ORGANIZACION DE LOS ESTADOS AMERICANOS
ORGANIZATION OF AMERICAN STATES

Comisión Interamericana de Telecomunicaciones
Inter-American Telecommunication Commission

28 MEETING OF PERMANENT CONSULTATIVE COMMITTEE I: TELECOMMUNICATIONS/ INFORMATION AND COMMUNICATION TECHNOLOGIES
May 17 to 20, 2016
San Salvador, El Salvador

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FINAL REPORT

(Item on the Agenda: 6)

(Document submitted by the Secretariat of CITEL)

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FINAL REPORT

28 MEETING OF THE PERMANENT CONSULTATIVE COMMITTEE I:
TELECOMMUNICATIONS/INFORMATION AND COMMUNICATION TECHNOLOGIES
(PCC.I)

The 28 Meeting of the Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies was held in San Salvador, El Salvador, May 17 to 20, 2016.

I.   AGENDA [1]

1.   Approval of the agenda and calendar of activities.

2.   Establishment of the Drafting Group for the Final Report.

3.   Work Plan for PCC.I.

4.   Working Group reports and meetings:

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4.3   Working Group on Deployment of Technologies and Services (WGDTS)
4.3.1   Rapporteurship on Standards, conformity and interoperability
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4.3.3   Rapporteurship on Cybersecurity, vulnerability assessment and critical infrastructure
4.3.4   Rapporteurship on Telecommunication numbering, portability and addressing
4.3.5   Rapporteurship on Technological innovation and trends

4.4   Working Group for the Preparation and Follow-up of the WTSA, WCIT and WTDC (WGCONF)

4.5   Ad hoc Group for the implementation of ICTs as tools for the empowerment of women

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[1] CCP.I-TIC/doc. 3642/15

4.6 **Ad Hoc Group on the White Paper: telecommunications and ICTs to advance the fundamental pillars of the organization of American States: democracy, human rights, multidimensional security and integral development**

5. Agenda, site and date of the 29 Meeting of PCC.I.

6. Approval of the Final Report.

7. Other business.

II. AUTHORITIES OF THE MEETING

Chair of PCC.I: Mr. Gonzalo Ruiz Díaz (Peru)
Vice Chair of PCC.I: Mr. Edgard Rodas (El Salvador)
Vice Chair of PCC.I: Mr. Kenji Kuramochi (Paraguay)
Executive Secretary of CITEL: Mr. Oscar León (OAS)

Final Report Drafting Committee:

Chair: Juan Carlos Castro (El Salvador)

Members:
Canada: Luisa Páez
El Salvador: Eunice Letona, Paz Osegueda, Christian Cortez, Carlos Rodríguez and Rafael Arbizú.
United States of America
Peru: Sergio Cifuentes Castañeda
Uruguay: Adriana Bauzá

Participants:

   a. **Member States:**

   Belize, Canada, Colombia, Dominican Republic, El Salvador, Mexico, Paraguay, Peru, United States of America, Uruguay.

   Remote Participation (Adobe Connect):
   Argentina
   Brazil

   b. **Associate Members:**

   Argentina - Compañia ERICSSON
   Belgium - Mobile Manufactures Forum (MMF)
   Brazil - Qualcomm
   Brazil - Samsung Electronica da Amazonia LTDA
   Canada - Microsoft Canada
   Chile - Cisco Systems Chile
   Mexico - EUTELSAT Americas
   Mexico - ICONECTIV
   Paraguay - Compañia Paraguaya de Comunicaciones- COPACO
   United States of America - AT&T
   United States of America - GSMA Latin America
   United States of America - Internet Society
   United States of America - IRIDIUM
   United States of America - Tahoe Consulting Group
   Uruguay - Registro Regional de Direcciones de Internet para America Latina y Caribe (LACNIC)

C. CITEL Observers

Ibero-American Association of Telecommunications Research and Enterprises (ASIET)
Internet Corporation for Assigned Names and Numbers (ICANN)
International Amateur Radio Union- Region 2 (IARU-R2)
International Telecommunications Union (ITU)
Regional Commonwealth in the Field of Communications (RCC)

III. RESOLUTIONS

PCC.I/RES. 262 (XXVIII-16)[2]

MECHANISM FOR REMOTE PARTICIPATION BY THE MEMBER STATES IN THE MEETINGS OF PERMANENT CONSULTATIVE COMMITTEE I (PCC.I)

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

a)   That the Inter-American Telecommunication Commission (CITEL) is the advisory body of the Organization of American States (OAS) for all matters related to telecommunications/ICTs in the Hemisphere.

b)   That the Strategic Plan for 2014-2018, adopted at the Sixth Regular Meeting of the Assembly of CITEL, held in 2014, establishes as a strategic goal of CITEL "*Promoting greater and more active participation by the Member States of CITEL and all actors of the telecommunication/ICT sector in the activities of CITEL,*" and, as a specific target "*To increase member participation in the activities of CITEL and increase associate members*";

c)   That one of the functions of CITEL is to identify mechanisms to encourage participation by all Member States in the meetings of CITEL, and to increase the number of associate members;

d)   That, in accordance with Article 90.3 of the Regulations of CITEL, adopted at the fourth plenary session of the forty-fourth regular session of the General Assembly of the Organization of American States (OAS), the Permanent Consultative Committees (PCCs) may adopt resolutions, decisions, or recommendations by correspondence, applying such procedures as may be established by COM/CITEL;

e)   That Article 96.10 of those Regulations provides that the plenary of the PCC shall adopt the resolutions or recommendations of the Working Groups by consensus and with the presence of at least one-third of its members; those measures can be adopted also by electronic means provided that there are not negative answers;

RECOGNIZING:

a)   That Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I) advises CITEL on matters related to standardization, international public policy on the Internet, universal service, economic and social development, environment and climate change, infrastructure development, quality of services, and new technologies;

b)   That the structure of PCC.I includes Working Groups (i) on Policy and Regulation; (ii) on Development; (iii) on Deployment of Technologies and Services; and (iv) to prepare for and follow up on WTSA, WCIT, and WTDC;

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[2] CCP.I-TIC/doc. 3953/16 rev. 1

c)   That by resolution COM/CITEL/RES. 270 (XXXI-15), the Executive Secretary of CITEL is instructed to coordinate with the host countries of upcoming PCC meetings in order to organize pilot sessions, taking account of aspects such as the implementation of technical facilities using electronic means; and promoting equal treatment of all participants, taking into account aspects such as simultaneous interpretation and the possibility of interventions, among others.

d)   That document CCP.I-TIC/doc. 3887/16 contains guidelines for the pilot project on remote participation during events of the 28 Meeting of PCC.I;

e)   That it is advisable to promote remote participation, through the use of electronic media, by those Member States that are unable to attend on-site meetings of the PCCs;

BEARING IN MIND:

a)   That by resolution PCC.I/RES. 232 (XXV-14), procedures were adopted for the presentation and modification of Inter-American proposals for the World Telecommunication Standardization Assembly (WTSA), the World Conference on International Telecommunications (WCIT), and the World Telecommunication Development Conference (WTDC);

b)   That mechanisms must be envisaged to ensure the support of the Member States that participate remotely in the meetings of PCC.I, for the draft inter-American proposals (Draft IAPs) and inter-American proposals (IAPs) for the World Telecommunication Standardization Assembly (WTSA), to be held in Yasmine Hammamet, Tunisia, from October 25 to November 3, 2016;

RESOLVES:

1.   To authorize the Member States that participate remotely, as a pilot initiative, in the 28 Meeting of PCC.I organized pursuant to resolution COM/CITEL/RES. 270 (XXXI-15), to:

   a)   Present and/or support draft resolutions, draft recommendations, and draft decisions of the Working Groups of PCC.I for their approval during meetings of the Working Groups or at plenary sessions.

   b)   To present and/or support draft inter-American Proposals (DRAFT IAPs) and inter-American Proposals (IAPs) for the World Telecommunication Standardization Assembly (WTSA) in ways complementing that stipulated in resolution PCC.I/RES. 232 (XXV-14).

2.   To instruct the Executive Secretary of CITEL to adopt any mechanisms he deems necessary for the accreditation of the Member States that participate remotely in the meetings of PCC.I and to draft an evaluation report and disseminate it to all delegations, with the aim of exercising the authorities established in *Resolves* 1 hereof.

PCC.I/RES. 263 (XXVIII-16)[3]

COMPLETION OF TECHNICAL NOTEBOOK 23: CONFORMANCE AND INTEROPERABILITY

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

a)   That Conformance and Interoperability discussions have been ongoing within the Working Group on Deployment of Technologies and Services (WGDTS) since early 2010;

b)   That the ongoing mandate of the Rapporteur Group on Standards, Conformance and Interoperability includes:

  i)   studying ICT standards development activities and the conformance of products and network deployments to ICT standards,

  ii) focusing on the continued evolution toward converged networks with the intent to ensure interoperability of network equipment, networks, and services and,

  iii) producing documentation (e.g., Technical Notebooks) that facilitate information sharing and raises awareness of the standards development, conformity assessment and interoperability activities that best serve the current and future needs of the users of these networks throughout the Region;

c)   That, since 2010, successive CITEL PCC.I meetings have examined C&I in the Americas Region (testing programs, IAP development) as well as the progress of the CIT Program at the ITU, and

d)   That CITEL IAPs on Conformance and Interoperability were forwarded to two ITU Plenipotentiary Conferences (PP-10, Guadalajara October 2010; PP-14, Busan October 2014) and WTSA-12 (Dubai: November 2012), and that the IAPs were based on discussions of C&I issues in the Americas Region,

RECOGNIZING:

a)   That ITU representatives have provided a number of presentations to PCC.I on the content and progress of the ITU Conformance and Interoperability Programme and these presentations have detailed the ITU's interoperability consultation meetings, conformity assessment program, interoperability events program, capacity building and testing facilities in developing countries, and the development of a CIT business plan;

b)   That there have been very few recent contributions to this Notebook from the Americas Region regarding interoperability issues, conformance to standards, or testing programs, and

c)   This Technical Notebook has served the purpose for which it was created,

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[3] CCP.I-TIC/doc. 3969/16

RESOLVES:

a)   To close Technical Notebook No. 23: "Conformance and Interoperability", and

b)   To encourage the Member States and Associate Members to continue to share information on Regional issues of Conformance and Interoperability

PCC.I/RES. 264 (XXVIII-16)[4]

EN BLOC ENDORSEMENT OF UPDATED REFERENCE TEXTS FOR STANDARDS PREVIOUSLY ENDORSED BY CITEL PCC.I

The 28th Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

a)   That the Working Group on Deployment of Technologies and Services (WGDTS) has addressed a large number of different technologies as part of its studies of ICT standards for Next Generation Networks (NGN), Services, Signaling, and Operations as they relate to the service access needs of the Americas;

b)   That CITEL PCC.I, over the past 15 years, has endorsed 23 key ICT standards that are especially relevant to and applicable for deployment in the networks of the Americas Region;

c)   That ICT technologies continue to evolve and adapt as well as the standards defining those technologies;

d)   That the WGDTS, as part of its mandate, has continued to monitor the work of the ITU-T and the IETF (Internet Engineering Task Force) among other standards development organizations,

RECOGNIZING:

a)   That each standard previously endorsed by CITEL PCC.I is referenced by a specific version of a specific standards text - completed and in force at the time of endorsement;

b)   That, in most cases, the CITEL PCC.I Resolutions endorsing these standards include the instruction to monitor and determine the continued support for the standard as it evolves;

c)   That a document detailing revisions and updates to these previously endorsed standards was submitted to the last meeting of PCC.I (XXVII Meeting; September 2015; Doc-3776) and that the WGDTS was encouraged to find a means of updating these referenced standards, and

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[4] CCP.I-TIC/doc. 3972/16

d)   That some of these endorsed standards have versions that supersede the original text,

RESOLVES:

To endorse "en bloc" the latest versions of standards previously endorsed by CITEL PCC.I, as referenced in the Annex to this Resolution, and replace the superseded versions in the endorsed standards reference listing,

INSTRUCTS:

1.   The Working Group on Deployment of Technologies and Services to continue to review standards previously endorsed for the Americas and to monitor the evolution of these technologies and related standards,

2.   The Working Group on Deployment of Technologies and Services to continue to review the ongoing ICT standards activities of global and regional standardization development organizations, to determine the applicability for the Americas as this work evolves, and to provide additional recommendations for endorsing standards that meet customer demands for multimedia and other innovative services.

ANNEX TO RESOLUTION PCC.I/RES. 264 (XXVIII-16)

**UPDATED REFERENCES FOR
STANDARDS PREVIOSLY ENDORSED BY CITEL PCC.I**

[Note: This table contains 9 of the current list of 23 endorsed standards]

Standard	Resolution	Date	Status
ITU-T Recommendation H.248 "Gateway Control Protocol"	PCC.I/RES.104 (XIV-01)	March 2001	New Version Available
H.248.1 v3 (03/2013) In force H.248 (06/2000) Superseded			
ITU-T Y.1541 "Network Performance Objectives for IP-Based Services (SG13)	PCC.I/RES. 155 (XVI-02)	May 2002	New Version Available
Y.1541 v3.1 (2011) Amd. 1 (12/2013) In force Y.1541 v3 (12/2011) **In force** Y.1541 (05/2002) Superseded			

ITU-T Y.20xx-Series Recs. for NGN (SG13)	PCC.I/RES. 25 (III-03)	Sept 2003	New Version Available

Examples:

Y.2001: General overview of NGN **(12/2004) In Force**

Y.2007: NGN capability set 2 **(01/2010) In Force**

Y.2011: General principles and general reference model for Next Generation Networks **(10/2004) In Force**

Y.2012: Functional requirements and architecture of next generation networks **(04/2010) In Force**

Y.2021: IMS for Next Generation Networks **(09/2006) In Force**

Y.2025: Functional architecture of the next generation network service integration and delivery environment **(07/2012) In Force**

Y.2091: Terms and definitions for next generation networks **(03/2011) In Force**

ITU-T Recommendation Q.1741.2 "GSM Evolved UMTS Core Network with UTRAN Access Network"	PCC.I/RES. 28 (III-03)	Sept 2003	New Version Available

ITU-T Recommendation ITU-T Q.1741.9 (06/2015) Release 11 In Force

ITU-T Recommendation Q.1742.2 "ANSI-41 Evolved Core Network with CDMA2000 Access Network"	PCC.I/RES. 27 (III-03)	Sept 2003	New Version Available

ITU-T Recommendation Q.1742.11 **(04/2014) In Force**

ITU-T Recommendation H.323 "Packet-Based Multimedia Communications Systems"	PCC.I/RES. 44 (IV-04)	March 2004	New Version Available

H.323 v7 (12/2009) In force
H.323 (07/2003) Superseded

ITU-T Rec. G.993.2, VDSL2: Very High Speed DSL-2 Transceivers	PCC.I/RES. 98 (IX-06)	Sept 2006	New Version Available

ITU-T G.993.2 (1/2015) In Force
ITU-T G.993.2 (2/2006) Superseded

ITU-T Rec. J.122, "Second-Generation Transmission Systems for Interactive Cable Television Services – IP Cable Modems"	PCC.I/RES.99 (IX-06)	Sept 2006	New Version Available

J.122 (12/2007) In force
J.122 (12/2002) Superseded

E.164 to Uniform Resource Identifiers (URI) Dynamic Delegation Discovery System (DDDS) Application (ENUM)	PCC.I/RES. 116 (XI-07)	Sept 2007	New Version Available

RFC 3761 (was draft-ietf-enum-rfc2916bis)   2004-04

Obsoleted by:
- **RFC6116**   The E.164 to Uniform Resource Identifiers (URI) Dynamic Delegation Discovery System (DDDS) Application (ENUM) (was draft-ietf-enum-3761bis)   Proposed Standard RFC   2011-03
- **RFC6117**   IANA Registration of Enumservices: Guide, Template, and IANA Considerations   (was draft-ietf-enum-enumservices-guide)   2011-03   Proposed Standard RFC

PCC.I/RES. 265 (XXVIII-16)[5]

CREATION OF THE PREPAREDNESS COORDINATION GROUP IN EMERGENCY TELECOMMUNICATIONS FOR THE AMERICAS

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

a)   That recently, disasters such as earthquakes, hurricanes, tsunamis and others, have increased significantly in frequency and scale, causing great concern in the region of the Americas and the world, causing loss of human life and damage to properties.

b)   That within the strategic plan of CITEL for 2014-2018 on specific goals, in addition to the full terms of COM/CITEL, PCC.I and PCC.II particularly in its paragraph 8, it provides support disaster preparedness and serve as a means for Member States to channel their telecommunications needs with regard to early warning, mitigation and recovery from natural disasters.

c)   The Inter-American Telecommunications Commission (CITEL), has as part of its functions to act as the principal advisory organ of the Organization of American States (OAS) in all matters related to telecommunications / ICT policy in the Hemisphere.

d)   That CITEL also has as part of its role, to make recommendations on telecommunications / ICT to the governments of the Member States of CITEL, especially those ones made by the ITU, and other related organizations.

RECOGNIZING:

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[5] CCP.I-TIC/doc. 3879/16 rev. 2

1) That CITEL has held significant events on Emergency Telecommunications, and has approved several resolutions and decisions directed to present solutions and recommendations in the emergency communications.

2) That the Rapporteurship of PCC.I of Disaster Prevention, Response and Mitigation, PCC.I approved / RES. 255 (XXVII- 15) of Emergency Communications - ongoing activities and possible next steps for regional action.

3) That after the earthquake in Haiti in 2010, PCC.I / approved the draft recommendation REC 6 (XVI -10) the adoption of measures for the establishment of the installation procedure of minimum communication equipment in times of natural disasters.

GIVEN:

1) That the General Secretariat of the OAS, within its plans Strategic Initiatives plan, has decided to give priority to the Natural Disaster Assistance to countries in the region.

2) That administrations experiencing disasters or major emergencies have asked the Executive Secretariat of CITEL for emergency assistance in telecommunications, among other things.

RESOLVES:

a) The CITEL Secretariat will serve as a focal point for greater preparedness and capacity building, and will create opportunities for voluntary collaboration and coordination among administrations and with other institutions when disasters strike.

b) To instruct the CITEL Secretariat to circulate the "Roster of Experts" (CCP.I-TIC/doc.3913/16)) to all administrations, requesting that each administration list individuals who are either seeking experience in priority areas of disaster preparedness and response or who have experience. The CITEL Secretariat will then compile these results.

c) To approve the formation of a voluntary Coordination Group on Emergency Telecommunications Preparedness which will review Roster responses to identify potential gaps in emergency communications preparedness, then identify organizations with expertise in disaster preparedness and response, including the ITU and operational technology responders, then design educational and capacity building opportunities, to be delivered by conference call/webex, seminars and in the form of exercises.

d) The CITEL Secretariat will develop a mechanism to hold pilot "situational awareness" calls in case of Disaster which will be activated at the request of an administration in emergency situations. These calls will be voluntary and will enable all interested parties to learn of network conditions and needs from the administration, to offer assistance, or to make needs known to others.

e) The Preparedness Coordination Group will report on its activities and obtain feedback in meetings of the Rapporteurship of Disaster Prevention, Response and Mitigation, Working Group on Development (WGD) and in coordination with the Executive Secretariat of CITEL.

f) Membership in the Preparedness Coordination Group shall be voluntary, a composed of members from across the region.

g)   This Preparedness coordination group on emergency telecommunications, to better prepare administrations to enable communications when disasters strike, will have the following functions:

1.   Introduce Member States coordinating telecommunications preparedness and mitigation measures to the different institutions, authorities or commissions who might assist.

2.   To examine or study from administration responses to the "Roster of Experts" the types of capacity building that Member States are interested in and set priorities for activities, training and exercises to build greater emergency telecommunications preparedness, in coordination with ITU efforts.

3.   With the support of the CITEL Secretariat, establish "Experts E-mail" groups for 1) Preparedness and 2) Response, to enable CITEL administrations to engage one another to increase preparedness and to offer assistance following a disaster.

4.   The Group may invite, for support or cooperation, specialists or institutions with specific expertise to participate in capacity building activities, trainings, seminars, exercises or workshops, as needed.

5.   Keep CITEL informed on preparedness and capacity building activities and make an annual report of the work done.

6.   Perform any other activity related to emergency telecommunications preparedness activities indicated by CITEL and member administrations.

h)   Request the Executive Secretary to send this Resolution to Member States and Associate Members.

PCC.I/RES. 266 (XXVIII-16)[6]

IDENTIFICATION OF FREQUENCIES FOR TERRESTRIAL RADIOCOMMUNICATIONS IN THE AMERICAS REGION FOR DISASTERS

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

a)   That a variety factors need to be considered in the planning of emergency communications, among them, the return network, network redundancy, the frequency spectrum, and human capital training.

b)   That use of the radio spectrum in terrestrial radiocommunication services is essential in disasters for the coordination of assistance and humanitarian aid.

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[6] CCP.I-TIC/doc. 3880/16 rev. 1

c)   That some recommendations exist, such as Recommendation PCC.II/REC. 20 (VIII-06), "Measures to Ensure the Availability of GMPCS during Emergencies and Natural Disasters."

d)   That the region is continually struck by natural disasters, such as earthquakes, hurricanes, and floods, causing disruption in countries, which may take several years to recover and return to normality,

e)   That to be noted in that regard is the significant increase in seismic movements in the region and worldwide, leading to heavy loss of life and major property damage. According to the United States Geological Survey (USGS), in one month, 163 seismic movements above magnitude 4.5 were recorded, the most significant being:

MAGNITUDE	COUNTRY	DATE
7.80	ECUADOR	4/16/16
6.90	BURMA	4/13/16
6.60	AFGHANISTAN	4/10/16
6.40	VANUATU	4/14/16
6.20	JAPAN	4/14/16
6.10	GUATEMALA	4/15/16
6.10	ECUADOR	4/20/16
6.00	JAPAN	4/14/16
5.70	JAPAN	4/16/16

RECOGNIZING:

a)   That CITEL has adopted a series of documents on, for example, workshops and resolutions, as well as draft decisions, in an effort to identify solutions and recommendations on emergency communications, such as:

- PCC.I/RES. 256 (XXVII-15), "Emergency Communications – Ongoing Activities and Potential Next Steps for Regional Action – For consideration of the PCC.I Rapporteurship on Disaster Prevention, Response and Mitigation"

- PCC.I/RES. 168 (XVII-10), "Seminar and On-line Workshops on the Use of Telecommunications in the Prevention and Mitigation of Catastrophes and Disaster"

- PCC.I/REC. 6 (XVI-10), "Adoption of Measures to Establish Procedures for Installing Minimum Communication Equipment at Times of Natural Disasters"

b)   That some of the bands most commonly used at the international level for terrestrial radiocommunication services are the VHF band and the UHF band.

c)   That at the last meeting of PCC.I, held from September 22 to 25, 2015, in Washington, D.C., the need was established to develop a regional "Roster of Disaster Experts," which would help identify contacts, but also facilitate direct interaction and collaboration among members of CITEL by making it possible for members to contact colleagues directly for their assistance at all phases of emergency communications, among other measures,

BEARING IN MIND:

a)   That Recommendation ITU-R M.1826 establishes the harmonized frequency channel plan for broadband public protection and disaster relief operations at 4 940-4 990 MHz in Regions 2 and 3,

b)   That Recommendation ITU-R M.2015-1 (02/2015) establishes frequency arrangements for public protection and disaster relief radiocommunication systems in UHF bands in accordance with Resolution 646 (Rev.WRC-12),

c)   That, nonetheless, there is ongoing need to establish regionally harmonized frequency arrangements for the implementation of cutting edge solutions for public protection and relief operations,

d)   That the identification of the available frequencies in each administration in which equipment could operate, and any other relevant instruction or procedure, could facilitate compatibility and interoperability through mutual cooperation and consultation, especially in emergencies and relief operations in case of national, regional, and cross border disasters,

e)   That, within CITEL, Permanent Consultative Committee II: Radiocommunications (PCC.II) is the body charged with the planning, coordination, harmonization, and efficient use of the radio spectrum, and of geostationary and non-geostationary satellite orbits, for radiocommunication services, including broadcasting.

RESOLVES:

1.   To urge the Member States to identify radiocommunication frequencies for use in disasters in the Region 2 countries.

2.   To request PCC.II to examine and study different options for the identification of a series of bands or frequencies for disaster telecommunications in "Region 2."

3.   To request PCC.II to report to PCC.I at its next meeting on the progress, recommendations, and/or conclusions of the requested examination and study for the identification of a series of bands or frequencies for disaster telecommunications in "Region 2," as indicated in *resolves 2*.

4.   To instruct the Executive Secretary of CITEL to forward this resolution to PCC.II so that it can analyze the corresponding request, given the importance of duly harmonized spectrum in the Region for disaster telecommunications.

PCC.I/RES. 267 (XXVIII-16)[7]

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[7] CCP.I-TIC/doc. 3940/16

MODIFICATION OF ACTIVITIES CONTAINED IN THE ANNEX TO RESOLUTION PCC.I/RES. 258 (XXVII-15), "2016-2018 ROADMAP FOR THE DEVELOPMENT OF PROJECTS, HUMAN AND FINANCIAL RESOURCES TO PROMOTE WOMEN'S ACCESS, USE AND LEADERSHIP IN ICT DEVELOPMENT"

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

RESOLVES:

1.   To modify activities Nos. 3, 4, 5, 6, and 9 contained in Section 2 of the Annex to resolution PCC.I/RES. 258 (XXVII-15), which contains the implementation periods for the 2016-2018 Roadmap for the development of projects, human and financial resources to promote women's access, use and leadership in ICT development, adopted at the XXVII Meeting of PCC.I, in Washington, D.C., as indicated in the highlighted version contained in the Annex hereto.

2.   To instruct the Secretariat of CITEL to update the Roadmap established in the Annex to the above-mentioned resolution.

ANNEX TO RESOLUTION PCC.I/RES. 267 (XXVIII-16)

2. Activities

Activity No. 1:

Establishing the means for coordination between CITEL and the CIM

Implementation date: first quarter of 2016

Activity No. 2:

Developing the terms of reference to prepare a status report in collaboration with the OAS Inter-American Commission of Women (CIM). This report would serve to inform and enrich opportunities for dialogue at the political and technical levels, both within CITEL and between CITEL and its members and/or other organizations and sectors. The outcomes of this study will provide guidelines, policy recommendations and strategies to guide the implementation of this roadmap for CITEL and advance a gender and women's rights perspective throughout the agenda of CITEL and the governing bodies/ICT regulators, taking into account regional and global progress and approaches on the subject (ECLAC, ITU, UNESCO, World Bank, IDB, etc.), which in turn should guide strategic alliances with these organizations to support implementation of the strategy within CITEL.

Implementation date: first quarter of 2016. Should be approved at the first meeting of PCC.I in 2016.

Activity No. 3:

Fundraising, drawing up inter-agency agreements with donors and selecting a consultant to develop the status report.

Implementation date: second, third, and fourth quarters of 2016

Activity No. 4:

Take steps for coordination with the Mechanism to Follow up on the Convention of Belém do Pará (MESECVI) to achieve the inclusion of the topic of Women and ICTs in the Third Multilateral Evaluation Round of the Follow-up Mechanism of the Convention of Belem do Para (MESECVI), in order to collect information and identify promising practices in: i) the use of ICTs to address and prevent violence against women; and ii) specific forms of harassment and violence against women perpetrated through ICTs.

Implementation date: second, third, and fourth quarters of 2016

Activity No. 5:

Preparing the status report

Implementation date: first quarter of 2017

Activity No. 6:

Organizing a seminar to present the outcomes of the status report to validate the proposed strategy and to reinforce and strengthen the institutional capacities of the bodies responsible for telecommunications so as to effectively integrate a perspective of gender equality and women's rights into ICT policies and strategies, and to foster and advance the strategic use of ICTs as a tool to promote gender equality. In addition, consider the organization of a meeting of subject matter experts to validate the report outcomes, not only with PCC.I representatives but also with renowned experts in women's issues and ICTs.

Implementation date: second meeting of PCC.I in 2017

Activity No. 7:

Promoting an exchange of experiences, practices and lessons learned, especially with regard to ICT policies and projects that are sensitive to a gender and rights approach and that have been implemented in the workspaces of CITEL with regional and international subject matter experts.

Implementation date: 2016 to 2018

Activity No. 8:

Establishing means for exchange among telecommunications governing bodies in CITEL countries, civil society organizations and the academia to promote institutional capacity building among the agencies responsible for telecommunications, so as to effectively integrate a perspective of gender equality and women's rights in ICT policies and strategies, and to foster and advance the strategic use of ICTs as a tool to promote gender equality.

Implementation date: 2016-2017-2018

Activity No. 9:

Preparing a resolution to be presented to the next CITEL Assembly for approval of the CITEL gender strategy.

Implementation date: 2018

PCC.I/RES. 268 (XXVIII-16)[8]

IMPLEMENTATION OF RECOMMENDATION ITU-D 19 FOR THE AMERICAS REGION

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING

a)   That it is of vital importance that, within the Member States, indigenous communities and remote rural areas, as well as other physically or socially vulnerable sectors, have telecommunication/information and communication technology (ICT) services to facilitate their economic, social, and cultural development.

b)   That it is necessary to ensure the equitable implementation of telecommunication/ICT services, which promote sustainable socioeconomic development and minimize poverty and the social inequalities of remote rural and indigenous communities.

c)   The despite Member State efforts of earlier years, the gap in telecommunication/ICT services persists, and many rural and indigenous communities do not have accessible and affordable telecommunications and ICTs.

d)   That as shown by the experience in this area of different innovative countries of the region, the development of telecommunication/ICT infrastructure in rural and remote areas by small nonprofit operators or by the indigenous and rural communities themselves ensures the availability of affordable and accessible services through the identification of effective, innovative, and affordable solutions.

e)   That in the Region, some countries have now made headway in implementing innovative social coverage alternatives based on Recommendation ITU-D 19.

f)   That the implementation of Recommendation ITU-D 19 shows that support for small nonprofit community operators through appropriate regulatory measures and adequate spectrum planning and management has yielded multiple economic and social benefits for remote rural and indigenous populations, since the availability of telecommunications services and ICT applications contributes significantly to improving the population's quality of life, maximizes societal well-being, increases productivity, conserves resources, and contributes to safeguarding human rights.

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[8] CCP.I-TIC/doc. 3877/16 rev. 5

RECOGNIZING

a)   That an environment propitious to the development of telecommunications/ICTs necessarily requires appropriate policies and conditions to enable small operators and communities to contribute through actions to the provision of services by their own means, as established in Article 16 of the United Nations Declaration on the Rights of Indigenous Peoples.

b)   That Recommendation ITU-D 19 sets out essential elements related to radio spectrum planning and management, as well as access to essential telecommunication infrastructure that enables communities and small operators to meet their demands for connectivity.

c)   That some countries of the Region have made major efforts to implement Recommendation ITU-D 19, so that it is important to ascertain their results and experiences, and to systematize, disseminate, and enrich them with the aim of generating, coordinating, and harmonizing at the regional level an optimal framework for the implementation of that Recommendation.

d)   That the Connect 2020 Agenda of the member countries of the International Telecommunication Union (ITU), adopted at the 2014 Plenipotentiary Conference, especially Goal 2, "Inclusiveness—Bridge the Digital Divide," and Goal 4, "Innovation and Partnership," call for collaborative actions for their achievement.

e)   That Goal 4 of the Connect 2020 Agenda indicates that that it is necessary to ensure that innovations and experiences of other countries can be shared and utilized by other members.

RESOLVES

1.   That coordinated actions be promoted for the implementation of Recommendation ITU-D 19 in the Americas Region by means of:

a)   Documentation, systematization, sharing, and dissemination of results and experiences of national initiatives related to the implementation of Recommendation ITU-D 19 as it pertains to the development of small nonprofit community operators that serve the communications needs of these areas.

b)   The conclusion of agreements for collaboration and support actions with participation by multi stakeholders for the generation of pilot projects related to the above-mentioned aspects of Recommendation ITU-D 19.

c)   The identification radio spectrum normative and management models that are appropriate for the implementation of the above-mentioned aspects of Recommendation ITU-D 19.

d)   Support to draw up public policies in line with Recommendation ITU-D-19, enabling the recognition and sustainability of not-for-profit community initiatives in accordance with OAS standards for Freedom of Expression.

INSTRUCTS

1.	The Working Group on Development, to invite the Member States to contribute to the documentation, systematization, sharing, compilation, and dissemination of experiences of countries of the Region in implementing the above-mentioned aspects of Recommendation ITU-D 19.

2.	The Executive Secretariat of CITEL to encourage activities for cooperation and collaboration between Member States and the Regional Bureau, and the collaboration of the multi stakeholders, for the coordinated actions to which Resolves 1 refers, and to submit a follow-up report on the implementation of this resolution.

INVITES

1.	The Member States to collaborate in the implementation of this resolution.

PCC.I/RES. 269 (XXVIII-16)[9]

WORKSHOP ON DIGITAL INCLUSION AND MEANINGFUL BROADBAND ADOPTION IN THE AMERICAS

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

a)	That the 31 Meeting of the Permanent Executive Committee of CITEL (COM/CITEL) in 2015 adopted COM/CITEL/RES. 268 (XXXI-15) "Support from CITEL for the Implementation of the Outcomes of the Seventh Summit of the Americas" and promotes within the framework and work plans of the appropriate CITEL working group(s) the access and increase in adoption of broadband services and deployment of broadband infrastructure;

b)	That the same COM/CITEL Res. 268 supports the goal of the Global Connective Initiative to bring 1.5 billion new Internet users online by 2020, including its principles to achieve Internet connectivity;

c)	That to be able to realize projects in the region, it is advisable to have up-to-date information on the areas of action and lines of funding that regional and international organizations have available for the development of telecommunications;

RECOGNIZING:

a)	The while considerable progress has been made, the digital divide persists in many places in the Americas region;

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[9] CCP.I-TIC/doc. 3826/16 rev. 2

b)   That according to the 2016 World Bank Report on Digital Dividends, in Latin America, fewer than 1 in 10 poor households is connected to the Internet;

c)   That advancing access to broadband and increasing adoption of broadband services and deployment of broadband infrastructure supports economic and social growth and opportunity in the region and is essential to reduce the digital divide and technological gap within societies;

d)   That it is within the Terms of Reference of the Work Plan of the Rapporteurship on Broadband for Universal Access and Social Inclusion to conduct activities related to information sharing and capacity building of Member States related to broadband service and infrastructure deployment within CITEL;

e)   That it is also part of the Terms of Reference of the Work Plan of the Rapporteurship on Broadband for Universal Access and Social Inclusion to provide recommendations and best practices regarding broadband deployment and use for reducing the digital divide and increasing development benefits, "digital dividends," from using the broadband technologies.

f)   That in recent years, it can be observed various examples in countries of the region , policies oriented to deploy transport backbones in order to deliver broadband to rural and isolated areas,

g)   That in some regions there is a need and the opportunity of interconnecting the national backbone networks in order to facilitate the connectivity and make possible the integration of national backbone networks of a country with another country.

RESOLVES:

1.   To approve a full day Workshop on "Digital Inclusion and Meaningful Broadband Adoption in the Americas," to take place on the Monday before the first day of the 29 Meeting of the Permanent Consultative Committee I: Telecommunications, Information and Communications Technology.

2.   To designate Michele Wu-Bailey from the United States, Carlos Sanchez from Peru, and Solana de Aspiazu from Argentina, as CITEL's contact points to coordinate the Workshop.

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.

ANNEX TO RESOLUTION PCC.I/RES. 269 (XXVIII-16)

TOPICS FOR WORKSHOP

DIGITAL INCLUSION AND MEANINGFUL BROADBAND ADOPTION IN THE AMERICAS

1. Policies to promote deployment of broadband infrastructure including through regulatory and market reforms, public private partnership, universal service funds, and innovative fixed and mobile technologies that expand the reach of broadband networks

2. Spectrum planning to advance broadband adoption

3. Successful experiences in the deployment of National Transport Networks and regional initiatives for interconnecting Backbone Networks

4. Policies promoting broadband application and use including e-commerce, e-health, e-government, emergency and disaster relief, mobile banking, and availability of over the top services (OTT) that stimulate demand for broadband services

5. Best practices and/or successful examples from the Americas region

6. Work methods, lines of action and financing mechanisms and procedures of financing institutions for the implementation, sustainability and support of regional projects

7. Conclusions and follow up actions/compilation of information

PCC.I/RES. 270 (XXVIII-16)[10]

PROPOSAL: CITEL INDEX ON BROADBAND DEVELOPMENT
IN THE AMERICAS REGION

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

a)   That, among the objectives of the Strategic Plan of the Inter-American Telecommunication Commission (CITEL) for 2014-2018, there are the following: an increase in the penetration and coverage of telecommunication / ICT services and devices, improvement in affordability of access to these services or devices, bridging the digital divide, among others;

b)   That, as part of the goals of the above-mentioned Strategic Plan, there is the building of indicators, as well as the identification and recommendation of best practices, to measure the progress made in achieving the objectives indicated in the first subparagraph;

c)   That the indices that are currently available show evidence of certain constraints such as subjectivity or the scoping of some of their indicators (for example, using the opinion of experts, failure to consider indicators of affordability or quality), the use of large volumes of information, the inclusion of indicators associated with markets that have gradually lost their share of private or public investments aimed at steering society toward a digital world (that is, fixed telephony), among others;

d)   That several of the indices that are currently available are not directly connected with the objectives and goals of CITEL's Strategic Plan.

RECOGNIZING:

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[10] CCP.I-TIC/doc. 3836/16 rev. 4

a)   That the proposal submitted by the Administration of Peru to have three (3) indices that calculate the dimension of the insertion of the countries of the Americas into the digital age, has advantages over current indices in terms of scoping, information requirements, and ease of calculation, in addition to keeping a close connection with the objectives and goals of CITEL's Strategic Plan.

b)   That drawing up a pilot study on the results of the proposed indices would be useful for the regulators and policymakers of CITEL member states.

c)   That the quantification of proposed indices entails calculating various indicators using official information from member states.

RESOLVES:

1.   To request member states to process the questionnaire attached herewith in the Annex to the present Resolution by the 29th Meeting of PCC.I for the purpose of gathering official and systematic information on the indicators needed to highlight broadband development in the Americas Region.

2.   To instruct the Executive Secretary to distribute the questionnaire attached herewith in the Annex to member states so as to obtain information about the indicators for each member state.

3.   To instruct the Rapporteurship on economic aspects of telecommunications / ICTs services to compile information based on the results of the questionnaire and to present the results of the pilot study at the 30th Meeting of PCC.I.

ANNEX TO RESOLUTION CCP.I/RES. 270 (XXVIII-16)

Questionnaire

Country:
Name of the person completing the questionnaire:
Position / Name of the organization:
Email / Contact number:

For questions 1 to 14, tick the answer (mark with an X) as relevant:

1. Is there a National Broadband Development Plan established by the State?

    a. No:___
    b. Yes:____   → Year published:

    Source of information:

    Remarks you consider relevant to mention:

2. Is there any policy for reducing or eliminating the sales tax (or providing subsidies) to promote the adoption of fixed or mobile Internet service in homes and for persons?

    a. No:___
    b. Yes:____   → Year implemented:

    Source of information:

    Remarks you consider relevant to mention:

3. Are there obligations to provide residential fixed broadband services coverage?

    a. No:___
    b. Yes:____   → Year implemented:

    Source of information:

    Remarks you consider relevant to mention:

4. Are there obligations to provide mobile broadband service coverage?

    a. No:___
    b. Yes:____   → Year implemented:

    Source of information:

    Remarks you consider relevant to mention:

5. Is there any policy that brings special benefits to localities of priority social interest or rural localities?

    a. No:___
    b. Yes:____   → Year implemented:

    Source of information:

    Remarks you consider relevant to mention:

6. Is there any specific rule or regulation for the functioning of community or not-for-profit operators focusing on localities of priority social interest or rural localities?

a. No:___
b. Yes:____ → Year implemented:

Source of information:

Remarks you consider relevant to mention:

7. Is there any spectrum allocation or distribution for the functioning of community or not-for-profit operators focusing on localities of priority social interest or rural localities?

   a. No:___
   b. Yes:____ → Year implemented:

   Source of information:

   Remarks you consider relevant to mention:

8. Apart from the policies mentioned in questions 1 to 4, is there any other government policy you consider relevant to mention in your country?

   a. No:___
   b. Yes:____ → Year implemented:

   Source of information:

   Remarks you consider relevant to mention:

9. Does your country have rules or regulations on Internet service quality?

   a. No:___
   b. Yes:____ → Year implemented:

   Source of information:

   Remarks you consider relevant to mention:

10. Has your country implemented local number portability (LNP) for landlines?

   a. No:___

b. Yes:____ → Year implemented:

Source of information:

Remarks you consider relevant to mention:

11. Has your country implemented mobile number portability (MNP)?

    a. No:___
    b. Yes:____ → Year implemented:

    Source of information:

    Remarks you consider relevant to mention:

12. Does your country have rules or regulations for mobile virtual network operators (MVNO)?

    a. No:___
    b. Yes:____ → Year implemented:

    Source of information:

    Remarks you consider relevant to mention:

13. Does your country have rules or regulations regarding network neutrality?

    a. No:___
    b. Yes:____ → Year implemented:

    Source of information:

    Remarks you consider relevant to mention:

14. Apart from the policies mentioned in questions 5 to 13, is there any another regulatory policy you consider relevant in your country?

    a. No:___
    b. Yes:____ → Year implemented:

Source of information:

Remarks you consider relevant to mention:

The criteria to calculate the indicators, in connection with questions 15 to 24, appear in the Working Paper on the Proposal to Build Comparative Indices in CITEL Member Countries.

15. Herfindahl-Hirschman Index (HHI) for fixed Internet service:

   2014:_____ / 2015: _____

  Source of information:

16. Herfindahl-Hirschman Index (HHI) for mobile telephony service:

   2014:_____ / 2015: _____

17. Fixed broadband subscribers (1 Mbps or more) for every 100 inhabitants:

   2014:_____ / 2015: _____

  Source of information:

18. Mobile broadband subscribers (1 Mbps or more) for every 100 inhabitants:

   2014:_____ / 2015: _____

  Source of information:

19. Percentage of persons who use Internet:

   2014:_____ / 2015: _____

  Source of information:

20. Percentage of the least-cost rate associated with a fixed broadband plan (for 1 Mbps or more) as a percentage share of per capita GDP:

   2014:_____ / 2015: _____

  Source of information:

21. Percentage of the least-cost rate associated with a post-paid cell phone plan with 500 MB of browsing as a percentage share of per capita GDP:

2014:_____ / 2015: _____

Source of information:

22. Percentage of the least-cost rate associated with a pre-paid cell phone plan with 500 MB of browsing as a percentage share of per capita GDP:

2014:_____ / 2015: _____

Source of information:

23. Percentage of residential subscriptions (connections) to fixed Internet with speed higher or equal to 10 Mbps:

2014:_____ / 2015: _____

Source of information:

24. Amount of sales of ICT goods as a percentage of the economy's GDP:

2014:_____ / 2015: _____

Source of information:

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PCC.I/RES. 271 (XXVIII-16)[11]

AGENDA, SITE AND DATE OF THE 29 MEETING OF PCC.I

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The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

RESOLVES:

1. To hold the 29 Meeting of Permanent Consultative Committee I: Telecommunications/ Information and Communication Technologies in Lima, Peru from August 16 to 19, 2016.

2. To adopt the Draft Agenda for the 29 Meeting of PCC.I, annexed to this Resolution.

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[11] CCP.I-TIC/doc. 3962/16 rev. 1

ANNEX TO RESOLUTION PCC.I/RES. 271 (XXVIII-16)

DRAFT AGENDA

1.   Approval of the agenda and calendar of activities.

2.   Establishment of the Drafting Group for the Final Report.

3.   Work Plan for PCC.I.
4.   Working Group reports and meetings:
        4.1   Working Group on Policy and Regulation (WGPR)
        4.2   Working Group on Development (WGD)
        4.3   Working Group on Deployment of Technologies and Services (WGDTS)
        4.4   Working Group for the Preparation and Follow-up of the WTSA, WCIT and WTDC (WGCONF)
        4.5   Ad hoc Group for the implementation of ICTs as tools for the empowerment of women
        4.6   Ad Hoc Group on the White Paper: telecommunications and ICTs to advance the fundamental pillars of the organization of American States: democracy, human rights, multidimensional security and integral development

5.   Agenda, site and date of the 29 Meeting of PCC.I.

6.   Approval of the Final Report.

7.   Other business.

IV.   RECOMMENDATIONS

PCC.I/REC. 26 (XXVIII-16)[12]

RECOMMENDATION TO INCENTIVIZE GREATER ADOPTION OF IoT/M2M SERVICES IN THE CITEL MEMBER STATES

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

a)   That the Rapporteurship on Technological Innovation and Trends (Rapporteurship) was established to share information, experiences and best practices on technological evolution and trends in telecommunications and information and communications technologies (ICTs) with CITEL Member States;

b)   That Internet of Things (IoT) and Machine-to-Machine communications (M2M) services are a key driver of economic and social development and have evolved into a transnational market of services where a significant portion of IoT/M2M devices are conceived for global mobility;

c)   That Member States generally do not have in place specific IoT/M2M regulations;

d)   That the Rapporteurship, according to the "Work Plan Rapporteurship on Technological Innovation and Trends," is to study and evaluate technical and regulatory practices related to IoT/M2M services and propose a list of international best practices and public policies to incentivize greater adoption of IoT/M2M services in the region,

RECOGNIZING:

a)   That the Member States, to this end, have shared information and experiences regarding IoT/M2M services through the completion of an M2M Questionnaire entitled "Current Status of the Regulatory Framework on Machine-to-Machine Communications," approved by PCC.I/ DEC. 216 (XXV-14), and later re-circulated through PCC.I/DEC. 232 (XXVI-15);

b)   That the Rapporteurship issued reports entitled, "Report of the Rapporteurship on Technological Innovations and Trends," and "IoT and M2M Technology and Policy Overview: Compilation of Inputs to the Rapporteurship,"[13] highlighting its review of several relevant input documents identified therein and submitted by the Member States and Sector Members;

c)   That during the XXVIII Meeting held in San Salvador, El Salvador, the Rapporteurship held a seminar on IoT/M2M called "The Internet of Things and Machine-to-Machine Communications - Approaches in the Americas," to provide an 1) overview on IoT/M2M communications, including evolving business models and the summarized information from the region; 2) requirements for IoT in

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[12] CCP.I-TIC/doc. 3905/16 rev. 2 cor. 1
[13]   *See* CCP.I-TIC/doc. 3792/15 and CCP.I-TIC/doc. 3901/16.

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; 5) policies to promote IoT/M2M deployment; 6) main applications and/or successful stories in the region; 7) best practices when implementing IoT/M2M; and 8) conclusions and follow up actions;

d)	That the Rapporteurship, taking into consideration these inputs, proposes the following as a list of recommendations based on international best practices and public policies to incentivize greater adoption of IoT/M2M services in the region,

RECOMMENDS:

1.	That the Member States employ flexible regulations developed through government and industry collaboration to encourage the development and adoption of IoT/M2M services throughout the region. In addition to telecommunications and ICTs, regulations in key adjacent industries, e.g., public utilities, healthcare, and transportation, among others, should also enable the development and adoption of IoT/M2M services.

2.	That the Member States monitor market developments to support IoT/M2M services.

3.	That the Member States establish, as a general principle, the principle of technological neutrality with regard to IoT/M2M services and not impose regulatory limitations related to the type of technology used for IoT/M2M implementation, thereby allowing operators to freely choose the most suitable technology for the provision of services.

4.	That the Member States allow for the extra-territorial use of numbering resources (i.e., E.164 and E.212 numbers) to support global IoT/M2M business models and the development of innovative products and services, while not compromising public security or national sovereignty.

5.	That the Member States foster collaboration with industry to encourage the adoption of appropriate security measures with regard to IoT/M2M services, including in their respective value chains and educating end users on IoT/M2M services, to avoid cyber vulnerabilities and prevent cyber-attacks.

6.	That the Member States foster their data protection frameworks to enable cross-border data flows between a machine located in the respective Member State and a machine in another country, recognizing the balance between the need for collection, processing and use of data and the end-users' need for an appropriate level of privacy.

7.	That the Member States review equipment certification requirements to facilitate the adoption of IoT/M2M services, where warranted.

8.	That the Member States consider the implementation of tax exemptions or incentives to promote investment and research and development in IoT/M2M services.

INSTRUCTS THE SECRETARY OF CITEL:

To communicate this Recommendation to the Member States for dissemination and information purposes, and provide Member States requesting additional information on the IoT and M2M services and

frameworks collected by the Rapporteurs for Technological Innovation and Trends with the appropriate contact information.

PCC.I/DEC. 244 (XXVIII-16)[14]

**SURVEY ON THE PROBLEMS OF TANGLED TELECOMMUNICATION WIRING
ON PUBLIC THOROUGHFARES (LAST MILE)**

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

DECIDES:

1.   To request Member States to process the survey attached herewith in the annex to the present Decision by the 29th Meeting of PCC.I for the purpose of gathering information about the problems of tangled telecommunication wiring on public thoroughfares (last mile).

2.   To designate the Rapporteurship on infrastructure, connectivity and service deployment to compile the information on the basis of the survey's results.

3.   Instruct the Rapporteurship on infrastructure, connectivity and service deployment to present the survey's results to the 30th Meeting of PCC.I.

ANNEX TO DECISION CCP.I/DEC. 244 (XXVIII-16)

**SURVEY ON THE PROBLEMS OF TANGLED TELECOMMUNICATION WIRING ON
PUBLIC THOROUGHFARES (LAST MILE)**

I. COUNTRIES THAT HAVE PROBLEMS WITH TELECOMMUNICATIONS WIRING ON PUBLIC THOROUGHFARES

   1. Does your country have the problems described above regarding tangled telecommunication wiring on public thoroughfares?
       a. Yes.
       b. No (skip to Question No. 6).

   2. What might be the possible causes leading to these problems or preventing them from being tackled in your country?
       a. There is no specific regulatory framework that has been established.
       b. The regulatory framework is not being adequately complied with or enforced.
       c. There is no clear indication about who is in charge of dealing with these problems.

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[14] CCP.I-TIC/doc. 3970/16

    d.   Informal approach to rolling out telecommunication networks.

    e.   Other. Please specify: _____

3. Are there initiatives or a plan of action to find a solution to the problems of tangled telecommunication wiring on public thoroughfares?
    a.   Yes. Please specify: _____
    b.   No.

4. Have the entities in charge of addressing these problems been identified?
    a.   Telecommunications operators / companies engaged in rolling out networks.
    b.   Municipalities (local authorities).
    c.   Ministry in charge of the sector
    d.   Telecommunication regulatory agency
    e.   Others. Please specify: _____

5. To draw up a regulatory framework for the future (regulations and/or technical standards) that would help solve the above-mentioned problems, what would be the best benchmarks to develop this?

    _____

Example:
- ITU Recommendation L.35, Installation of optical fibre cables in the access network.
- Technical and administrative guidelines for installing telecommunication networks in the distribution infrastructure of Mexico's Federal Electricity Commission (Comisión Federal de Electricidad—CFE), http://www.cfe.gob.mx/negocio/4_Informacionalcliente/SiteAssets/Paginas/Pago-de-derechos/Lineamientostecnicosyadministrativosnoviembre2013.pdf
- Optical Fibre Deployment: Optical Fibre Cables and Field Installation http://www.ida.gov.sg/~/media/Files/PCDG/Licensees/StandardsQoS/RefStandards/IDARDOFDPart2.pdf

II. COUNTRIES THAT DO NOT HAVE THESE PROBLEMS AND BENEFIT FROM A SPECIFIC REGULATORY FRAMEWORK

6. Does your country have a regulatory framework (regulations and/or technical standards) that are mandatory regarding the above-mentioned problems?
    a.   Yes. Please specify the references for the regulatory framework:
        _____
    b.   No (skip to Question No. 11)

7. On the basis of your reply to Question No. 6, what are the aspects for which there are standards and regulations to address the above-mentioned problems?
    a.   Removing unused telecommunication wirelines.
    b.   Installing new last-mile infrastructure (technical standards).

c. Holding the operator accountable for possible incidents arising from wirelines.

d. Regarding the appearance and image of public thoroughfares

e. Other. Please specify: _____

8. To draw up the regulatory framework (regulations and/or technical standards) referred to in question No. 6, what were the sources taken into consideration as the groundwork for drafting the regulatory framework?

_____

Example:
- ITU Recommendation L.35, Installation of optical fibre cables in the access network.
- Technical and administrative guidelines to install telecommunication networks in the distribution infrastructure of Mexico's Federal Electricity Commission (Comisión Federal de Electricidad—CFE), http://www.cfe.gob.mx/negocio/4_Informacionalcliente/SiteAssets/Paginas/Pago-de-derechos/Lineamientostecnicosyadministrativosnoviembre2013.pdf
- Optical Fibre Deployment: Optical Fibre Cables and Field Installation http://www.ida.gov.sg/~/media/Files/PCDG/Licensees/StandardsQoS/RefStandards/IDARDOFDPart2.pdf

9. On the basis of your reply to Question No. 6, who is the authority in charge of solving these problems according to the regulatory framework indicated above?
a. Municipalities (local authorities)

b. Ministry in charge of the sector

c. Telecommunication regulatory agency

d. Others. Please specify: _____

10. What were the principal obstacles to implementing a solution/regulatory framework in your country?

_____

III. COUNTRIES THAT DO NOT SUFFER FROM THESE PROBLEMS AND DO NOT HAVE ANY SPECIFIC REGULATORY FRAMEWORK

11. On the basis of what is occurring in your country, what is the relevant factor that you believe has prevented your country from having these kinds of problems even when there is no specific regulatory framework to address them?

_____

12. Has consideration been given to drawing up a regulatory framework in your country?

a. Yes (please specify in Question No. 13).

b. No (skip to Question No. 14)

13. On the basis of your reply to Question No. 12, what are the aspects that should be taken into account by the regulatory framework addressing the above-mentioned problems?

      a. Removing unused telecommunication wirelines.

      b. Installing new last-mile infrastructure.

      c. Holding the operator accountable for any possible incidents caused by the wirelines.

      d. Appearance and image of public thoroughfares.

      e. Any other. Please specify: _____

14. In your opinion, who is the authority who should address the above-mentioned problems?

      a. Municipalities (local authorities).
      b. Ministry in charge of the sector.
      c. Telecommunication regulatory agency.
      d. Others. Please specify: _____

PCC.I/DEC. 245 (XXVIII-16)[15]

SENDING INFORMATION FOR THE TECHNICAL NOTEBOOK ON "APPLICATIONS AND CONTENTS FOR SOCIAL INCLUSION AND EQUITY"

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

DECIDES:

1. To request that Member States send their contributions for the Technical Notebook on "Applications and Contents for Social Inclusion and Equity," whose creation and table of contents were approved by Resolution PCC.I/RES. 238 (XXVI-15), in order to continue gathering related information. Please send your contributions to Mr. Franklin Merchán of the Colombian Administration, email fmerchan@mintic.gov.co, by no later than Friday, July 29, 2016.

2. To request that the Secretariat of CITEL distribute this Decision to all the Administrations in order to continue gathering information.

PCC.I/DEC. 246 (XXVIII-16)[16]

DIGITAL FINANCIAL SERVICE CONSUMER PROTECTION QUESTIONNAIRE

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[15] CCP.I-TIC/doc. 3971/16
[16] CCP.I-TIC/doc. 3834/16 rev. 1

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

DECIDES:

1.   To request that the Member States fill out the questionnaire annexed to this Decision by November 30, 2016, to gather information on digital financial service consumer protection in the Member States.

2.   To instruct the Rapporteurship on Economic Aspects of Telecommunications/ICT Services to gather the information from the questionnaire and to present its findings at the 31st Meeting of the PCC.I

ANNEX TO DECISION PCC.I/DEC. 246 (XXVIII-16)

DFS Consumer Protection Questionnaire

The International Telecommunication Union's (ITU) Working Group on Consumer Experience and Protection (CEP) in Digital Financial Services (DFS) is developing recommendations and/or a toolkit for developing country regulators and stakeholders on how to address CEP issues in providing DFS. The Evans School Policy Analysis and Research Group (EPAR) is supporting this work through a desk review of country legislation relevant to CEP. Thank you for agreeing to talk with us to supplement this desk review with a better understanding of the regulations and practices surrounding DFS consumer protection in your country. Your participation is, of course, entirely voluntary and you need only respond to questions that you are comfortable with. Please also let us know if you would like this information to remain internal (shared only with the working group) or if it can be considered public, and if we can acknowledge your participation by name in the report.

	Bank Regulator	**Telecom Regulator**
Name		
Position		
Organization Name		
Organization Role in DFS Regulation (e.g., policy, compliance enforcement, etc.)		

DFS CEP Institutions, Regulations, and Supervision
1. What are the primary regulatory institutions governing DFS CEP?
    a. *What are their roles in monitoring or regulating DFS CEP issues? (e.g. monitoring DFS providers, monitoring fraud, etc.)*
    b. *Are there any particular challenges in coordinating DFS regulation among different institutions? If yes, what are they? Are there specific measures or mechanisms in place in your jurisdiction to address these challenges?*

2. What are the primary regulatory documents that include relevant provisions for protecting DFS consumers? And from when do they date?

3. Is there an entity that monitors competition issues in DFS? If yes, what is the name of the entity and governing legislation?
    a. *To your knowledge, has any entity conducted a study of DFS competition in your country?*

Consumer Costs for DFS
4. Are there regulations for collecting and monitoring information from DFS providers on prices, fees, and other terms imposed on customers?
    a. *If yes, what entity is responsible for monitoring compliance between these terms and existing regulations?*

5. Are there regulations around the transaction fees, taxes, or tariffs that are applied to DFS?
    a. *Are there regulations on the pricing of DFS, for example protecting consumers from anti-competitive pricing or DFS providers with dominant market share?*

6. Are DFS agents permitted to charge additional fees to consumer for DFS services?

Burden/Costs from Consumer Financial Losses or Other Harm
7. Between consumers, providers, and agents, who bears the damages and costs in the event of loss of consumer funds or data?
    a. *For example, in cases of system malfunctions, provider losses (bankruptcy, fraud, hacking), agent misconduct, erroneous transactions, failed pin protection, individual consumer fraud, etc.*

8. What costs are consumers responsible for in these situations?
    a. *For example, fees for processing complaints or requesting redress, time spent in recovering lost funds or data, etc.*

Transparency of Terms and Protection from Costs/Consumer Harm
9. Are there regulations for transparency in DFS Terms & Conditions, so that consumers are aware of the costs associated with DFS?
    a. *For example, making information accessible for different population groups (e.g., different language groups, illiterate populations, the poor), communicating fees, different ways of communicating T&Cs (verbally, in writing, posting at shops), explicitly*

informing consumers of particular terms (e.g., implications of loan default, consumer redress mechanisms), etc.

10. Are there regulations mandating DFS provider policies to protect consumers from financial losses or other consumer harm (e.g., loss of data and personal information)?
    a. *For example, training of agents and employees, monitoring or agents/employees, PIN/password requirements, data storage requirements, levels of authorization for access to consumer funds or data, rules for sharing of data*
    b. *Are regulators tasked with monitoring Terms & Conditions to ensure they comply with consumer protection regulations?*

Dispute Resolution
11. Are DFS providers required to offer specific mechanisms for complaints or dispute resolution?
    a. *For example, multiple forms of complaint channels (in person, phone, online), free complaint channels, etc.*
    b. *Are there regulations for how DFS providers should communicate complaint and dispute resolution procedures to consumer?*
    c. *Are DFS providers required to respond to complaints and resolve disputes within a certain amount of time?*

12. Do regulations mandate the availability of particular consumer complaint or dispute resolution mechanisms, either internal or external to the DFS providers?
    a. *For example, internal escalation procedures with the DFS provider, alternative dispute resolution channels, arbitration procedures, small claims or consumer courts, etc.*

Closing Questions
13. Are there any planned legislation/regulations related to DFS?

14. What does your organization consider the biggest challenges for low-income users of DFS? Do you see any particular challenges for other groups, such as women or rural users?

15. Is there any additional information that you would like to add?

PCC.I/DEC. 247 (XXVIII-16)[17]

ITU WORKSHOP ON "COMBATING COUNTERFEIT USING CONFORMANCE AND INTEROPERABILITY SOLUTIONS" ANNOUNCEMENT

The 28 Meeting of the Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I)

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[17] CCP.I-TIC/doc. 3979/16

DECIDES:

1.   To instruct the Executive Secretary of CITEL to forward to all members, the ITU announcement, inviting members to participate at the ITU Workshop on "Combating Counterfeit Using Conformance and Interoperability Solutions" in Geneva, Switzerland, that will be held on 28 June 2016, through the TSB Circular 220, as in the annex below.

2.   To encourage its members to participate at this ITU Workshop.

PCC.I/DEC. 248 (XXVIII-16)[18]

REGIONAL ASSESSMENT: ICT ACCESSIBILITY

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

CONSIDERING:

a)   that the ITU prepared a questionnaire that aims at collecting information regarding achievements and views of stakeholders on related issues in the Americas region to draw a picture on where we stand on this matter and to enrich the discussions during the regional event Accessible Americas III: Information and Communication to ALL, to be carried out in Mexico City, from 28 to 30 November 2015;

b)   that the next regional meeting on ICT accessibility presents a milestone opportunity to deepen the regional commitment towards removing barriers faced by persons with disabilities and achieving a more inclusive society through the development of concrete actions and changes on the ground, and the mainstreaming of accessible ICT in the regional telecommunication agenda framework,

DECIDES:

1.   To request the Secretariat of CITEL to distribute to the OAS/CITEL Member States the questionnaire annexed hereto in order to assess ICT accessibility in the Americas Region.

2.   To ask OAS/CITEL Member States that have not already done so via ITU itself, to provide information about views and achievements on ICT accessibility.

3.   To request OAS/CITEL Member States to send their response to the CITEL Secretariat (citel@oas.org), copying to Vera.Zanetti@ties.itu.int and asuntosinternacionales@ift.org.mx.

4.   To request OAS/CITEL Member States responding to this request to provide their inputs as soon as possible and no later than October 7 2015.

ANNEX TO DECISION PCC.I/DEC. 248 (XXVIII-16)

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[18] CCP.I-TIC/doc. 3883/16 rev. 2

Questions for the Regional Consultation and Inputs for Preparatory Work for the Meeting **Accessible Americas III:** *Information and Communication for ALL*	**ITU** International Telecommunication Union

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Background

From 12 to 14 November 2014, the participants in the Accessible Americas: Information and Communication for ALL regional conference, held in Sao Paulo, Brazil, shared challenges and best practices for promoting ICT accessibility. As a result of the discussions facilitated by ITU and UNESCO, which put together regional governments representatives, intergovernmental agencies, regional organizations, civil society, organizations representing persons with disabilities and the private sector, it was developed a set of guidelines including principles and actions needed to support implementation of ICT accessibility in the Americas Region, aiming at encouraging all relevant stakeholders to become leaders in promoting ICT accessibility within their respective working areas.

During the following regional meeting on ICT accessibility, held in Medellín, Colombia, from 4 to 6 November 2015, presented a milestone opportunity to deepen the regional commitment towards removing barriers faced by persons with disabilities and achieving an inclusive society through the development of concrete actions and changes on the ground, and the mainstreaming of accessible ICT in the regional telecommunication agenda framework.

To this end, "**Accessible Americas III**", which will be hosted in Mexico City, Mexico, from 28 to 30 November 2016, at the kind invitation of the Telecommunication Federal Institute (IFT), will focuses on the importance of promoting accessibility policies; motivating policymakers of these policies, regulators and industries; and encouraging all the stakeholders concerned to work together with PwD in the expansion and inclusion of accessibility in all processes: legal framework; public access to ICTs; movable communications; television and video programming accessibility; web accessibility, mobile telephony, and public procurement of accessible ICTs.

The present questionnaire form is intended to collect inputs from all relevant stakeholders and thus, not only to enable them to share their challenges and experiences but also to contribute to a regional report, which will be presented in the next venue of Accessible Americas III and will contribute to the outcomes of the Meeting. The inputs should be submitted via email to: Fernando.Ribeiro@ties.itu.int, copying Vera.Zanetti@itu.int

The objectives of this report are to provide a regional summary on the policy commitments countries are undertaking in regards to ICT accessibility; to identify some of the major emerging trends and examples of commitments that add relevant values to make ICTs accessible; to highlight best practices that can inspire other countries to tackle new challenges; to encourage all stakeholders to a multilateral partnership and to play a leadership role in making ICTs accessible for all. The questions are the same questions we have distributed in 2015 when just a few countries replied and sent their inputs. This time we would like to be able to count on more contributions so current regional scenario can be more precise in terms of the developments and advances achieved. We thank you in advance for your collaboration.

Questions

1. What are your (organization/institution/company) **major achievements** in implementing ICT accessibility policies in line with the U.N. Convention on the Rights of Persons with Disabilities and the Principles and Guidelines stressed on the Declaration document of the first Accessible Americas Meeting?

2. What were your (organization/institution/company) **major challenges** faced in implementing ICT accessibility policies in line with the U.N. Convention on the Rights of Persons with Disabilities and the Principles and Guidelines stressed on the Declaration document of the first Accessible Americas Meeting?

3. What approaches, steps or specific measures have proven to be **most successful** in promoting ICT accessibility for your (organization/institution/company)?

4. According to your experience which of these specific approaches, steps or actions should be a **priority** to facilitate and accelerate the goal of achieving an inclusive society in Americas Region in line with the objectives of U.N. Convention on the Rights of Persons with Disabilities and the 1st Accessible Americas Declaration document?

5. What **concrete actions have been implemented** by your (organization/institution/company) to improve the quality and availability of accessible ICTs products and services for persons with disabilities?

6. What has been done by your (organization/institution/company) to **strengthen the awareness** of national stakeholders to upgrade knowledge, develop their expertise and skills to promote ICT accessibility policies and programmes?

7. In addition to the actions identified before, are there any **other elements or actions** in your (organization/institution/company) **agenda as immediate next steps** to contribute to the implementation of ICT Accessibility in Americas Region?

8. In your view, and according to your experience **what more your company/institution/organization can do** in order to promote the goal of ICT accessibility in your country.

9. In your view and according to your experience **what more other stakeholders** (a. civil society including organizations of persons with disabilities and other NGOs; b. international organizations; c. telecommunication agencies and d. academic institutions) **should/could do** in order to promote the goal of ICT accessibility in your country/Americas region.

10. Please indicate if there is **any specific issue/suggestion** that you would like to bring to the attention of the participants to the next Accessible Americas Meeting, which can help to promote and accelerate the implementation of ICT Accessibility in your country/region.

Please identify yourself:

_____   _____
(Name of your organization/institution/company)   (Country where it is based)

_____   _____
(Name and title/post)   (telephone)   (e-mail)

_____
(core business/mandate)

PCC.I/DEC. 249 (XXVIII-16)[19]

REGISTRY OF PROJECTS IN THE AMERICAS REGION

The 28 Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

DECIDES:

1. To instruct the Rapporteurship on follow-up of regional initiatives:

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[19] CCP.I-TIC/doc. 3943/16 rev. 1

a) To keep, in coordination with the ITU Regional Office, a registry of projects and activities that are developed to ensure compliance with regional initiatives and report progress achieved every six months.

b) To request from (member states / Regional Office) information about projects already implemented in order to learn about their results, success, and elements for improvement in the process, as well as their impact on the population, among others. This Rapporteurship shall present a review of the actions undertaken at the PCC.I meeting prior to the beginning of the Regional Preparatory Meeting for WTDC-2017.

PCC.I/DEC. 250 (XXVIII-16)[20]

TERMS OF REFERENCE TO DRAFT A SITUATIONAL STUDY TYPE REPORT ON GENDER EQUALITY IN ICTs: PROPOSALS FOR MAINSTREAMING A GENDER AND RIGHTS BASED PERSPECTIVE IN ICT POLICIES IN THE FRAMEWORK OF CITEL

The 28 Meeting of Permanent Consultative Committee I: Telecommunications / Information and Telecommunication Technologies (PCC.I),

DECIDES:

1.   To approve the terms of reference set forth in Annex I to draft a situational study type report as follow-up on Activity No. 2 of the 2016-2018 Roadmap appearing in the annex to Resolution CCP.I/RES. 258 (XXVII-15).

2.   To instruct the CITEL Secretariat to take the necessary steps to coordinate between CIM and the Ad Hoc Group to prepare for the study and secure the funds needed to ensure its financing.

ANNEX I TO DECISION PCC.I/DEC. 250 (XXVIII-16)

DRAFT TERMS OF REFERENCE FOR THE SITUATIONAL STUDY

Gender equality in ICTs: Proposals for mainstreaming a gender and rights based perspective in ICT policies in the framework of CITEL

Initial proposal

In order to benefit from a base of evidence that can help inform and enrich technical and political dialogue forums in the framework of CITEL and provide policy and strategy guidelines and recommendations that would make it possible to steer implementation of the Roadmap (specifically Activity No. 2) and make progress on promoting the gender and women's rights based perspective in

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[20] CCP.I-TIC/doc. 3942/16 rev. 1

CITEL's agenda and in ICT governing/regulatory bodies, it is proposed that a situational paper/study be prepared on "Gender Equality in ICTs: Proposals for mainstreaming a gender and rights based perspective in ICT policies in the framework of CITEL," whose description is provided in Annex 1.

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1.   Objectives

To draw up a strategy to make progress in mainstreaming a gender and rights based approach in CITEL's global agenda and in telecommunication/ICT bodies, including the drafting of recommendations to: i) strengthen public policymaking on gender issues in ICTs; and ii) protect the human rights of women who work in the ICT sector. To this end, the following are included:

- To review the international and inter-American legal and regulatory framework currently in force.

- To review existing public policies regarding women in the ICT sector, depending on the case, to identify best practices and existing gaps (implementation of the current regulatory framework in the labor force, equal opportunities in terms of employment, training, promotion, etc., measures to tackle sexual/workplace harassment, cyber-bullying, and other forms of intimidation and violence against women and girls carried out via ICTs, and related matters).

- To review the situation of women in the sector – participation and leadership.

- To examine to what extent the gender approach has been mainstreamed into telecommunication/ICT institutions and bodies of participating countries.

- To identify challenges and opportunities for drafting public policies for management of the ICT sector with a gender and rights based perspective.

2.   Sources of information

- Review of existing literature (mandates, studies, legislation, and public policymaking in selected countries).

- Questionnaires to telecommunication / ICT bodies and national mechanisms for promoting the advancement of women.

- Interviews with women working in the ICT sector.

3.   Activities to be carried out

1. Completion of the structure of contents of the situational study and drafting of the questionnaire and interview script.

2. Circulation of the questionnaire to the respective authorities. It shall supplement the questionnaire already sent in 2013.

3. Review of existing literature.

4. Conducting interviews with women from the ICT sector.

5. Review of answers to the questionnaire.

6. Systematization of the study's results. This includes drafting the paper's preliminary version.

7. Review of draft paper by CITEL and CIM.

8. Submittal of report's preliminary results at the seminar of experts organized to validate the proposed strategy and results.

9. Incorporating comments from the seminar, as well as those from CIP and CIM, and delivery of the final version of the study.

4. Time to prepare for and implement the study

First semester of 2017

5. Amount of the consultancy and payment schedule

It is estimated that this consultancy shall amount to no more than US$15,000 and will be disbursed as follows:

- 20% at the start of the contract upon satisfactory submittal of the final structure of the study's contents and the questionnaire to be sent to the authorities of both sectors.

- 20% of total professional fees upon satisfactory submittal of the report's first preliminary draft so that comments can be received from CIM and CITEL.

- 30% of total professional fees upon satisfactory submittal of the study's second draft.

- 30% upon satisfactory submittal of the study's final version, including the incorporation of comments received from the seminar of experts, as well as from CITEL and CIM.

Please note that implementation of the present terms of reference by a consultant shall depend upon securing resources for the study.

Gender equality in ICTs: Proposals for mainstreaming a gender and rights based perspective in ICT policies in the framework of CITEL

Tentative structure of contents

Length: 40-60 pages

1. Introduction
    1.1. Summary of the situation
    1.2. Objectives of the study

2. Background
    2.1. Agreements of the Inter-American Telecommunication Commission
    2.2. Permanent Consultative Committee I: Telecommunications/ICTs (PCC.I) – history and work plan

3. Situation of women – participation and leadership in the port sector
    3.1. Summary of the review of the literature
    3.2. Results of the interviews
    3.3. Challenges and opportunities

4. International and inter-American legal and regulatory framework currently in force

5. Overview of policies for gender equality and/or rights in telecommunication/ICT bodies
    5.1. Summary of the review of the literature
    5.2. Results of the questionnaire and analysis of needs
    5.3. Challenges and opportunities

6. Strategic guidelines to strengthen telecommunication/ICT bodies so they can achieve effective gender mainstreaming in their operations, policies, and programs
    6.1 Review of the institutional mainstreaming of gender in telecommunication/ICT bodies
    6.2 Hemispheric horizontal cooperation (compilation of support instruments, activities, and exchange workshops, drafting of program portfolio, etc.)
    6.3 High-level dialogues about gender and rights in ICTs

7. Conclusion and Recommendations

8. Bibliography

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PCC.I/DEC. 251 (XXVIII-16)[21]

LEGISLATION AND REGULATIONS ON PERSONAL DATA PROTECTION

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The 28 Meeting of the Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

DECIDES:

1.   To recirculate the survey entitled, "Legislation and Regulations on Personal Data Protection" that was originally approved in May 2015 via PCC.I/DEC. 230 (XXVI-15) and recirculated in October 2015 via PCC.I/DEC. 237 (XXVII-15) for purposes of compiling information on the implementation and level of development of legislation and regulations in the Member States on personal data protection.

2.   To request the Member States that has not yet responded to the survey on the "Legislation and Regulations on Personal Data Protection" to complete the survey provided in the Annex, by July 15, 2016, at the latest.

3.   To task the Rapporteur on Cybersecurity, Vulnerability Assessment and Critical Infrastructure with compiling the information with the survey results and presenting that report to PCC.I at its XXIX Meeting.

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[21] CCP.I-TIC/doc. 3973/16

4.   To instruct the CITEL Secretariat to inform the Member States about the recirculation of this survey and the deadline for its completion.

ANNEX TO DECISION PCC.I/DEC. 251 (XXVIII-16)

IMPLEMENTATION OF LEGISLATION AND REGULATIONS
ON PERSONAL DATA PROTECTION

Country/administration:
Person completing survey:
Entity/institution:
Contact information:
Telephone:
Email:

Please reply to the following questions:

- Does your country have legislation in place on the protection of personal data?
  - Date law was enacted:
- Does that law have any regulations for its application?
  - Date of enactment of those regulations:
- Does your country have a national protection and/or supervisory authority?
  - Name of entity:
  - URL:
  - Telephone numbers:
  - Contact person:
  - Email:
- Does your country have a registry of personal information databases?
  - Number of databases registered:
  - Number of companies registered:

PCC.I/DEC. 252 (XXVIII-16)[22]

QUESTIONNAIRE ON THE ECONOMIC IMPACTS OF IPV4-IPV6 TRANSITION

The 28 Meeting of the Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

DECIDES:

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[22] CCP.I-TIC/doc. 3974/16

1.   To recirculate the questionnaire entitled, "The Economic Impacts of IPV4-IPV6 Transition" that was previously adopted in PCC.I/DEC. 235, Annex (XXVII-15), for Member States' consideration and response.

2.   To request the CITEL members to complete the questionnaire contained in the Annex below and to transmit the replies to Mr. Tiago Sousa Prado (tiago.prado@anatel.gov.br), who will consolidate all the information from the Americas region, include them in the Technical Notebook on "IPv6 Transition Strategy Guidelines and Best Practices", and send a report to the SG2/SG3 Joint Rapporteur Group on Economic Impacts of the IPv4-IPv6 transition.

2.   To instruct the Executive Secretary of CITEL to forward to all members the questionnaire contained in the Annex below.

ANNEX TO DECISION PCC.I/DEC. 252 (XXVIII-16)

ASSESSING THE ECONOMIC IMPACTS OF IPV4-IPV6 TRANSITION

Administration / Organization: _____

Sent by: _____

Entity / Institution _____

Contact:

Telephone _____ E-mail _____

CCP.I Member:

Item	Question	Answer
1	Status and future plans for the IPv4-IPv6 transition.	
2	Total CAPEX allocated to deploy the IPv4-IPv6 transition in your country/organization.	
3	Total OPEX allocated to deploy the IPv4-IPv6 transition in your country/organization.	
4	Total of new revenue generation expeted by providing IPv6 based services in your country/organization.	

5	Total of revenue losses due to the lack of IPv4 adresses in in your country/organization.	
6	Funding incentives provided by your country to foster IPv4-IPv6 transition.	
7	Funding alternatives effectively used by your organization to support IPv4-IPv6 transition.	
8	Pay-back time estimation to the investments in IPv4-IPv6 transition in your organization.	
9	Any other relevant information regarding economic impacts of IPv4-IPv6 transition in your country/organization.	

PCC.I/DEC. 253 (XXVIII-16)[23]

IMPLEMENTATION OF THE INTERNATIONAL TELECOMMUNICATION REGULATIONS

The 28 Meeting of the Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I),

DECIDES:

1.   To request the Secretariat of CITEL to distribute to the OAS/CITEL Member States and Associate Members the questionnaire annexed to assess the adoption and implementation of the International Telecommunication Regulations adopted in the World Conference on International Telecommunications (WCIT) (Dubai, 2012) in the Americas Region.

2.   To request OAS/CITEL Member States and Associate Members send their response to the CITEL Secretariat (citel@oas.org), copying to Mrs. Beatriz Macías (beatriz.macias@ift.org.mx).

3.   To request OAS/CITEL Member States and Associate Members responding to this request to provide their inputs as soon as possible and no later than July 31, 2016.

4.   To invite ITU Council Members of Americas Region to express their views to the next session of ITU Council to be held from 25 May to 2 June 2016.

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[23] CCP.I-TIC/doc. 3882/16 rev. 2

ANNEX TO DECISION PCC.I/DEC. 253 (XXVIII-16)

1. Please describe the treatment of the Final Acts of the 2012 WCIT in your country and your experiences in the application of the International Telecommunication Regulations.

2. Please indicate the role of the provisions of the 2012 ITRs in a rapidly evolving international telecommunication environment, taking into account technology, services and existing multilateral and international legal obligations as well as changes in the scope of domestic regulatory.

3. Please indicate any potential problem between the obligations of signatories to the 2012 ITRs and signatories to the 1988 ITRs with respect to implementation of the provisions of the 1988 and the 2012 ITRs.

4. Has your administration conducted a review of the ITRs, and based on the results of such review:
   a) Have you identified specific articles and subjects of the ITRs that are found to be obsolete, and if so, why?
   b) Are there other considerations with specific articles and subjects of the ITRs? Please explain them.
   c) Do you consider the addition of any article is necessary, in view of the changes in the telecommunications environment?

Administration / Organization: _____

Sent by: _____

Entity / Institution _____

Contact:

Telephone _____

E-mail _____

VI.   LIST OF BASIC DOCUMENTS

Summary Minutes of the Inaugural Session and the
First Plenary Session: CCP.I-TIC/doc. 3967/16 rev.1 cor.1
Summary Minutes of the Second Plenary Session: CCP.I-TIC/doc. 3985/16 rev.1
Summary Minutes of the Third Plenary Session: CCP.I-TIC/doc. 3999/16

List of Documents: CCP.I-TIC/doc. 3798/16 rev.3
List of Participants: CCP.I-TIC/doc. 3799/16 rev.1

Final Report for the Meeting: CCP.I-TIC/doc. 4000/16

Report of the Working Group on Policy and
Regulation (WGPR)   CCP.I-TIC/doc. 3980/16
Report of the Working Group on Development (WGD)   CCP.I-TIC/doc. 3981/16
Report of the Working Group on Deployment of
Technologies and Services (WGDTS)   CCP.I-TIC/doc. 3982/16 rev. 1
Report of the Working Group for the Preparation and
Follow-up of the WTSA, WCIT and WTDC (WGCONF)   N/A