

TSB DIRECTOR CJK CTO CONSULTATION MEETING

14 April 2015 (pm), Seoul, Korea

COMMUNIQUÉ

Fourteen information and communication technology (ICT) leaders representing ITU-T sector members from China, Japan, and Korea, gathered in a consultation meeting organized by the Director of the ITU Telecommunication Standardization Bureau (ITU/TSB) and kindly hosted by Korea Telecom in Seoul, Korea, 14 April 2015.

Networks in support of IMT-2020 / 5G and IoT were the key topics in the consultation and were identified as areas of particular strategic importance to all participants.

Networks in support of IMT-2020 / 5G

The rapid adoption of mobile broadband services and growing expectations from users for superior mobile broadband experiences are prompting industry, academia and governments to explore how to meet these demands.

In early 2012, ITU embarked on a programme on *“International Mobile Telecommunications (IMT) for 2020 and beyond”*, setting the stage for 5G research, development, and marketing activities around the world. Today, companies from China, Japan, and Korea are among the thought leaders in the 5G domain.

While technical work, in particular on air interfaces and radio access networks was progressing rapidly and showing the first promising results, participants noted that the fixed network, including fixed access, backhaul and core networks, composes a key component in the 5G architecture in order to meet demanding requirements and satisfy the expectations of users, network operators and service providers. Participants commented that an integrated architecture would need to be described and capabilities of the networks supporting IMT-2020 / 5G, such as control and management functions, end-to-end QoS and QoE, deserved greater focus.

The meeting took note of 5G-related proposals submitted to ITU-T’s lead study group on future networks (SG13), and welcomed suggestions to establish an open platform for experts representing ITU members and non-members in order to advance the IMT-2020 / 5G agenda, from a fixed network perspective. Participants recommended to align and to synchronize timelines and deliverables with related IMT-2020 activities in ITU-R and other organizations.

IoT

ITU/TSB Director described IoT and smart cities as key drivers of future 5G networks. The advent of smart cities represents a unique opportunity to upgrade from the current infrastructure to a modernized, smart digital infrastructure. Participants highlighted the benefits of sharing the enabling ICT infrastructure and data between vertical sectors, over a ‘siloes’ approach.

Reference was also made to Resolution 197 of ITU Plenipotentiary Conference (Busan, 2014). The Resolution on *“Facilitating the Internet of Things to prepare for a globally connected world”* instructs the Director (1) *to continue the work of relevant ITU-T study groups on enabling IoT as a basic enabler capable of facilitating the emergence of diverse services in the globally connected world [...]*, and (2) *to continue*

cooperation with relevant organizations, including SDOs, for exchanging best practices and disseminating information to increase interoperability of IoT services [...].

The 2015 session of ITU Council is set to review key outcomes of past IoT-related activities in ITU, including the adoption of the first international standard on healthcare M2M interfaces – Recommendation ITU-T H.810 – and to discuss potential future work.

Participants learned about the recent fruitful discussions between the ITU/TSB and oneM2M leadership, and a possible way forward emerging from ITU-T Focus Group on Smart Sustainable Cities to bundle IoT-related aspects in a new ITU-T study group on *“smart cities and communities & IoT”*.

The meeting recommended to carefully study the issue, leverage existing work, and to study the relationships and synergies with other ITU-T study groups, as well as SDOs, forums and consortia outside ITU.

Participation at the TSB Director CJK CTO Consultation Meeting

ITU/TSB Director thanked all participants for their contribution to the issues of strategic importance for ITU-T. He explained that this is the first in a series of regional consultation meetings leading to the annual CTO Meeting being held on 11 October 2015 in Budapest, Hungary, just before ITU Telecom World 2015. Participants at the meeting in Seoul enjoyed the constructive exchange of opinions and expressed their gratitude to ITU/TSB Director for providing this forum to discuss emerging standardization priorities in ITU. They also thanked Korea Telecom for hosting the event and dinner.

The participating organizations were:

Datang Telecom Technology & Industry Group, China; Electronics and Telecommunications Research Institute, Korea; FiberHome Technologies Group, China; Fujitsu Ltd., Japan; Huawei Technologies Co. Ltd., China; KDDI Corporation, Japan; KT Corporation, Korea; National Institute of Information and Communications Technology, Japan; NEC Corporation, Japan; NTT, Japan; NTT DOCOMO, Inc., Japan; Samsung Electronics Co., Ltd., Korea; SK Telecom Co., Ltd., Korea; ZTE Corporation, China; ITU/TSB.
