the wide range of services expected from the IoT. In collaboration with other bodies, IoT-GSI harmonizes different approaches to the IoT architecture worldwide.

3. Justification

An IoT-GSI is justified because the depth of change to the fundamental approaches being taken to the provision of situation-aware telecommunication services from things, and the associated breadth of topics that need to be addressed, are well beyond what could be covered within a particular study group following routine standards development processes. A GSI also provides essential external visibility for ITU-T's work, and is a clear and obvious place to go to for information on the Sector's work in this particular area. Indeed, it serves as a banner under which to unify all the activities being carried out within ITU-T.

4. Objectives

The IoT-GSI aims to accomplish the following objectives through meetings and related activities involving groupings of rapporteur groups working on the IoT:

- Develop a definition of "Internet of Things (IoT)"

- Provide a common working platform by collocating meetings of IoT-related rapporteur groups

- Develop the detailed standards necessary for IoT deployment, taking into account the work done in other standards development organizations (SDOs).

5. Working methods

The IoT-GSI works primarily on a face-to-face basis using a pre-arranged time schedule for the IoT-GSI event. In addition, remote participation e-meetings are also used by specific rapporteur groups during the IoT-GSI event for facilitating the participation of and coordination with relevant experts and SDOs.

6. Lifetime

The IoT-GSI is expected to be required until at least the end of the current study period (2012), and potentially beyond.

7. Administrative support

TSB will provide the secretariat and facilities required by the IoT-GSI through its normal support for the activities of the study groups involved.