



**ORGANIZACION DE LOS ESTADOS AMERICANOS  
ORGANIZATION OF AMERICAN STATES**

**Comisión Interamericana de Telecomunicaciones  
Inter-American Telecommunication Commission**

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**XVI MEETING OF PERMANENT CONSULTATIVE  
COMMITTEE I: TELECOMMUNICATIONS/  
INFORMATION AND COMMUNICATION  
TECHNOLOGIES  
May 11 to 14, 2010  
Ushuaia, Tierra del Fuego, Argentina**

**OEA/Ser.L/XVII.4.1  
CCP.I-TIC/doc. 2003/10 rev.1  
14 June 2010  
Original: Spanish**

**FINAL REPORT  
(Item on the Agenda: 5)  
(Document submitted by the Secretariat of CITEL)**

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## FINAL REPORT

### XVI MEETING OF THE PERMANENT CONSULTATIVE COMMITTEE I (PCC.I)

The XVI Meeting of the Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies (PCC.I) was held in Ushuaia, Argentina, May 11 to 14, 2010.

#### I. AGENDA<sup>1</sup>

1. Approval of the agenda and schedule of activities.
2. Establishment of the Drafting Group for the Final Report.
3. Structure of the Committee and terms of reference of its Working Groups.
4. Report and meeting of the Working Groups of the period 2006-2010:
  - 4.1 Working Group on Technology (WGT)
  - 4.2 Working Group on Policy and Regulatory Considerations (WGPRC)
  - 4.3 Working Group on Network Operation and Service Provisioning (WGNOSP)
  - 4.4 Working Group on Development (WGD)
  - 4.5 Rapporteur Group to address matters of common interest for CITEI and UPAEP
  - 4.6 Rapporteur Group for International Roaming Services in the Americas Region
5. Agenda, venue and date for the XVII Meeting of PCC.I.
6. Approval of the Final Report.
7. Other Business.

#### II. AUTHORITIES OF THE MEETING

**Alternate Chair:** Mr. Héctor Carril (Argentina)  
**ViceChairs:** Mr. Oscar Estrada (El Salvador)  
Mr. Guillermo Thornberry (Peru)

**Executive Secretary:** Mr. Clovis Baptista (OAS)

#### **Drafting Group:**

**Chair:** Mr. Juan Manuel López (Argentina)  
**Members:** Mr. Efrain Guevara (Canada)  
Mr. Jonathan Siverling (United States of America)

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<sup>1</sup> CCP.I-TIC/doc. 1906/10

### **III. RESOLUTIONS**

#### **PCC.I/RES. 162 (XVI-10) <sup>2</sup>**

#### **METHODS FOR THE TESTING, ACCEPTANCE AND MAINTENANCE OF COPPER WIRE PAIRS FOR SUBSCRIBERS**

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

#### **CONSIDERING:**

- a) That advanced services and new technologies are essential tools for the Region's social and economic development;
- b) That such services and technologies are in constant evolution and accordingly, we must continue to develop models of practical cases for consultation by the countries of the Region;
- c) That Broadband Service is becoming part of the development of communications, which are essential for individual and community growth;
- d) That use of Digital Subscriber Line (xDSL) technology is growing and promoting the development of new Internet applications; and
- e) That it would be prudent to ensure that the network has been qualified with the metallic networks qualifying methodology Spectral Emulation Method (SEM), before using a metallic cable network for data transmission with xDSL technology,

#### **RECOGNIZING:**

- a) That SEM may be applied to older networks designed to transport telephony services as well as to new metallic cable networks intended to support broadband Internet;
- b) That application of SEM offers a qualifying methodology that give us measures of rate transmission supported by metallic cable networks installed; and
- c) That ITU-T Study Group 5 has been developing standards in this area and has issued Recommendation L.75 "Test, Acceptance and Maintenance Methods of Copper Subscriber Pairs" in May 2008,

#### **RESOLVES:**

To endorse ITU-T Recommendation L.75 "Test, Acceptance and Maintenance Methods of Copper Subscriber Pairs" with no deletions, additions or modifications.

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<sup>2</sup> CCP.I-TIC/doc. 1985/10

## ANNEX TO RESOLUTION PCC.I/RES. 162 (XVI-10)

### STANDARDS COORDINATION DOCUMENT

#### TEST, ACCEPTANCE AND MAINTENANCE METHODS OF COPPER SUBSCRIBER PAIRS - SPECTRAL EMULATION METHOD (SEM)

##### 1. EXECUTIVE SUMMARY

The use of broadband Internet has increased in the last years. The transport technologies used to transmit data are Digital Subscriber Line – DSL – families (ex. ADSL, VDSL2, etc.). DSL signals share the same metallic cable network used by fixed telephony signals. Originally, this network was projected only for transmission of voice signals, but today xDSL is used for the transmission of data through the old telephony network. This network normally is very old and it suffered, throughout time, from operations and maintenances, therefore its initial transmission characteristics may have been modified, affecting the performance of the data transmission.

Then, before using a metallic cable network for data transmission with xDSL technology, it would be interesting to ensure that the network has been qualified for this purpose. Study Group 5 issued, in 2008, a metallic networks qualifying methodology for use of xDSL technology, before and after its installation in the access network. This methodology was approved by the International Telecommunications Union (ITU), where it was converted into L.75 Recommendation (05/2008): Test, acceptance and maintenance methods of copper subscriber pairs. The following summary information regarding Rec. L.75 was presented and discussed at the XV Meeting of CITEL PCC.I (September 2009; Bariloche, Argentina).

##### 2. BASIC OBJECTIVE OF L.75 RECOMMENDATION

L.75 Recommendation describes a qualify methodology of metallic cable network for xDSL signals transport before and after the installation in the access network. This evaluation process is based on measurement of transmission rate obtained in the worse case of transmission in the network, i.e., when all the other pairs are being used for data transmission at the same time. This methodology of evaluation and qualification is known as Spectral Emulation Method (SEM), and may be applied to older networks designed to transport telephony services, as well as to new metallic cable networks intended to support broadband Internet.

The next sub items will present, briefly, the qualifying methodology for metallic cable network, as described in L.75 Recommendation (05/2008).

##### 3. SEM OVERVIEW

SEM is based on Nyquist and Shannon Theories. The Nyquist Theory establishes that a digitized signal shall be recovered without distortions only when the sampling frequency is, at least, two times the maximum frequency of the transmitted signal. The following equation expresses the Nyquist Theory:

$$C = 2.B.\log_2 n$$

Where:

B → Bandwidth

C → Channel Capacity  
n → number of symbols

Shannon, using the Nyquist Theory, established that the signal-to-noise ratio affects the channel transmission capacity. The equation below expresses the Shannon Theory:

$$C = B \cdot \log_2 (1 + S/N)$$

Where: S/N → Signal-to-noise ratio.

In the SEM, one cable pair is chosen for the measurement of the transmission rate, noise power spectral density (N-PSD) and signal-to-noise ratio (S/N). This pair is called the victim pair (VP). The other cables are loaded with controlled xDSL signals, with limited power spectrum density, according to the xDSL technology under evaluation. This process is repeated, changing the VP, until all pairs have been measured.

#### **4. EXAMPLE OF TEST PROCEDURE**

Before installing any new cable on a network or xDSL signals in an existent network, all pairs should be tested to prevent detecting possible problems only after the system is installed. It is recommended that SEM be applied only to groups of up to 600 pairs.

The following test procedure is an example of SEM application:

1. Select one pair as VP. Feed the others pairs, at the near-end side, with non-coherent signals, with power spectrum density (PSD) limited according to the ITU Recommendation applicable to the xDSL technology under evaluation. At the other side, these pairs must be properly terminated with a resistive load, as indicated.
2. Connect one DSLAM port at the near-end side and a modem at the other side of the VP. This will be the pair under test.
3. Measure the highest TR and S/N in VP.
4. Shut off the DSLAM port and measure the N-PSD at the VP far-end side using a spectrum analyzer.
5. Repeat the steps above until all pairs have been measured.

#### **5. CONCLUSIONS**

The Working Group on Technology recommends that CITELE PCC.I-TIC endorses ITU-T Recommendation L.75 “Test, Acceptance and Maintenance Methods of Copper Subscriber Pairs” with no deletions, additions or modifications.

#### **6. RESOURCE DOCUMENT**

- [1] ITU-T Recommendation L.75 “Test, Acceptance and Maintenance Methods of Copper Subscriber Pairs”.

**PCC.I/RES. 163 (XVI-10)<sup>3</sup>**

**STRUCTURE AND TERMS OF REFERENCE FOR THE PCC.I WORKING GROUPS**

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

**CONSIDERING:**

- a) The new mandate for the PCC.I received from the Fifth Regular Meeting of the CITEL Assembly approved by Resolution CITEL RES. 64 (V-10);
- b) The Strategic Plan for the 2010-2014 period approved by Resolution CITEL RES. 59 (V-10);
- c) That during the XVI PCC.I meeting three lines of action were identified for the next period:
  1. Regulatory aspects;
  2. Technological aspects;
  3. Development and inclusion aspects
- d) That in the said PCC.I meeting a non- comprehensive list of general topics was identified, which relates to the lines of action that should be taken into consideration in the tasks entrusted to the working groups (Annex 2),

**RESOLVES:**

1. To approve the structure, mandate, terms of reference and authorities for the PCC.I Working Groups attached in Annex 1.
2. To approve the non-comprehensive list of general topics related to the lines of action that should be taken into consideration in the tasks entrusted to the working groups attached in Annex 2.
3. To repeal Resolutions PCC.I/RES. 91 (VIII-06) and PCC.I/RES. 104 (IX-06).
4. To appoint the Administrations of El Salvador and Peru as Vice-Chairs of the PCC.I.
5. To send a thanks note to the Chairs of the Working Groups of the PCC.I in operation during the period 2002-2006 for the excellent work carried out.

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<sup>3</sup> CCP.I-TIC/doc. 1983/10 rev.1

## ANNEX 1 TO RESOLUTION PCC.I / RES. 163 (XVI-10)

### 1. Working Group on Policy and Regulation (WGPR)

#### *Authorities*

CHAIR: Guatemala

VICECHAIRS: United States of America, Paraguay

#### *Mandate*

The Working Group on Policy and Regulatory Considerations (WGPRC) shall provide a forum where Member States and CITELE Associate Members can discuss and exchange information about regulatory aspects and telecommunications/ ICT policies emerging from the telecommunications/ICT in existence and changing environment of telecommunications/ICT. This Working Group shall prepare reports, proposals and guides to be considered by CITELE members and whenever necessary it shall coordinate the drafting of common proposals to be submitted before international fora.

#### *Terms of reference*<sup>4</sup>

- a. To promote the coordination, planning, and consensus among Member States with respect to tariff and economic matters, as well as to draw up recommendations on economic aspects and tariff principles of telecommunications/ICT services.
- b. To develop studies on the economic aspects and tariff principles of the telecommunications systems/ICTs and to examine the need for new or adapted charging and accounting mechanisms for the provision of such services in the Region.
- c. To study the requirements for conformity assessment procedures for telecommunication equipment in the different CITELE countries, including analyses for the possible harmonization of such processes in this Region, allowing, among other purposes, for the implementation of the Inter-American Mutual Recognition Agreement for Conformity Assessment of Telecommunications Equipment.
- d. To coordinate Regional arrangements for specific ITU events, as appropriate, such as the World Telecommunication Standardization Assemblies and the World Conferences on International Telecommunications, including the preparation of inter-American proposals (IAPs) and common positions, and to conduct interRegional consultations in preparation for these events.
- e. To raise awareness among the Member States of the status of regulations of new telecommunication networks and services in order to promote discussion of the topic and provide recommendations on how to implement an efficient, fair, functional, and forward-looking regulatory framework that serves the countries of the Region and can be adapted to the constantly evolving technological conditions and encourage the development of infrastructure, innovation, competition and legal certainty.

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<sup>4</sup> CCP.I-TIC/doc. 1988/10 rev.2



f. To perform studies on government policies, including those associated with the management of ccTLD, the comparative analysis on the experiences that identify the best practices in the countries of the Region, as well as the ones relating to Internet public policy aspects.

g. To study aspects related to the prevention, detection, policies and action as regards fraud and regulatory non-compliance practices in the telecommunications/ICT service provisioning, by recommending the best practices that allow minimizing the impact for Member States, users and operators.

h. To draft best-practice guides regarding the relationship between service users and providers.

i. To develop studies and mechanisms making it possible to implement international roaming for mobile telecommunications in the Americas Region in order to facilitate and improve access to services.

### ***Structure***

#### **1.1 Rapporteurship on the “Rights of users of public telecommunication services”<sup>5</sup>**

##### ***Authorities***

RAPPORTEUR: Dominican Republic

##### ***Mandate***

To disseminate, among Member States, the best practices, policies and procedures related to the rights of users of public telecommunication services.

##### ***Terms of reference***

a. To encourage the participation of Member States in this group.

b. To design and forward to CITELE Member States the questionnaire about the policies in force on the rights of users of public telecommunication services.

c. To identify papers and policies of other countries and international organizations.

d. To create a Technical Notebook including topics related to relevant regulations and procedures in favor of users.

#### **1.2 Rapporteurship on “Internet issues”**

##### ***Authorities***

RAPPORTEUR: Argentina

##### ***Mandate***

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<sup>5</sup> CCP.I-TIC/doc. 1986/10 rev.7

To focus on the study of governmental policies and experiences related to ccTLD, gTLD and IP address block management including a comparative analysis of these experiences to identify the “Best Practice” cases in the countries of the Region, and also aspects relevant to Internet development, working closely with the Internet technical community.

### ***Terms of reference***

- a. To continue working with the Member States and Associate Members to collect information on Internet Resources, including, but not limited to: ccTLD, gTLDs and IP address block management, including the activities of other competent entities.
- b. To analyze the policies of the Region on IP address block management.
- c. To follow up the activities of ICANN and other relevant organizations.
- d. To follow up on the tasks performed by the Group of the United Nations Secretary General on Internet Governance jointly with the Rapporteurship on Economic Aspects of telecommunications/ICT of the the Working Group on Policy and Regulation.
- e. To develop topics pertinent to Internet development and relevant to the associate members.
- f. To conduct on-site or distance-learning seminars, workshops and conferences to keep PCC.I members informed on and trained in Internet and its technologies.

## **1.3 Rapporteurship on “Convergence”**

### ***Authorities***

RAPPORTEUR: Uruguay  
CO-RAPPORTEUR: Argentina

### ***Mandate***

To conduct a research, from a regulatory approach, into the prevailing reality at an international level, and in particular, that of member countries, regarding convergence-related topics in order to issue reports and recommendations that contribute to adjusting the regulatory framework to a convergence context.

### ***Terms of reference***

- a. To identify the available information on the topic at an international level, and in particular, in the Americas Region.
- b. To draw up a document containing an analysis of the information collected, and based on such information, to propose the scope of the concept of convergence and its different categories.
- c. To propose specific recommendations regarding the adjustment of the regulatory frameworks.
- d. To assess, on the basis of the findings of the research, the need to add modifications to the Blue Book on convergence-related topics.

## 1.4 Rapporteurship on “Roaming”

### *Authorities*

RAPPORTEUR: Peru

### *Terms of reference*

- a. To gather views of the membership of PCC.I on international mobile roaming in order to help facilitate increased access to roaming services to a broader segment of the population.
- b. To identify relevant elements on which to focus in order to improve roaming services. These elements may include, but not be limited to,
  - a. A review of the impact of tax systems on mobile roaming rates, particularly double taxation.
  - b. Standardized formats for information exchange.
  - c. Prepaid roaming platform.
  - d. NRTSDE (Near Real Time roaming Data Exchange)
  - e. Calling Line Identification recognition.
  - f. Global roaming Quality implementation.
  - g. Development of an IP Multimedia Sub-System Regional platform.
  - h. Liberalization of International Gateways.
  - i. Bypass Fraud.
  - j. Unnoticed cross-border roaming.
  - k. Identification and analysis of local cross-border roaming zones.
  - l. Development of public policies and regulations to foster new solutions and accelerate improvement of telecommunication services.
  - m. Review of state-of-the-art technologies which could assist expansion of international roaming services.
- c. To consider developing best practices for providing roaming service information to consumers.
- d. To identify market developments that have occurred within administration, Regions and globally that have contributed to a reduction in roaming rates for consumers.
- e. To consider the implications of regulatory measures, such as liberalization of international gateways, on roaming tariffs.
- f. To consider the implications of pre-paid and post-paid roaming services on rates.
- g. To review studies and discuss measures and policies proposed by regulators, operators, government bodies, and other entities (such as associations and expert groups).
- h. To request, gather, classify and evaluate information from inter-American organizations, which are part of the Inter-American System, as well as from other organizations that are currently working or are interested in the development of the Roaming International Service in the Americas, such as the Latin American Forum of Telecommunications Regulators (REGULATEL), the Telecommunications Regional Technical Commission of Central America (COMTELCA), and the industry.

- i. To instruct the Rapporteur to act jointly with the PCC.I Chair and CITELE Executive Secretary to request international organizations to obtain the funding to support the work of the Rapporteurship.
- j. To instruct the CITELE Secretariat to serve as the point of contact with international financial institutions in support of this initiative.
- k. To participate actively in the various roaming procedures carried out at the Regional level.
- l. To coordinate with the Permanent Consultative Committee II: Radio communications, including Broadcasting.
- m. To identify and evaluate experiences, including international agreements, of Member States of CITELE which promote the development of cross-border international roaming services.
- n. That these Terms of reference recognize that work is currently underway within other organizations, for example, ITU-T Study Group 3, the Organization for Economic Cooperation and Development (OECD), the European Regulators Group (ERG), the Asia Pacific Economic Cooperation/Telecommunication (APECTEL), and MERCOSUR, the Andean Community of Nations (CAN) and the Central American Integration System (SICA). The results of these works should be considered by the rapporteur as they become available
- o. To coordinate and establish links with organizations forming part of the inter-American development system, such as the IDB, and other Regional and sub Regional institutions and organizations, in order to develop and promote international roaming services in the Region
- p. To undertake the development of surveys and organize workshops, as appropriate and agreed to by CITELE PCC.I Plenary.

### **1.5 Rapporteurship on “Regulatory non-compliance practices and fraud Control in telecommunications/ICT”**

#### ***Authorities***

CO-RAPPORTEURS: Argentina, Colombia

#### ***Mandate***

- a. To study and recommend strategies and best practices to detect and reduce fraud in the area of telecommunications/ICTs.
- b. To identify the main regulatory non-compliance behaviors that currently affect the normal development of telecommunications/ICT activities, for their subsequent analysis from a primarily technical and legal perspective, while discussing the best procedural practices, both for the regulator and the providers themselves, for the rapid and efficient interruption of the regulatory non-compliance behaviors and the applicable administrative sanction for the perpetrators.

#### ***Terms of reference***

- a. To study the various fraud modalities and unauthorized accesses to networks observed in the provision of telecommunication services.

- b. To define strategies and best practices to increase network security in order to minimize the effects of fraud and unauthorized accesses.
- c. To promote the Regional dialogue and exchange of information on telecommunication fraud and unauthorized accesses.
- d. To promote the application of the recommendations issued by PCC.I in the area of fraud control and regulatory non-compliance practices in the Region.
- e. To encourage user protection schemes which improve the user situation in the case of fraudulent actions.
- f. To define the concept of regulatory non-compliance practices and their scope.
- g. To analyze the regulatory non-compliance practices that affect telecommunication activities through the violation of regulations that govern telecommunication service provision.
- h. To investigate the causes of the occurrence and proliferation of regulatory non-compliance practices
- i. To establish guidelines for the control of regulatory non-compliance practices, at the regulator level, with the purpose of protecting the quality and security of communications.
- j. To issue recommendations to PCC.I Members regarding the adoption of action policies, with the purpose of setting common procedures to fight regulatory non-compliance practices.

## **1.6 Rapporteurship on “Mutual recognition agreements and conformity assessment procedures”**

### **Mutual recognition agreements**

#### ***Authorities***

RAPPORTEUR: Canada

#### ***Mandate***

To encourage the implementation of the CITELE Mutual Recognition Agreement, which can serve as an instrument to facilitate efficient trade of telecommunications equipment in the Region, to promote an effective regulatory cooperation, as well as to collaborate in the establishment of consistent procedures of market surveillance and exchange of information for the purpose of protecting the integrity of the telecommunication market in the Region.

#### ***Terms of reference***

- a. To continue the implementation of the Inter-American Mutual Recognition Agreement for conformity assessment of telecommunications equipment (MRA).

- b. To maintain and to support the MRA database to store information relevant to the implementation of the MRA.
- c. To cooperate and to maintain liaison with other Regional groups, the APEC TEL group in particular, in the implementation of the MRA.
- d. To study the market surveillance practices in the Region.

### **Conformity assessment procedures**

#### ***Authorities***

RAPPORTEUR: Mexico

#### ***Terms of reference***

- a. To maintain the discussion group on the “Yellow Book on Conformity Assessment Procedures Telecommunication products in the Americas” in CITEL’s electronic forum in order to include the necessary information for the corresponding document update.
- b. To study the requirements of the telecommunication equipment conformity assessment process in the different Member States.

### **1.7 Rapporteurship on “Economic aspects of telecommunications/ICTs”**

#### ***Authorities***

RAPPORTEUR: Argentina

#### ***Mandate***

To develop studies on the economic aspects and principles governing rates and/or prices of telecommunications/ICT services and analyze the need for new or adapted charging and accounting mechanisms for the delivery of those services in the Region. Furthermore, conduct best practices that can be considered in the regulatory frameworks of the member countries.

#### ***Terms of reference***

- a. To identify, study and assess cost models for the different telecommunications/ICT services; prioritizing the experience in the Region as well as the needs of member countries, permanently assessing the impact of new technologies.
- b. To identify, study and assess the economic aspects of the services based on new generation networks in the countries of the Region, considering the impact on the economic growth of the sector, and potential costs and savings.
- c. To study the economic aspects regarding tariffs and prices, access charges, interconnection, etc, considering the impact of new generation networks.

- d. To identify, study and assess the different factors of the telecommunication activity, its impact on economic growth and income distribution.
- e. To study the economic aspects related to the Internet in the Americas (Internet International Connectivity and Traffic Flow Methodologies).
- f. To study the competitiveness of the telecommunication markets, including the effect of anti-trust practices and regulatory measures for their prevention.
- g. To consider the activities of the ITU-T Study Group 3 so that CITELE contributions can be submitted.

## **1.8 Rapporteurship for the “preparation of WTSA and WCIT”**

### ***Authorities***

CO- RAPPORTEURS: Argentina, Mexico

### ***Mandate***

To coordinate Regional preparation for the World Telecommunication Standardization Assembly (WTSA) and the World Conference on International Telecommunications (WCIT), including the preparation of Inter-American Proposals (IAP) and common positions as well as doing inter-regional consultations for the preparation of those events.

### ***Terms of reference***

- a. To identify the issues that are relevant for the Region as regards the ITU Telecommunication Standardization Sector (ITU-T) and to discuss possible solutions and draw up proposals to address those issues.
- b. To coordinate Inter-American Proposals to be submitted to the WTSA by CITELE.
- c. To follow-up on the ITU tasks on the International Telecommunication Regulations in order to coordinate Inter-American Proposals for the World Conference on International Telecommunications (WCIT).

## **2. Working Group on Development (WGD)**

### ***Authorities***

CHAIR: Mexico  
VICECHAIRS: Uruguay

### ***Mandate***

The Working Group on Development (WGD) will identify specific actions aimed at reducing the digital divide and encouraging the universalizing of telecommunications/ICT that enable the development of a network infrastructure, access to new services, and technology and knowledge transfer, to promote economic, social and cultural development.

### *Terms of reference*<sup>6</sup>

- a. To identify, formulate and carry out development projects that contribute to the improvement of telecommunications in the Region and capacity-building, as well as coordinate the search for resources from international organizations, non-governmental organizations, and private industry.
- b. In coordination with the Coordination Center for the Development of Human Resources of the Permanent Executive Committee of CITELE (COM/CITELE), to identify needs for human capacity development, and to prepare the telecommunication training program of CITELE.
- c. To promote the transfer of knowledge and the scientific and technological cooperation among CITELE Member States and associate members, through the access and appropriation of telecommunications/ICT services to reduce the digital divide, in the pursuit of social inclusion.
- d. To formulate and implement projects promoting the development of indigenous peoples and communities, unattended groups and groups with specific needs in the area of telecommunications/ICT, facilitating its access, use and social appropriation.
- e. To propose, develop and disseminate strategies that allow telecommunication infrastructure, including emergency communications, to be identified as a decisive factor in natural disaster prevention, mitigation, aid, relief, and reconstruction actions.
- f. To follow up on the work done in the Telecommunication Development Sector of the International Telecommunication Union and, to the extent possible, to submit proposals in its Study Groups, as well as collaborate with the Conference Preparatory Working Group of COM/CITELE in the formulation of Inter-American Proposals for the World Telecommunication Development Conference (WTDC) of the ITU in order to promote the evolution of telecommunication networks in the countries of the Americas.
- g. To implement and follow up on the cooperation agreements with other international organizations that address topics of interest to the Committee with the purpose of consolidating the relationship with those organizations and of expediting the information exchange and the possible joint works.
- h. To promote the development of telecommunications/ICT applications that improve the quality of life of the inhabitants in the Region through the identification of needs that can be met with the use and appropriation of telecommunications/ICT, identifying their impact in the Region.

### *Structure*<sup>7</sup>

#### **2.1 Rapporteurship on the "use of telecommunications in the prevention and mitigation of Catastrophes and Disasters"**

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<sup>6</sup> CCP.I-TIC/doc. 1987/10 rev 3

<sup>7</sup> CCP.I-TIC/doc. 1987/10 rev 3



### *Authorities*

RAPPORTEUR: United States of America  
CO-RAPPORTEUR: Chile

### *Mandate*

To propose and develop recommendations and provide information to CITELE Member States that enable telecommunication infrastructure to be used as a decisive factor in disaster prevention, mitigation, relief, and reconstruction actions.

### *Terms of reference*

- a. To develop Recommendations to ensure the least impact on the telecommunication sector in the event of disasters.
- b. To coordinate between Member States for the restoration of telecommunications/ICT services.
- c. To advice for telecommunication network reconstruction.
- d. To support the efforts made by the ITU worldwide, as regards the Administrations' design and implementation of Recommendations prior, during and post occurrence of a natural disaster.

## **2.2 Rapporteurship on “Matters of common interest to CITELE and other organizations”**

### *Authorities*

RAPPORTEUR: Argentina

### *Mandate*

To focus in the identification and the study of matters of common interest to CITELE and other organizations in pursuit of the implementation of Cooperation Agreements, as well as provide follow-up to those Agreements in existence, with the objective of advancing in the preparation of joint projects and activities beneficial to the development of the Region.

### *Terms of reference*

- a. To identify organizations dealing with matters of common interest with that of CITELE, with the objective of establishing Cooperation Agreements in development areas.
- b. To analyse those existing Cooperation Agreements with the objective of identifying specific topics of interest for the Working Group.
- c. To propose the development of joint projects.
- d. To establish links with other organizations who have already advanced in similar cooperation agreements, as necessary, with the goal to advance the tasks.

### **2.3 Rapporteurship on “ICTs for social inclusion”**

#### ***Authorities***

RAPPORTEUR: Dominican Republic

#### ***Mandate***

To analyze and research the problems of the digital divide with the objective of outlining specific actions aiming for a reduction on the same, promoting the social inclusion and appropriation of telecommunications/ICT, taking into consideration the needs of the social groups, minorities or vulnerable.

#### ***Terms of reference***

- a. To evaluate the needs of social groups with specific problems associated with the access, use and appropriation of ITC's, promoting in this manner their social inclusion.
- b. To encourage intellectual and socio cultural development, through the use of new technologies and its possible applications, taking into consideration the background and best practices with the objective of reaching concrete projects.
- c. To identify and propose indicators with the objective of evaluating the impact of the actions to reduce the digital divide.
- d. To encourage the participation of the civil society and similar organizations, taking into consideration the input that they might do for the work of by the Rapporteurship.

### **3. Working Group on Deployment of Technologies and Services (WGDTS)<sup>8</sup>**

#### ***Authorities***

CHAIR: Canada

VICE-CHAIRS: Argentina, United States of America

#### ***Mandate***

The Working Group on Deployment of Technologies and Services will focus on topics related to the introduction of telecommunications/ICT services on traditional networks as well as next generation and convergence networks, aimed at satisfying the needs of Member States and users in collaboration with associate members.

The Group will also produce and recommend guidelines for the adoption and implementation of standards, conformity assessment and interoperability, as well as, deployment frameworks, methodologies

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<sup>8</sup> CCP.I-TIC/doc. 1989/10 rev.1 cor.1

and best-practices for cyber security, numbering, climate change, advanced services/applications and infrastructures that best serve the current and future needs of the users of networks throughout the Region.

### ***Terms of reference***

- a. To identify and evaluate technical issues relating to the service, architecture and protocol standards, and their conformity assessment, required for interconnection and interoperability of existing and future communications networks (wireline and wireless) across the Region that will ultimately result in the emergence of a single, seamless network.
- b. To develop frameworks, architectures and scenarios to foster the enhanced understanding of new infrastructures, services and related technologies in the Region of the Americas - how they interrelate, and how they contribute to network, service and application convergence and evolution.
- c. To study the security aspects related to telecommunication networks and ICTs, governmental and nongovernmental, its role in supporting other critical infrastructures, the role of the private sector in securing the communication network, and domestic and Regional approaches required in the Region of the Americas on this matter.
- d. To identify and evaluate technical issues related to Numbering Plans for the network evolution and new services, and to meet the demand of numbering resources to support convergent networks.
- e. To identify and assess the impact of ICTs on Climate Change, in particular the reduction of ICTs own emissions over the entire lifecycle (direct impact), the mitigation that follows through the adoption of ICTs in other relevant sectors (indirect impact), and facilitating the monitoring of relevant climate parameters.
- f. To establish liaisons with other standards organizations and industry fora as necessary to advance the work.

### ***Structure***

#### **3.1 Rapporteurship on “Standards, Conformity and Interoperability”**

#### ***Authorities***

RAPPORTEUR: United States of America

#### ***Mandate***

To study Information and Communication Technology (ICT) standards development activities and the conformity of products and network deployments to ICT standards. Focus on the continued evolution toward converged networks with the intent to ensure interoperability of network equipment, networks, and services.

To produce documentation (e.g., Standards Coordination Documents and Technical Notebooks) that facilitates 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.

## *Terms of reference*

- a. To identify and evaluate technical issues related to Information and Communication Technology (ICT) standards required for the interconnectivity and interoperability of existing and future networks (wireline and wireless) across the Region. To draw primarily on the work of existing standards-setting bodies, including the ITU-T, IETF, and other fora as appropriate.
- b. To recommend endorsement and deployment of those specific ICT standards that are judged to have particular and significant impact for the Americas Region. These standards include, but are not limited to, the following topics:
  - Next Generation Networks (architectures, services, protocols);
  - Mobile telecommunications (wireless Internet, convergence of mobile and fixed networks; LTE, mobility management, mobile multimedia network functions and services);
  - Information and communication network security (cyber security, identity management, fraud prevention, etc.);
  - Multimedia service definitions and architectures (including IPTV);
  - Home networking;
  - Management of communications services, networks and equipment;
  - Emergency telecommunications;
  - Access and network transport (Wireless LANs, xDSL, cable modem, optical fiber, etc.);
  - Performance, Quality of Service (QoS), Quality of Experience (QoE).
- c. To study the mechanisms and methodologies that assist in the evaluation of product and network conformity to existing standards (test specifications, protocol implementation conformity statements, etc.).
- d. To study the selections of standards/options that maximize interoperability and the testing programs that verify particular interworking and interoperability scenarios.
- e. To identify, on a timely and ongoing basis, issues and impediments in assessing product conformity with standards and in ensuring interoperability.
- f. To conduct studies on the application of technical regulations in aspects related to security and the protection of human life, the telecommunication infrastructure and the radioelectric spectrum, as well as those related to network interoperability and service quality.
- g. To identify recommendations and technical standards issued by the ITU and other standardization organizations that may be incorporated as technical regulations by Member States.
- h. To develop effective mechanisms to facilitate the regulatory cooperation among member states, including the compatibility of technical regulations.
- i. To develop Technical Notebooks that facilitate information sharing and raise awareness of the ICT standards development, conformity assessment and interoperability activities that best serve the current and future needs of the users of these networks throughout the Region.
- j. To establish liaisons with other standards bodies and industry fora as necessary to progress the work.

### **3.2 Rapporteurship on “Network Infrastructure and Service Deployment”**

#### *Authorities*

RAPPORTEUR: Paraguay

#### *Mandate*

To focus on the development of frameworks, architectures and scenarios to foster the enhanced understanding of new networks and related technologies in the Region of the Americas, how they interrelate, and how they contribute to network and service convergence and evolution. It will make specific recommendations (e.g., Technical Notebooks) and related policy guidelines that best serve the current and future needs of the users of telecommunications networks throughout the Region.

#### *Terms of reference*

- a. To develop frameworks, architectures and scenarios to foster the enhanced understanding of new networks and related technologies in the Region of the Americas - how they interrelate, and how they contribute to network and service convergence and evolution.
- b. To investigate, report on, and raise awareness of new network technologies, such as Next Generation Networks and Broadband Access, and advanced services, particularly those supported by IP, such as Cloud Computing and Smart Grids; and their application among the Member States of the Region.
- c. To develop Technical Notebooks and related policy guidelines that best serve the current and future needs of the users of telecommunications networks throughout the Region.
- d. To identify, on a timely and ongoing basis, obstacles that could prevent full interoperability of networks throughout the Americas and to report on these to the Working Group.
- e. To establish liaisons with other industry fora as necessary to progress the work.

### **3.3 Rapporteurship on “Cybersecurity and Vulnerability Assessment”**

#### *Authorities*

RAPPORTEUR: United States of America

#### *Mandate*

To study the security aspects related to communication network development, its role in supporting other critical infrastructures, the role of the private sector in securing the communication network, and domestic and Regional approaches required in the Americas Region on this matter. Assessing the current work undertaken in the OAS, ITU, and other fora on issues pertaining to the security and critical infrastructure communication networks across the Region. This issue should cover, but not be limited to:

- To develop domestic and Regional approaches to network security, deployment strategies, information exchange, and outreach to the public and the private sector.
- To review the various frameworks and guidelines on networks and cyber security and their applicability within the Americas Region.
- To foster dialogue regarding the work of the ITU (i.e., Study Group 17) and other relevant fora on networks and cyber security.

### ***Terms of reference***

- a. To develop domestic and Regional approaches to network security, deployment strategies, information exchange, and outreach to the public and the private sector:
  - To collect Regional best practices for network communication and infrastructure protection, taking into account ongoing activity in the ITU-D sector (question 22/1).
  - To review the various frameworks and guidelines on network and cyber security and their applicability within the Americas Region.
- b. To foster cooperation among Member States on aspects related to network security:
  - To help Administrations to encourage network and service providers to implement technical standards for secure networks.
- c. To identify and evaluate implementation and policy issues relating to standards required for security of existing and future communications networks (wireline and wireless) across the Region. This task will draw primarily on the work of ITU-T (especially the security Study Questions of SG 17), other existing standards-setting bodies, including the IETF, and Regional Standard Development Organizations (SDOs) will also be considered, as appropriate.
- d. To identify, on a timely and ongoing basis, obstacles to implementation of security measures in the networks of the Region.
- e. To establish liaisons with other standards bodies and industry fora as necessary to advance work on the OAS mandates.

## **3.4 Rapporteurship on Telecommunications Numbering and Addressing**

### ***Authorities***

RAPPORTEUR: Brazil

### ***Mandate***

To identify and to evaluate technical issues related to Numbering Plans for the network evolution and new services, and to meet the demand of numbering resources to support convergent networks, as well as creation of specific recommendations and Technical Notebooks.

### ***Terms of reference***

- a. To identify and evaluate technical issues related to Numbering Plans for the network evolution and new services.
- b. To identify Recommendations of the ITU and other bodies and fora as appropriate.
- c. To establish liaisons with other standard bodies and industry fora as necessary to advance the work.
- d. To develop studies on the impact of new services on convergent networks.
- e. To study topics related to services, numbering systems and addressing.
- f. To elaborate best practices guidelines of Numbering Plans.
- g. To study and evaluate technical issues related to portability.

### **3.5 Rapporteurship on “ICTs, Environment and Climate change”**

#### ***Authorities***

RAPPORTEUR: Ecuador

#### ***Mandate***

To investigate global efforts to fight climate change, the increase in the use of renewable energy supplies and green policies and procedures for the management of technology waste.

To encourage member countries to implement programs for the reduction of GHG (Greenhouse Gases) with the objective of developing reports, best practices and recommendations that serve as a reference for CITELE member countries.

#### ***Terms of reference***

- a. To identify and assess the impact of ICTs on the environment and Climate Change, in particular the reduction of ICTs own emissions over their entire lifecycle (direct impact), the mitigation that follows through the adoption of ICTs in other relevant sectors (indirect impact), and facilitate the monitoring of relevant climate parameters.
- b. To conduct analysis and produce recommendations related to the electromagnetic compatibility for telecommunication equipment and their installations, safety of personnel that operate telecommunications equipment against possible harm by high voltage and avoid health risks from electromagnetic fields emitted by telecommunications equipment.
- c. To identify information already developed by the different international organizations with the objective of performing a benchmark and tailor them to the Regional needs.
- d. To propose recommendations for technology waste management.
- e. To propose mechanisms intended to protect the environment, for example, electronic information transfers which reduce paper consumption, digital video and photography management to eliminate chemicals that have carcinogenic effects (reduce consumption of tapes and plastics), electrical appliances

with remote controls, home energy saving, distance learning, telemedicine to reduce transfers and contaminant materials.

**ANNEX 2 TO RESOLUTION PCC.I/ RES. 163 (XVI-10)**

<b>POLICIES AND REGULATION</b>	<b>DEVELOPMENT</b>	<b>DEPLOYMENT OF TECHNOLOGIES AND SERVICES</b>
<ul style="list-style-type: none"> <li>• Economic and Regulatory Aspects of Telecommunications/ ICTs</li> <li>• Convergence</li> <li>• Preparation of the WTSA WCIT</li> <li>• Internet Aspects</li> <li>• User Rights</li> <li>• Roaming</li> <li>• Mutual Recognition Agreements and Conformity assessment procedures</li> <li>• Control of Fraud and regulatory non-compliance practices</li> </ul>	<ul style="list-style-type: none"> <li>• Digital divide</li> <li>• Access and Inclusion</li> <li>• Capacity Building</li> <li>• Use of ICTs for Disaster Prevention and Mitigation</li> <li>• Collaboration with UPAEP</li> <li>• ICTs applications</li> </ul>	<ul style="list-style-type: none"> <li>• Technical Regulation</li> <li>• Standards and Interoperability</li> <li>• Environment and Climate Change</li> <li>• Infrastructure</li> <li>• Services</li> <li>• Mobility</li> <li>• Cybersecurity</li> <li>• Numbering and Addressing in Telecommunications</li> </ul>



**WORKSHOP ON THE USE OF TELECOMMUNICATIONS FOR DISASTER  
RELIEF AND PREVENTION**

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

**CONSIDERING:**

- a) That natural disasters such as hurricanes, earthquakes, seaquakes (tsunamis) have increased their frequency and magnitude across the Globe;
- b) That only in 2010, two powerful earthquakes have strongly hit the American hemisphere, specifically Haiti and Chile; and another one hit Peru previously;
- c) That there are increasing efforts at worldwide level regarding life saving and restoration of telecommunications after a natural disaster;
- d) That countries and international organizations have efficient procedures that facilitate rescue operations;
- e) That, during the last 2006 – 2010 quadrennial, the Rapporteurship on the “Use of Telecommunications for Disaster Relief and Prevention” coordinated the drafting of a Technical Notebook on this issue, containing the regulations, polices and experiences of the countries in the Americas, as well as of International organizations;
- f) That one of the specific objectives of CITEI in the Strategic Plan for the period 2010-2014 is “To serve as a means for the Member States to channel their needs regarding natural disaster mitigation and – should the need arise – their telecommunication needs, including in kind donations and collaboration of human capital.”;
- g) That in the XVI Meeting of the PCC.I, during the presentation of the aforementioned plan, delegates of the meeting mentioned the importance of holding a Workshop on the topic and in an earlier date than the one proposed;
- h) That it is considered important to share experiences, lessons learnt, standards, procedures, is deemed important, as well as the roles that governments, the Industry and the international organizations should play in the early warning and restoration of telecommunications after a natural disaster;
- i) That, during the XVI Meeting of the PCC.I a Preliminary Agenda was developed,

**ACKNOWLEDGING:**

That a Workshop underscoring the facts and the logistics required for the use of telecommunications for disaster relief and prevention can improve the response on the part of governments and the

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<sup>9</sup> CCP.I-TIC/doc. 1977/10 rev.1

telecommunication industry in the dissemination of information, life saving lives and restoration of telecommunication infrastructure,

**RESOLVES:**

1. To hold a Workshop on “The Use of Telecommunications for Disaster Relief and Prevention” during two sessions of the Working Group on Development at the XVII Meeting of PCC.I.
2. To appoint Mr. Sócrates E. Martínez de Moya as the Coordinator of the Seminar on behalf of PCC.I. in coordination with the Rapporteurship on the use of telecommunications in the prevention and mitigation of Catastrophes and Disasters.
3. To hold Tutorials on line between the XVI and the XVII Meeting and between the XVII and the XVIII Meeting of PCC.I on some of the topics specified in the preliminary agenda.

**ANNEX TO RESOLUTION PCC.I/RES. 164 (XVI-10)**

**PRELIMINARY AGENDA**

- a) Introduction: brief experience of the countries of the Americas that were impacted in the recent mid-term.
- b) Early Warning.
- c) Telecommunication Networks for emergency situations.
- d) International Cooperation and its coordination (their role, CITELE, ITU, among others).
- e) Role of the industry and its impact in emergency management and prevention.
- f) Critical infrastructure. Protection and recovery.
- g) Lessons learnt and underlying procedures.
- h) Telehealth.

**PCC.I/RES. 165 (XVI-10) 10**

**INTERNET SITE OF INDIGENOUS PEOPLES FOR MEMBER STATES**

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

**CONSIDERING:**

- a) That the World Summit on the Information Society (WSIS) in its Plan of Action and Declaration of Principles, as well as in other documents that are derived from the Tunisia Second Phase and the e-LAC 2007 Plan, have highlighted the importance of conducting specific actions in favor of the indigenous peoples that allow them to participate in the Information Society within a framework of respect towards their legacy and cultural heritage;
- b) That the actions on this subject include connectivity, participation in the development of policies that allow them to disseminate their language, and the strengthening of their participation in the protection of the environment, by means of the appropriation and use of the ICTs;
- c) That the Doha Action Plan of the World Telecommunication Development Conference (WTDC-06) has established various actions related to the development of telecommunications in indigenous communities, especially by means of Resolution 11 which recommends special attention to the needs of indigenous peoples in each course of action of the Telecommunication Development Bureau of the International Telecommunication Union (ITU);
- d) That in the 2007 United Nations Declaration on the Rights of Indigenous Peoples, establishes that such peoples have the right to administer their own means of information in their own languages and to access all the other non-indigenous means of information, without any discrimination whatsoever; and that the States adopt effective measures in order to ensure that the means of information duly reflect the indigenous cultural diversity and fully ensure freedom of expression;
- e) That the Indigenous Peoples gathered in a World Forum in Ottawa, Canada, proposed in their Report of the WSIS Indigenous Thematic Planning Conference for Tunisia, 2005, that the ICTs should be used to promote linguistic and cultural diversity within the sustainable development strategies; to strengthen Regional coordination in order to share experiences and information and to create video and written records;
- f) That the Working Group on Development of the PCC.I, has, as a term of reference, the formulation and implementation of projects supporting the development of the indigenous peoples and communities, of groups with unattended needs and with specific issues related to telecommunications/ICTs, facilitating their access, use and social appropriation;
- g) That the Rapporteurship on ICTs for social inclusion, has the mandate to promote social inclusion and appropriation of the telecommunications/ICTs, taking into consideration the needs of minority or vulnerable social groups;

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<sup>10</sup> CCP.I-TIC /doc. 1992/10 cor.1

h) That the National Program of the Information Society (PSI) of the Secretariat of Communications of Argentina, has developed the Civitas2 application on which the Internet Site of the Communicators of the Indigenous Peoples of Argentina is placed, and that by means of this application, these peoples have the possibility to spread and claim their identity and cultural diversity, their languages, their particular needs, and use it as a means of communication and dissemination among other peoples and societies;

i) That this Internet Site is used and administered by a Group of Communicators of Indigenous Peoples, who have shown a fast and successful appropriation, and it constitutes a leading case of good practices and social inclusion;

j) That it was agreed to incorporate the presentation on this subject to the document on better practices related to the development of ICTs for areas and groups with unattended needs or with particular situations;

k) That the Delegation of Argentina, through the PSI, has made the “Civitas 2” application available to CITEI, so that it can be used by the different delegations that require it,

#### **RESOLVES:**

1. To accept the offer of the Administration of Argentina to make the Civitas2 application available to CITEI and the knowledge transfer that is required to develop the Internet Site of the Communicators of Indigenous Peoples, developed by the PSI, so that it can be used by the different Administrations that require it.

2. To disseminate, by means of CITEI’s Internet page and electronic newsletter, the experience and implementation of the Internet Site of the Communicators of Indigenous Peoples so that it can be effectively known and used by the Member States.

3. To incorporate the document on the “Web of the Communicators of Indigenous Peoples of the Argentine Republic” as an annex to the document on “Best Practices for the Development of ICTs among Indigenous Peoples of the Americas Region” (CCP.I-TIC/doc.1993/10).

#### **INSTRUCTS THE SECRETARIAT OF CITEI:**

To conduct the necessary coordination between the Member States and the Administration of Argentina so that they can have access to the use of the application.

**ITU AND CITEL REGIONAL CYBERSECURITY  
CAPACITY BUILDING WORKSHOP FOR THE AMERICAS  
“INTERNATIONAL COOPERATION FOR BUILDING A CULTURE OF HEMISPHERIC  
CYBERSECURITY”**

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

**CONSIDERING:**

- a) That PCC.I has recognized the central role of telecommunications in cybersecurity, and has created its own work program to focus and coordinate technical standardization and highlight regulatory issues associated with developing a culture of cybersecurity in the Region;
- b) That ensuring the security of information systems is a priority matter for the hemisphere, as information networks play an important part in the critical infrastructure of countries, their economies, and societies;
- c) That CITEL has fostered dialog in the past with the International Telecommunication Union (ITU) on Network and Cyber security, taking into account the Standardization work of Study Group 17 and the ongoing activity in the ITU-D sector (Question 22/1);
- d) That CITEL is working, with the Inter-American Committee against Terrorism (CICTE) and the Justice Ministers and Attorneys General of the Americas (REMJA) of the Organization of American States (OAS), in a coordinated manner to advance the objectives of the hemisphere related to these important matters,

**RECOGNIZING:**

- a) That CITEL supports an active multi-disciplinary approach to cybersecurity that pools its efforts with the efforts and expertise of CICTE and REMJA;
- b) That the Comprehensive Inter-American Strategy to combat threats to cybersecurity relies on the efforts and specialized knowledge of CITEL, CICTE, and REMJA;
- c) That a joint CITEL/ITU workshop will advance greater understanding of the critical issues related to cybersecurity for state and national governments and will provide a forum for information sharing, human capacity development, and continued collaboration among participants,

**RESOLVES:**

1. That PCC.I hold a one-day joint ITU and CITEL Regional Cybersecurity Capacity Building Workshop for the Americas on November 1, 2010 the day before of the XVII Meeting of CITEL PCC.I, based on the draft agenda in the Annex to this Resolution.

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<sup>11</sup> CCP.I-TIC /doc. 1991/10 rev.1

2. That the CITEL Secretariat, with the Chair of PCC.I and the Rapporteurship of this subject, will coordinate this event and agenda with the ITU.
3. To encourage PCC.I members to participate in this Workshop.
4. That this Seminar shall be held without using the financial resources of CITEL.

**ANNEX TO RESOLUTION PCC.I/RES. 166 (XVI-10)**

**DRAFT AGENDA**

**ITU AND CITEL REGIONAL CYBERSECURITY CAPACITY BUILDING WORKSHOP FOR THE AMERICAS**

**“International Cooperation for Building a Culture of Hemispheric Cybersecurity”**

1 November 2010, Salta, Argentina (TBC)

<b>08:00–09:00</b>	<b>Meeting Registration and Badging (Online pre-registration required)</b>
<b>09:00–09:20</b>	<b>Meeting Opening and Welcoming Address</b>
	<p><i>Opening Remarks:</i> Host country representative</p> <p><i>Opening Remarks:</i> CITEL</p> <p><i>Opening Remarks:</i> International Telecommunication Union (ITU)</p>
<b>09:20–10:30</b>	<b>Session 1: Understanding the Global and Hemispheric Cyber Threat Environment</b>
	<p><i>Session Description:</i> Confidence and security in using information and communication technologies are vital for building an inclusive, secure and global Information Society. The need to promote cybersecurity and protect critical infrastructures at the national, Regional and international level is generally acknowledged. This session shares an overview of the current cyber-threat landscape highlighting main threats and trends, and provides an insight into the challenges faced by countries, businesses and citizens in managing their every-day lives in this new and constantly changing environment. It further explores how countries in the hemisphere can evaluate risks related to possible attacks, by knowing what assets are critical to their national context and what different stakeholders need to be involved. It also details Regional activities carried out by OAS entities – CITEL, CICTE, and REMJA. (15 minutes for ITU, 15 for CITEL, 15 for CICTE, and 15 for REMJA)</p>
<b>10:30–10:45</b>	<b>Break</b>

<b>10:45–12:15</b>	<b>Session 2: Technical Standards and Trusted information Sharing for improved Hemispheric Cybersecurity, and to build a Culture of Hemispheric Cybersecurity</b>
	<p><i>Session Description:</i> Each country and Region has its own requirements and needs that are to be addressed taking in consideration given the specific national and Regional context. One part of this session presents some of the main activities of standards development organizations (SDOs), focusing on topics such as security architecture, cybersecurity, security management, identity management, security baseline for network operators, the Global Cybersecurity Information Exchange Framework (CYBEX) and the ICT Security Standards Roadmap initiated by ITU-T Study Group 17.</p> <p>As national public and private sector actors bring their own perspective to the relevant importance of issues, the role of Regional and international standards development bodies becomes increasingly important. The second part of this session will discuss partnerships and consider the role of national, Regional and international activities in this context. By providing an understanding of each party’s roles and responsibilities in cybersecurity and participating in reciprocal information sharing, dedicated and functional partnerships can mitigate and reduce risk and implement a comprehensive approach to cybersecurity.</p> <p>Promoting a culture of cybersecurity is critical for each country. Close collaboration is needed among all relevant stakeholders. As such the work that has been done in ITU-D Study Group 2, Question 22/1, has been fundamental to educating stakeholders in this regard. The third part of this session will provide an overview of the work that has been done in Question 22, and the synergies among parties in the Region.</p>
<b>12:15–13:15</b>	<b>Break</b>
<b>13:15–15:00</b>	<b>Session 3: Defining Sound Organizational Structures and Developing Incident Management Capabilities to facilitate Hemispheric Cyber-security</b>
	<p><i>Session Description:</i> A key activity for addressing hemispheric cybersecurity requires the establishment of watch, warning and incident response capabilities to prepare for, detect, manage, and respond to cyber incidents. Effective incident management requires consideration of funding, human resources, training, technological capability, government and private sector collaboration, and legal requirements. This session discusses best practices, organizational structures and related standards in the technical, managerial and financial aspects of establishing national, Regional and international watch, warning, and incident response capabilities.</p> <p>The first part of this session will elaborate on the requirements for establishing watch, warning and incident response capabilities to respond to cyber incidents. This will include a demonstration of how a country can attempt to defend their networks against hostile attacks. What kind of indications will they be experiencing on their networks, what tools can they use to detect the intrusion, what tools are useful in managing and responding to the attack and what processes and procedures should the country have put in place beforehand.</p> <p>The second part of this session will highlight the work being done by the OAS to promote a hemispheric culture of cybersecurity, particularly through Computer Security Incident Response Teams (CSIRTs) development and human-capacity development.</p>

<b>15:15–15:30</b>	<b>Break</b>
<b>15:30–17:00</b>	<b>Session 4: Capacity Building and International and Hemispheric Cooperation</b>
	<p><i>Session Description:</i> The realities of cyberspace make it clear that everyone has to work together. Responding effectively to cyber-threats requires resources, know-how and strong investments on capacity developments. A key element is bringing together all relevant stakeholders to address the common cybersecurity challenges and develop solid capacity building plans. This session examines possible mechanisms to build capacity in an effective manner, through collaboration and cooperation among all stakeholders at the national, Regional and international level, for enhanced hemispheric cybersecurity and includes a focus on the important role of the private sector.</p> <p>It also includes a focus on benchmarking study/stock-taking exercise to provide Member States in the Americas Region with information to allow them to contrast and compare various current policies that are being implemented across the hemisphere as embodied in United Nations General Assembly Resolution 64-211.</p>
<b>17:00–17:15</b>	<b>Workshop Wrap-Up, and Stock-taking</b>

**PCC.I/RES. 167 (XVI-10)**<sup>12</sup>

**AGENDA, VENUE AND DATE FOR THE XVII AND XVIII MEETINGS OF PCC.I**

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

**RESOLVES:**

1. To hold the XVII Meeting of the Permanent Consultative Committee I: Telecommunications/ICT in Salta, the Republic of Argentina, November 2 to 5, 2010.
2. To hold the XVIII Meeting of the Permanent Consultative Committee I: Telecommunications/ICT in Lima, the Republic of Peru, March 1 to 4, 2011.
3. To adopt the Draft Agenda for the XVII Meeting of PCC.I attached to this Resolution.

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<sup>12</sup> CCP.I-TIC /doc. 1996/10



**ANNEX TO RESOLUTION PCC.I/RES. 167 (XVI-10)**

**DRAFT AGENDA**

1. Approval of the agenda and calendar of activities.
2. Establishment of the Drafting Group for the Final Report.
3. Plans and work methods for the Working Groups.
4. Report and meeting of the Working Groups:
  - 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 Ad Hoc Group on work methods of PCC.I
5. Agenda, venue and date for the XVIII Meeting of PCC.I.
6. Approval of the Final Report.
7. Other Business.

#### **IV. RECOMMENDATIONS**

##### **PCC.I/REC. 6 (XVI-10)<sup>13</sup>**

#### **ADOPTION OF MEASURES TO ESTABLISH PROCEDURES FOR INSTALLING MINIMUM COMMUNICATION EQUIPMENT AT TIMES OF NATURAL OF DISASTERS**

The XVI Meeting of Permanent Consultative Committee I: Telecommunications/Information and Communication Technologies,

#### **CONSIDERING:**

- a) That, in some countries of the Americas, there is a need to install minimum telecommunication equipment in the event of natural disasters;
- b) That the installation of adequate telecommunication equipment infrastructure in some countries is a long-term matter;
- c) That the natural phenomena of earthquakes and tsunamis cannot be forecast at a precise time and date;
- d) That climate change on Earth constitutes a prevailing and unforeseeable reality;
- e) That progress made in telecommunications/ICTs currently enable and facilitate ideal access to effective communication worldwide;
- f) That relief institutions such as fire brigades, civil defense, Red Cross, and radio amateurs must rely on an effective communication system to report natural disasters to international organizations at the time they occur and afterwards,

#### **RECOGNIZING:**

- a) That the Tampere Convention (Finland, 1998) calls on Administrations to install and establish telecommunication procedures for disaster mitigation and relief operations that have not yet been adopted by some of the countries of the Americas;
- b) That the Yokohama Plan of Action (1994) highlights telecommunications as a key factor in relief situations and emergencies, for the benefit of a safer world;
- c) That United Nations Resolution 51/194 advocates the introduction of a global humanitarian information system for the dissemination of reliable and timely information on emergencies and natural disasters;
- d) That International Telecommunication Union (ITU) Resolution 7 adopted at the World Telecommunication Development Conference (Buenos Aires, 1994) urges governments to take all the measures needed to facilitate the rapid deployment and effective use of telecommunication equipment for

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<sup>13</sup> CCP.I-TIC /doc. 1928/10

the purpose of mitigating the impacts of disasters and to suppress the regulatory obstacles to the development of telecommunications in relief operations;

e) That ITU Resolution 36 adopted at the Plenipotentiary Conference (Rev. Antalya, 2006) recognizes the usefulness of new telecommunication technologies to warn and prevent disasters and recommends the suppression of regulatory obstacles to telecommunication equipment that could obstruct relief operations;

f) ITU Resolution 647 on “Spectrum management guidelines for emergency and disaster relief radiocommunication”, whereby Administrations, national regulatory authorities and relief operation agencies and organizations are assisted in their activities to prepare emergency communications, in conformity with the operating procedures provided for in disaster situations, by the transmittal of data on frequencies available in case of emergency;

g) That Recommendation PCC.III/REC. 24(VI-96) of CITELE recommends that each one of the countries of the Americas draw up a National Plan to provide emergency communication and that terrestrial mobile service resources be strengthened to help in disaster relief communications;

h) The work carried out by the Rapporteurship on the Use of Telecommunications for Disaster Relief and Prevention of CITELE’s Working Group on Development;

i) That there are other resolutions and recommendations on the deployment of terminals and others for the development of strategies to reduce the vulnerability of telecommunication infrastructure to natural disasters and to foster the use of all kinds and means of communication that can contribute to gaining access to communications in case of disaster;

**CONSIDERING:**

The most recent seismic movements and their increasing frequency and magnitude in the Americas, as in Chile, Dominican Republic, Haiti, Mexico, Peru, Puerto Rico and other countries,

**RECOMMENDS:**

1. That the Member States of CITELE consider adopting simple and effective procedures which, subject to the legal framework allowed for relief operations in response to emergencies and natural disasters, facilitate the free circulation and implementation of satellite terminals or any telecommunication equipment that each Administration might deem necessary in the event of natural disasters or emergencies.

2. That the companies holding public telecommunication concessions in the country of the disaster facilitate, to the extent possible, the infrastructure needed for relief operations in the event of natural disasters or emergencies.

3. That, in the case of border countries, essential facilities be granted to duly identified telecommunication technical experts, equipments and vehicles for relief assistance, or for the restoration of telecommunications in the neighboring country.

4. That every Administration have, in the central office of its relief and aid institutions, at least one (1) satellite phone and one (1) VSAT system.

**INSTRUCTS THE SECRETARIAT OF CITELE:**

To send the present Recommendation to the Member States.

## V. DECISIONS

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

### DECIDES:

#### CCP.I/DEC. 108 (XVI-10)<sup>14</sup>

##### **SUBMISSION OF THE DRAFT GENERAL REGULATION FOR THE REGISTRATION OF FRAUDULENT AND/OR REGULATORY NON- COMPLIANCE PRACTICES**

1. To instruct the Secretariat of CITELE to send the Draft General Regulation for the Registration of Fraudulent and or Regulatory non-compliance Practices to the Member States (Document CCP.I-TIC/doc. 1981/10).
2. To invite Member States to present suggestions, modifications and/or comments regarding the above mentioned document that will be reviewed in the XVII Meeting of the PCC.I.
3. That the suggestions, comments and/or modifications to the document mentioned in *decides* 1 should be submitted 60 (SIXTY) days prior to the XVII Meeting of the Permanent Consultative Committee I to the Co-Rapporteurs of the topic, Mr. Nicolas Panichelli (Administration of Argentina, e-mail: [ppanichelli@cnc.gov.ar](mailto:ppanichelli@cnc.gov.ar)) and Mr. Giovanni Mancilla (Administration of Colombia, e-mail: [giovani.mancilla@gmail.com](mailto:giovani.mancilla@gmail.com)) with a copy to Secretariat of C ITEL.

#### CCP.I/DEC. 109 (XVI-10)<sup>15</sup>

##### **INFORMATION EXCHANGE ON TRAINING PLATFORMS OF CITELE AND UPAEP**

- To carry out the following actions in the framework of the existing Cooperation Agreement between CITELE and Postal Union of the Americas, Spain and Portugal (UPAEP):
1. To exchange information on the operation of CITELE Regional Training Centers, International Telecommunication Union (ITU) Nodes and the TRAINPOST Program of the UPU.
  2. To exchange information on the operation of the Internet based Conference Platform used by CITELE.
  3. To exchange document models, such as: agreements, selection criteria, scholarship award criteria, etc.
  4. To consider the possibility of inviting the UPAEP to participate in any of CITELE distance learning courses as guest, also requesting the possibility of participating in any of UPAEP distance learning courses.
  5. To offer support to UPAEP to implement the basis of a distance training system in the postal environment in the Region.

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<sup>14</sup> CCP.I-TIC/doc. 1984/10 rev.1

CCP.I/DEC. 110 (XVI-10)<sup>16</sup>

**SUPPORT TO THE  
ACTION PLAN  
SUBMITTED BY THE  
TELEHEALTH  
NETWORK OF THE  
AMERICAS**

1. To give full dissemination to documents CCP.I-TIC/doc. 1960/10, CCP.I-TIC/doc. 1961/10 and CCP.I-TIC/doc. 1962/10 on the Telehealth Network of the Americas (TLS), sending the documents to the members and publishing articles in the electronic newsletter info@citel.
2. To promote the drafting of TLS tutorials and to make them available to the members.
3. To promote the dissemination of the Telehealth Network of the Americas (TLS) through the participation in seminars and workshops.
4. To make a link with the Rapporteurship on the use of Telecommunications/ICT for Disaster Prevention and Mitigation.
5. To promote distance training and education instances on TLS.
6. To request CITELE Secretariat to conduct the necessary actions with the various organizations in order to promote the objectives set by the Telehealth Network of the Americas (TLS).
7. To request Member States to disseminate the Network and invite the various universities (both Hospital training centers and technological colleges) to be a part of it, and work jointly in Telehealth Training in the Region.

CCP.I/DEC. 111 (XVI-10)<sup>17</sup>

**PCC.I WORKING  
METHODS**

1. To approve the working methods set out in the Annex to this Decision.
2. To continue the work of the Ad Hoc Group on the Work Methods of PCC.I at the next meeting of the Committee.

**ANNEX TO DECISION PCC.I/DEC. 111 (XVI-10)**

**PCC.I WORKING METHODS**

The Chairs of each Working Group should define an *operational plan* that describes the work of the respective Rapporteurships, with a detail of the short, medium and long term objectives and the estimated time for their achievement, and whose output may be measured through efficiency and compliance indicators. To this end the following aspects should be taking into account:

- List of tasks to be performed;

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<sup>15</sup> CCP.I-TIC/doc. 1980/10

<sup>16</sup> CCP.I-TIC/doc. 1994/10

<sup>17</sup> CCP.I-TIC/doc. 2002/10 rev.1

- Expected dates for important stages/milestones;
- Expected results, including the titles of the documents produced;
- Liaison required with other groups;
- Meetings proposed for the Rapporteurship and estimated dates.

The Chairs of the Working Groups and Rapporteurships should use electronic resources, such as the Webex platform and CITELE electronic forum, in order to achieve continuity in the works conducted by the Committee during the period established between each calendar meeting. Therefore, each Working Group should include in their Report a draft agenda and calendar.

The Rapporteurships of PCC.I will work electronically to the largest extent possible.

When new proposed activities or subjects are presented, it should include a clear description of their relevance, effects, expected results, end date, a coordinator and the firm support of at least three delegations. The format is proposed and attached as Annex 1.

This work methodology should be applied to all the activities and Rapporteurships, both new and existing, for this period of the PCC.I.

**Annex 1: Template to present new activities adopted within a Working Group.**

Working Group
Rapporteurship
Activity
Objective
Summary

Expected results
Relation with the current works or activities of the group
Responsible
Members that have agreed to the recommendation to make progress on this work

**Annex 2: Follow-up the activities in progress within a Working Group.**

Rapporteurship	Title	Responsible	Reference Document	Estimated Duration

## **VI. LIST OF BASIC DOCUMENTS**

Summary Minutes of the Inaugural Session and the  
First Plenary Session:

CCP.I-TIC/doc. 1979/10 rev.2

Summary Minutes of the Second Plenary Session:

CCP.I-TIC/doc. 1995/10

Summary Minutes of the Third Plenary Session

CCP.I-TIC/doc. 2000/10

Summary Minutes of the Fourth Plenary Session  
and Closing Session:

CCP.I-TIC/doc. 2004/10 rev.1

List of Documents:

CCP.I-TIC/doc. 1904/10 rev.5

List of Participants:

CCP.I-TIC/doc. 1905/10 rev.2

Final Report for the Meeting

CCP.I-TIC/doc. 2003/10 rev.1