PCC.I/RES. 251 (XXVII-15)[1]

SEMINAR ON THE INTERNET OF THINGS (IoT) AND MACHINE-TO-MACHINE (M2M) COMMUNICATIONS

The XXVII Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

a) That Resolution CITEL RES. 225 (XXIV-14) established the structure and terms of reference for the Working Groups and Rapporteurships of PCC.I, including the structure of the Rapporteurship on Technological Innovation and Trends;

b) That in accordance with CITEL RES. 225 (XXIV-14) the mandate of the Rapporteurship on Technological Innovation and Trends is to conduct a forecasting analysis of technological evolution and trends in telecommunications and ICTs, including those related to IoT and M2M, in order to share information experiences and best practices with Member States,

RECOGNIZING:

a) That it is within the Terms of Reference of the Work Plan of the Rapporteurship on Technological Innovation and Trends to conduct activities for capacity building of Member States in technological trends in telecommunications and ICTs within CITEL; [2]

b) That it is also part of the Terms of Reference of the Work Plan of the Rapporteurship on Technological Innovation and Trends to establish liaisons with other standards bodies, industry organizations and others, as needed, in order to anticipate possible innovations in technologies and services,[3]

RECOGNIZING FURTHER:

That it is programmed within the Work Plan of the Rapporteurship on Technological Innovation and Trends to hold a seminar on M2M with participation from governments, the private sector, and other interested parties at the XXVIII CITEL PCC.I Meeting in 2016,[4]

CONSIDERING:

a) That CCP.I/RES. 216 (XXV-14) approved a survey to be circulated to CITEL Member States for their consideration and response aimed at assessing the status of any regulations and policy frameworks governing M2M, including the definition of M2M, specific regulations that have been established for M2M, potential fiscal incentives for the use of the technology, technology preference for M2M communications (e.g., over cellular network or over Wi-Fi technology), cross-border data transfer, as well as data privacy issues associated with M2M communications;

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[1] CCP.I-TIC/doc. 3709/15 rev. 1
[2] CCP.I-TIC/doc. 3386/14 rev.1.
[3] Id.
[4] Id.

b) That the Rapporteurship on Technological Innovations and Trends submitted a summary of the survey responses, and presented document CCP.I-TIC/doc. 3546r2 to the XXVI meeting of PCC.I, assessing the regulations and policy frameworks that govern M2M services, as well as gathering information on how these services are being deployed in CITEL Member States;

c) That CCP.I-TIC/doc. 3546/15 rev.2 drafted by the Rapporteurship on Technological Innovations and Trends concluded that CITEL Member States have generally adopted technology-neutral frameworks and policies that can enable cross-border M2M communications and services to continue to grow, though there are some divergent approaches that may hinder M2M deployment;

d) That the XXV and XXVI meetings of PCC.I have studied and evaluated various information documents that addressed technical and regulatory issues related to M2M communications,

RESOLVES:

1. To approve a full day Seminar on "The Internet of Things and Machine-to-Machine Communications - Approaches in the Americas," to take place on the Monday before the first day of the XXVIII Meeting of the Permanent Consultative Committee I: Telecommunications, Information and Communications Technology.

2. To designate the Co-Rapporteurs of the Rapporteurship on Technological Innovation and Trends, Ms. Amy Alvarez (AT&T), and Mr. Geraldo Neto (Qualcomm), as CITEL's contact points to coordinate the Seminar.

3. To approve the list of topics included in the Annex, as a starting point for discussions on the issues to be addressed during the Seminar.

4. To hold this seminar without cost to CITEL.

ANNEX TO RESOLUTION PCC.I/RES. 251 (XXVII-15)

TOPICS FOR SEMINAR

THE INTERNET OF THINGS AND MACHINE-TO-MACHINE COMMUNICATIONS APPROACHES IN THE AMERICAS

1. Overview on IoT/M2M communications, including evolving business models and the summarized information from the region

2. Requirements for IoT in terms of network infrastructure, numbering and addressing, performance, reliability, security and spectrum

3. Standards landscape

4. Regulatory implications of connected devices, including related to data privacy and management (bearing in mind not all data processed in the context of IoT is personal)

5. Policies to promote IoT/M2M deployment

6. Main applications and/or successful stories in the region
7. Best practices when implementing IoT/M2M
8. Conclusions and follow up actions