

**SEMINAR ON 5G: OPPORTUNITIES AND CHALLENGES IN THE AMERICAS**

The 38 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

**CONSIDERING:**

- a) That Resolution CITEL RES. 295 (XXXIII-18) 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, Digital Economy, Internet of Things, Smart Cities and Communities;
- b) That in accordance with CITEL RES. 295 (XXXIII-18) the mandate of the Rapporteurship on Technological Innovation, Digital Economy, Internet of Things, Smart Cities and Communities is to promote the discussion and exchange of information on aspects related to technological innovation and the digital ecosystem, in order to promote the development of the digital economy, the Internet of Things, and the Smart Cities

**RECOGNIZING:**

- a) That it is within the Terms of Reference of the Work Plan of the Rapporteurship on Technological Innovation, Digital Economy, Internet of Things, Smart Cities and Communities to conduct activities for capacity strengthening of the Member States in the technological trends of telecommunications and ICT.
- b) That it is also part of the Terms of Reference of the Work Plan of the Rapporteurship on Technological Innovation, Digital Economy, Internet of Things, Smart Cities and Communities to establish liaisons with actors of the digital economy ecosystem, such as operators, service providers, standards bodies and industry forums, as needed, in order to anticipate possible innovations in technologies and services.

**RECOGNIZING FURTHER:**

- a) That Work Plan of the Rapporteurship on Technological Innovation, Digital Economy, Internet of Things, Smart Cities and Communities calls for the continued collection and analysis of emerging new telecommunication/ICT technologies and their impact in the Americas region and beyond, with topics to include AI, IoT, ITS, SDN, M2M, LTE Broadcast and 5G technologies, in particular collecting information on the advancement of new technologies in networks in the different administrations of CITEL;
- b) That it is programmed within the Work Plan of the Rapporteurship on Technological Innovation, Digital Economy, Internet of Things, Smart Cities and Communities to hold a seminar on 5G infrastructure and services, including IoT/Smart Cities with participation from governments, the private sector, and other interested parties at the 40 PCC.I Meeting in 2022;

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<sup>1</sup> CCPI-TIC/doc. 5094/21 rev. 3

## **CONSIDERING:**

- a) That many Member States in the Americas region currently are or will be contemplating their respective national spectrum policy frameworks related to 5G deployment, including the allocation and licensing of spectrum;
- b) That several past meetings of PCC.I have studied and evaluated various information documents that addressed technical and policy issues related to 5G communications and the anticipated socio-economic benefits of applications enabled by these networks;

## **RESOLVES:**

1. To approve an extended half day (three sessions) Seminar on “5G: Opportunities and Challenges in the Americas,” to take place on the first day of the 40 Meeting of the Permanent Consultative Committee I: Telecommunications, Information and Communications Technology.
2. To hold this seminar without incurring any costs for CITEL.
3. To designate the Rapporteurs of the Rapporteurship on Technological Innovation, Ms. Amy Alvarez (AT&T), and Ms. Milene Franco Pereira (Qualcomm) as CITEL’s contact points to coordinate the Seminar.
4. 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.
5. Revoked the resolutions PCC.I/RES. 304 (XXXV-19) and PCC.I/RES. 310 (XXXVII-20)

### **ANNEX TO RESOLUTION PCC.I/RES. 313 (XXXVIII-21)**

#### **PRELIMINARY TOPICS FOR THE SEMINAR**

#### **5G: OPPORTUNITIES AND CHALLENGES IN THE AMERICAS**

1. Overview on 5G network evolution and technology, 5G standards
2. 5G Use Cases (Internet of Things/Smart Cities, Telehealth, etc...)
3. 5G Security Challenges and Best Practices
4. Deployment of 5G technologies in the Americas
5. Enabling Policies to Promote 5G and 5G Applications in the Americas Region
6. Conclusions and follow up actions