

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

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

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**XIII MEETING OF PERMANENT CONSULTATIVE  
COMMITTEE I: TELECOMMUNICATIONS  
August 5 to 8, 2008  
Puerto Iguazú, Misiones, Argentina**

**OEA/Ser.L/XVII.4.1  
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**FINAL REPORT  
(Item on the Agenda: 5)  
(Document submitted by the Drafting Group)**

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## FINAL REPORT

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

The XIII Meeting of the Permanent Consultative Committee I: Telecommunications was held in Puerto Iguazú, Misiones, Argentina, August 5 to 8, 2008.

#### 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. Report and meeting of the Working Groups:
  - 3.1 Working Group on Technology (WGT)
  - 3.2 Working Group on Policy and Regulatory Considerations (WGPRC)
  - 3.3 Working Group on Network Operation and Service Provisioning (WGNOSP)
  - 3.4 Working Group on Development (WGD)
4. Agenda, venue and date for the XIV Meeting of PCC.I.
5. Approval of the Final Report.
6. Other Business.

#### II. AUTHORITIES OF THE MEETING

**Chair:** Mr. Lisandro Salas (Argentina)

**Alternate Chair:** Mr. Sergio Scarabino (Argentina)

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

##### **Drafting Group:**

**Chair:** Mrs. Maria Florencia Forciniti (Argentina)

**Members:** Mr. Santiago Reyes Borda (Canada)  
Mrs. Jane Coffin (United States of America)  
Mrs. Janette Oberto (Venezuela)

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<sup>1</sup> CCP.I-TEL/doc. 1374/08 rev.1

### III. RESOLUTIONS

#### PCC.I/RES. 138 (XIII-08) <sup>2</sup>

#### CREATION OF A TECHNICAL NOTEBOOK ON NEXT GENERATION NETWORKS INFRASTRUCTURE

The XIII Meeting of Permanent Consultative Committee 1: Telecommunications,

#### RECOGNIZING:

- a) That Next Generation Networks (NGN) are producing important changes in the spheres of research, education and development of communications, supplying new tools that bring us increasingly closer to other communities around the world;
- b) That Next Generation Networks nowadays make up a part of communications and contribute towards the growth of people, communities, and governments, in view of their great development;
- c) That Information Technologies and Next Generation Networks are tools for the social and economic development of the region, and
- d) That Technologies and Next Generation Networks are in constant evolution and therefore, it is necessary to maintain practical case models in order that these may serve as a source of consultation to countries of the region,

#### CONSIDERING:

That PCC.I is capable of making an important contribution by supplying updated information on NGN technology and design of network models adopted by countries, thus facilitating the exchange of information and focalized debate,

#### RESOLVES:

1. To create and maintain a Technical Notebook on “Next Generation Network (NGN) Infrastructure” in order to provide information on the current situation and technological of NGN trends and thus enable consultation and debate among countries in the region. The draft Table of Contents of this Technical Notebook is described in the Annex to this Resolution.
2. To appoint Mr. Davison Gonzaga da Silva ([davison@anatel.gov.br](mailto:davison@anatel.gov.br)), of the Administration of Brazil, as the Coordinator of this Technical Notebook, to coordinate the contents of that NOTEBOOK. The contents will be extracted from the contributions submitted by the Administrations and PCC.I Associate Members to the Network Infrastructure Rapporteur Group meetings.

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<sup>2</sup> CCP.I-TEL/doc. 1507/08 rev.1 cor.1

**INVITES:**

1. PCC.I members to participate and contribute to the Technical Notebook on “Next Generation Network (NGN) Infrastructure”.
2. The remaining PCC.I Working Groups to contribute towards the development of this document.

**ANNEX TO RESOLUTION PCC.I/RES.138 (XIII-08)**

**TECHNICAL NOTEBOOK  
NEXT GENERATION NETWORKS INFRASTRUCTURE**

**Draft Contents (among others)**

1. **INTRODUCTION**
  2. **EVOLUTION OF NETWORK ARCHITECTURE**
    - INTRODUCTION
      - NGN PERIODS
      - TYPES OF TELECOMMUNICATIONS NETWORKS
      - MARKET TRENDS
    - PHYSICAL ARCHITECTURE
      - INTERNATIONAL TELECOMMUNICATION UNION (ITU)
      - EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI)
    - SOFTSWITCH ARCHITECTURE
    - IP MULTIMEDIA SUBSYSTEM (IMS) ARCHITECTURE
    - PHYSICAL ARCHITECTURE
      - NETWORK
      - NODE
      - LINK
  3. **INTERCONNECTION AND INTEROPERABILITY**
  4. **OPERATIONS (OPERATION ADMINISTRATION AND MAINTENANCE (OAM))**
- REFERENCES  
GLOSSARY

**BEST PRACTICES FOR THE DEVELOPMENT OF ICTs AMONG INDIGENOUS PEOPLES  
OF THE AMERICAS REGION**

The XIII Meeting of Permanent Consultative Committee I: Telecommunications,

**CONSIDERING:**

- a) That the World Summit on the Information Society (WSIS) Action Plan and Declaration of Principles as well as the documents resulting from the Tunis Second Phase and the Strategy for the Information Society in Latin America and the Caribbean (eLAC 2005-2007) have pointed at the relevance of carrying out specific actions addressed to indigenous peoples to allow them to participate in the Information Society, respecting their cultural legacy and heritage. Actions include connectivity, participation in the development of policies to disseminate their language, and strengthening their participation in environmental protection through information and communications technologies (ICT) appropriation and use;
- b) That the World Telecommunication Development Conference (WTDC-2006) Doha Action Plan established different actions in the field of telecommunications development among indigenous communities, in particular through Resolution 11 which recommends to pay special attention to the needs of indigenous peoples in each Telecommunication Development Bureau (BDT) action line;
- c) That it is highly useful to have the experiences in the implementation of the above recommendations so that the best implementation practices may be clearly established, progress made in member countries and potential alliances established to achieve full implementation;
- d) That studies in the field were conducted before issuing the WSIS recommendations, the PCC.I Recommendation and the Doha Plan, and therefore an updated study is required bearing in mind the goals established, thus contributing to the development of ICTs among indigenous peoples according to regional priorities,

**RESOLVES:**

1. To identify, analyze and summarize the best practices for the development of ICTs among the Indigenous peoples of the Americas taking into account by the CITELE and other regional and international organizations recommendations.
2. To create an instrument that allows:
  - To guide and systematize the execution of ICT development programmes and projects among indigenous peoples and communities by clearly identifying the necessary elements for the technical and social sustainability and effectiveness of projects in line with the studied practices.
  - To identify priority needs for the region relative to indigenous peoples in connection with the abovementioned issues as pointed out by the Rapporteur Group on developing ICTs in areas and groups with unattended needs or with specific issues: Technology; Strengthening of

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<sup>3</sup> CCP.I-TEL/doc. 1517/08 rev.1

capabilities; Regulatory framework; Self-sustainability and Participation; Content Development.

3. To instruct the Co-Rapporteur of the Group on developing ICTs in areas and groups with unattended needs or with specific issues and Coordinator of the Study Question on Indigenous Peoples and Communities Mr. Erick Huerta Velázquez from the Administration of Mexico, and Mrs. Laura Travascio from the Administration of Argentina, who, in turn, will act as Co-Coordinator of this study question, to organize the compilation and progress activities together with the Chair of the Working Group of Development in cooperation with the PCC.I Chairman and the CITEL Executive Secretary. Administrations actively engaged in this Study question (Argentina Canada, Ecuador, Mexico and Venezuela) as well as administrations interested in participating, should be explicitly consulted on the execution of such work.
4. To instruct the abovementioned coordinators to establish contacts together with the CITEL Executive Secretary in order to seek information and cooperation with ITU, OAS, ALTEC, IDB, eLAC, IDRC, Administrations and indigenous organizations in the region.
5. To determine and advance in the presentation of cooperation agreement proposals with the abovementioned organizations or others that may be identified in the process.
6. To present at the XV PCC.I Meeting the outcome of the work and the progress made on such work at the XIV Meeting.

#### **PCC.I/RES. 140 (XIII-08) <sup>4</sup>**

### **REPORT ON THE PROGRESS STATUS OF THE DEVELOPMENT OF SCIENTIFIC RESEARCH AND TECHNOLOGICAL DEVELOPMENT AND THE TRANSFERENCE OF TECHNOLOGY APPLIED TO ICTs IN THE AMERICAS**

The XIII Meeting of the Permanent Consultative Committee I: Telecommunications,

#### **HAVING SEEN:**

- a) The current importance of Scientific Research and Technological Development in this new knowledge society;
- b) That during the Summits of the Americas, a need has been established to have information regarding these matters;
- c) That the Rapporteur Group on Scientific and Technological Research and Technology Transfer has identified sources of information in the framework of the IX Meeting of the PCC.I,

#### **CONSIDERING:**

- a) That during the last three Meetings of PCC.I held in Buenos Aires, Mendoza and Washington DC, questionnaires were circulated to gather information of member countries on this matter;

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<sup>4</sup> CCP.I-TEL/doc. 1499/08

- b) That it is a mandate of the Working Group on Development to provide its members with information regarding Scientific Research and Technological Development applied to the information and communication technologies (ICT);
- c) That it is necessary to process the information gathered and do the same with future contributions;
- d) That the OAS relies on the Department of Science and Technology of the Executive Secretariat for Integral Development, with whom it is essential to articulate actions regarding this matter;
- e) That the PCC.I of CITEL and the Department of Science and Technology of the Executive Secretariat for Integral Development might conduct joint activities such as seminars and other training events;
- f) That it is necessary to foster the organization of said seminars in the different sub-regions of the hemisphere in a joint fashion;
- g) That the results of the seminars may provide the necessary material for a publication on this matter which, in turn, may serve as a report of the work developed by the Rapporteur Group;
- h) That, in order to hold the events and issue the said publication, it is necessary to identify financing sources other than the PCC.I of CITEL;
- i) That it is necessary to contact the specific areas of the different member countries, International Organizations and other entities devoted to Scientific and Technological Research and Transference of Technology,

**RESOLVES:**

1. To approve the preparation of a Report on the progress status of the development of Scientific Research and Technological Development and the Transference of Technology applied to ICTs in the Americas.
2. To designate the Rapporteur, Mr. Oscar Galante, to coordinate the tasks of gathering information, progress and preparation of the report, taking into account the existing sources of information (ITU, UN, OAS, ALTEC, Universities and academic entities, among others); with the support of the Chair of the PCC.I and the Executive Secretary of CITEL; and in permanent coordination with the Chair of the Working Group on Development of the PCC.I.
3. To request for support from the Science and Technology Department of the OAS's Executive Secretariat for Integral Development to jointly conduct in the sub-regions of the Hemisphere, Training Workshops on Scientific Research and Technological Development and Transference of Technology applied to the ICTs in the Americas.
4. That the Rapporteur, Mr. Oscar Galante, with the information gathered in the report and the contributions from the Workshops, submit a draft publication in a format to be defined.
5. To establish the XV Meeting of the PCC.I as the deadline for completing the works for the preparation of the Report and holding the Seminars of the current rapporteur group.

**INSTRUCTS:**

1. The Executive Secretary of CITEI jointly with the Rapporteur, with requesting also for the support of the OAS's Science and Technology Department for the latter to contact the Ministries, Secretariats of State, National Science and Technology Organizations (ONCyT) or equivalent entities of OAS member countries so that they provide the required data.
2. The Executive Secretary of CITEI jointly with the Rapporteur, with implementing the necessary resources to hold the Workshops and publish the works, and identifying the sources for financing the said projects.

**INVITES:**

The Chair of the PCC.I, the Executive Secretary of CITEI and the Rapporteur to prepare the forewords of the publications to be issued.

**PCC.I/RES. 141 (XIII-08) <sup>5</sup>**

**CIRCULATION OF DRAFT INTER-AMERICAN PROPOSALS AND INTER-AMERICAN PROPOSALS FOR WTSA-08**

The XIII Meeting of Permanent Consultative Committee I: Telecommunications,

**CONSIDERING:**

- a) That the X Meeting of Permanent Consultative Committee I: Telecommunications, by means of Resolution PCC.I/RES. 107 (X-07), adopted the procedure to submit inter-American proposals to the 2008 World Telecommunication Standardization Assembly (WTSA-08);
- b) That paragraph c of Resolution PCC.I/RES. 107 (X-07) provides that "Anything not provided for in the present procedure must be resolved by PCC.I";
- c) That Article 96 (12) of the CITEI Regulations provides that "PCCs are allowed to change and adapt their work methods to most efficiently meet the needs of their members, provided they do not contravene the provisions of the CITEI Statute and Regulations," and

**CONSIDERING FURTHER:**

- a) That, at the third plenary session of the XIII Meeting of PCC.I , which was the FINAL meeting to prepare for WTSA-08, procedures were adopted in addition to the ones indicated in Resolution PCC.I/RES. 107 (X-07) to be able to finalize the preparatory work for WTSA-08;
- b) That a list of draft inter-American proposals (DIAP) and inter-American proposals (IAP) for which only support from the administrations shall be received was adopted,

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<sup>5</sup> CCP.I-TEL/doc. 1561/08

**RESOLVES:**

1. To request the CITELE Secretariat to send all Member States of CITELE, within 2 (two) weeks after the closing of the XIII Meeting of PCC.I, at the latest, the complete list of Draft Inter-American Proposals (DIAP) and Inter-American Proposals (IAP), whose lists appear in Annex 1 to the present Resolution, requesting them to report their support by August 29, 2008, at 0:00, Washington, D.C. (EST) time, at the latest.
2. To send the Inter-American Proposals (IAP) to the ITU on August 20, 2008. If necessary, after the deadline stipulated in *resolves 1*, additional information shall be sent to ITU.

**INSTRUCTS THE SECRETARIAT:**

- a) To report to the CITELE Administrations that, once the deadline stipulated in *resolves 1* has expired, they can support any of the IAPs directly at the WTSA-08.
- b) To send the IAPs to the ITU within the deadline stipulated in *resolves 2*.

**ANNEX 1 TO RESOLUTION PCC.I/RES. 141 (XIII-08)**

**TABLE OF SUPPORT FOR THE DRAFT INTER-AMERICAN PROPOSALS (DIAP)  
CONSIDERED AT THE XIII MEETING OF PCC.I**

	DIA P.	TITLE	A T G	A R G	B A H	B R B	B L Z	B O L	B	C A N	C H L	C L M	C T R	D O M	D M A	S L V	E Q A	U S A	G R D	G T M	G U Y	H T I	H N D	J M C	M E X	N C G	P N R	P R G	P R U	K N A	V C T	L C A	S U R	T R D	U R G	V E N	T O T A L		
1503r2	1	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 15							X								X																						2
1509r1	2	RESOLUTION 29 ALTERNATIVE CALLING PROCEDURES ON INTERNATIONAL TELECOMMUNICATION NETWORKS						X																			X									X			3
1516r1	3	RESOLUTION PROPOSED TO BE MAINTAINED WITH EDITORIAL CHANGES RESOLUTION 47 COUNTRY CODE TOP-LEVEL DOMAIN NAMES						X																			X									X	X		4
1531	4	RESOLUTION 33 (WTSA-04) GUIDELINES FOR ITU-T STRATEGIC ACTIVITIES						X	X																		X								X	X			5
1529r1	5	CONSIDERATIONS ON THE INTERNATIONAL TELECOMMUNICATION REGULATIONS							X								X																						2
1423	6	RESOLUTION 46 ITU-T CONTRIBUTION TO COUNCIL WORKING GROUP ON THE WORLD SUMMIT ON THE INFORMATION SOCIETY							X				X				X							X															4

**TABLE OF SUPPORT FOR THE INTER-AMERICAN PROPOSALS (IAP)  
ADOPTED AT THE XIII MEETING OF PCC.I**

	IAP	TITLE	A T G	A R G	B A H	B R B	B L Z	B O L	B	C A N	C H L	C L M	C T R	D O M	D M A	S L V	E Q A	U S A	G R D	G T M	G U Y	H T I	H N D	J M C	M E X	N C G	P N R	P R G	P R U	K N A	V C T	L C A	S U R	T R D	U R G	V E N	T O T A L	
1508r1	1	RESOLUCIÓN 17 TELECOMMUNICATION STANDARDIZATION IN RELATION TO THE INTERESTS OF DEVELOPING COUNTRIES						X			X		X			X											X									X		6
1457	2	RESOLUTION 20 PROCEDURES FOR ALLOCATION AND MANAGEMENT OF INTERNATIONAL TELECOMMUNICATION NUMBERING, NAMING, ADDRESSING AND IDENTIFICATION RESOURCES		X				X			X					X											X								X	X		7
1510r1	3	RESOLUTION 32 STRENGTHENING ELECTRONIC WORKING METHODS FOR THE WORK OF ITU-T						X			X					X									X		X								X	X		7
1511r1	4	RESOLUTION 38 COORDINATION AMONG ITU-T, ITU-R AND ITU-D FOR ACTIVITIES RELATING TO INTERNATIONAL MOBILE TELECOMMUNICATIONS -2000 (IMT-2000) AND SYSTEMS BEYOND IMT-2000						X			X					X	X								X		X								X	X		8
1512r1	5	RESOLUTION 43 REGIONAL PREPARATIONS FOR WTSAs		X				X								X											X								X	X		6
1513r2	6	RESOLUTION 44 BRIDGING THE STANDARDIZATION GAP BETWEEN DEVELOPING AND DEVELOPED COUNTRIES		X				X			X		X			X									X		X								X	X		9
1467	7	RESOLUTION 45 EFFECTIVE COORDINATION OF STANDARDIZATION WORK ACROSS STUDY GROUPS IN ITU-T AND THE ROLE OF TSAG		X				X					X			X											X								X	X		7

	IAP	TITLE	A T G	A R G	B A H	B R B	B L Z	B O L	B	C A N	C H L	C L M	C T R	D O M	D M A	S L V	E Q A	U S A	G R D	G T M	G U Y	H T I	H N D	J M C	M E X	N C G	P N R	P R G	P R U	K N A	V C T	L C A	S U R	T R D	U R G	V E N	T O T A L	
1532	8	RESOLUTION 49 ENUM						X	X	X						X	X							X			X									X	8	
1505r1	9	RESOLUTION 50 CYBERSECURITY						X	X	X			X			X	X							X			X										X	9
1514r1	10	RESOLUTION 54 CREATION OF REGIONAL GROUPS		X				X		X			X			X											X								X	X	8	
1515r1	11	RESOLUTION 55 MAINSTREAMING GENDER IN ITU-T ACTIVITIES						X		X			X			X	X							X			X									X	8	
1502r1	12	RESTRUCTURING PRINCIPLES FOR ITU-T		X				X	X				X			X	X							X											X	X	9	
1503r2	13	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 2						X	X				X			X	X																			X	6	
1503r2	14	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 3		X				X	X				X			X	X							X											X	8		
1503r2	15	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 4						X	X				X			X	X																		X	X	7	
1503r2	16	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 9						X	X				X			X																			X	X	6	
1534	17	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 11						X	X				X			X											X									X	6	
1503r2	18	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 12		X				X	X				X			X																			X	X	7	
1534	19	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 13						X	X				X			X											X									X	6	
1503r2	20	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 16						X	X				X			X																			X	X	6	
1503r2	21	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 17						X	X				X			X								X											X	X	7	

	IAP	TITLE	A T G	A R G	B A H	B R B	B L Z	B O L	B	C A N	C H L	C L M	C T R	D O M	D M A	S L V	E Q A	U S A	G R D	G T M	G U Y	H T I	H N D	J M C	M E X	N C G	P N R	P R G	P R U	K N A	V C T	L C A	S U R	T R D	U R G	V E N	T O T A L
1534	22	ITU-T STUDY GROUPS STRUCTURE: STUDY GROUP 19						X	X				X			X										X										X	6
1504r1	23	ROLE OF TSAG		X				X	X		X		X				X							X		X									X	X	10
1516r1	24	RESOLUTION PROPOSED TO BE MAINTAINED WITH EDITORIAL CHANGES RESOLUTION 7 COLLABORATION WITH THE INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO) AND THE INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC)						X	X				X			X								X		X									X		7
1516r1	25	RESOLUTION PROPOSED TO BE MAINTAINED WITH EDITORIAL CHANGES RESOLUTION 11 COLLABORATION WITH THE POSTAL OPERATIONS COUNCIL (POC) OF THE UNIVERSAL POSTAL UNION (UPU) IN THE STUDY OF SERVICES CONCERNING BOTH THE POSTAL AND THE TELECOMMUNICATION SECTORS		X				X	X				X													X									X	X	7
1516r1	26	RESOLUTION PROPOSED TO BE MAINTAINED WITH EDITORIAL CHANGES RESOLUTION 22 AUTHORIZATION FOR TSAG TO ACT BETWEEN WTSAS		X				X					X													X									X	X	6
1516r1	27	RESOLUTION PROPOSED TO BE MAINTAINED WITH EDITORIAL CHANGES RESOLUTION 26 ASSISTANCE TO THE REGIONAL TARIFF GROUPS		X				X					X			X										X									X	X	7
1516r1	28	RESOLUTION PROPOSED TO BE MAINTAINED WITH EDITORIAL CHANGES RESOLUTION 40 REGULATORY ASPECTS OF ITU-T WORK		X				X			X					X										X									X	X	7

	IAP	TITLE	A T G	A R G	B A H	B R B	B L Z	B O L	B	C A N	C H L	C L M	C T R	D O M	D M A	S L V	E Q A	U S A	G R D	G T M	G U Y	H T I	H N D	J M C	M E X	N C G	P N R	P R G	P R U	K N A	V C T	L C A	S U R	T R D	U R G	V E N	T O T A L
1516r1	29	RESOLUTION PROPOSED TO BE MAINTAINED WITH EDITORIAL CHANGES RESOLUTION 48 INTERNATIONALIZED DOMAIN NAMES		X				X					X			X											X								X	X	7
1493	30	TRACEABILITY OF THE DEVELOPMENT AND REVIEW OF ITU-T RECOMMENDATIONS		X				X	X		X		X			X	X							X			X								X	X	11
1526r1	31	STRENGTHENING COORDINATION AND COOPERATION BETWEEN ITU-R AND ITU-T ON MATTERS OF MUTUAL INTEREST		X					X		X		X			X	X							X			X								X	X	10
1484	32	CREATION OF ITU-T STUDY GROUP 12 REGIONAL GROUP FOR THE AMERICAS ON QOS		X				X			X					X								X			X								X	X	8
1555	33	ADMISSION OF RESEARCH CENTERS AND SMALL- AND MEDIUM-SIZED COMPANIES TO THE ITU STANDARDIZATION SECTOR		X					X		X		X											X			X									X	7
1528r1	34	ADMISSION OF ACADEMIA AND UNIVERSITIES TO PARTICIPATE IN THE WORK OF ITU-T		X				X	X		X		X			X								X			X								X	X	10
1556	35	NETWORK EXTERNALITIES		X				X	X		X					X	X							X											X	X	9
1533	36	ESTABLISHMENT OF A FLAGSHIP GROUP HEADQUARTERED IN MEXICO		X							X		X			X								X											X	X	7
1558	37	DRAFT RESOLUTION: TELECOMMUNICATION/ICT ACCESSIBILITY FOR PERSONS WITH DISABILITIES							X				X			X	X							X											X	X	7
1506r1	38	ICTs & CLIMATE CHANGE PROPOSAL FOR ITU-T (WTSa-08)						X	X		X		X			X								X			X								X	X	9

**SEMINAR ON REGIONAL INFRASTRUCTURE AND INTERCONNECTION**

The XIII Meeting of Permanent Consultative Committee I: Telecommunications,

**RECOGNIZING:**

- a) That over the past few years the issue of regional infrastructure and interconnection enhancement has been a priority in several international forums, including the World Summit on the Information Society (WSIS);
- b) That both the WSIS agreements and the the Strategy for the Information Society in Latin America and the Caribbean (eLAC-2010) regional action plan foster the creation of traffic exchange points and the development of local contents to avoid local traffic from exiting the region;
- c) That it is important to foster the necessary measures to promote better regional interconnection conditions that have a positive impact on the communication costs within the region,

**RECOGNIZING FURTHER:**

- a) That since 2001, there has been a forum in Latin America, the NAPLA, which has been organized by the LACNIC since 2006 under the name of NAPLA –Regional Interconnection Forum- where carriers, ISPs, NAPs and content suppliers meet to generate a very productive debate;
- b) That the LACNIC has proposed the reproduction of this format in a seminar that could be held;
- c) That this activity is of interest to several PCC.I groups, among which we may highlight the Rapporteur Group on issues related to Internet resources and Network Infrastructure;
- d) That the interaction among all the relevant actors in the subject will positively contribute to the debates held by the Administrations on subjects related to the reference topic,

**NOTING:**

That the topic suggested for this seminar is perfectly framed within CITEL’s PCC.I mandate,

**CONSIDERING:**

That a Seminar to explore the different elements related to the infrastructure development and peering agreements and to identify the potential improvement areas in which significant impacts may be achieved would be very useful in this moment,

**RESOLVES:**

1. To hold a Seminar on “regional infrastructure and interconnection” the day before one of the following PCC.I meetings, jointly offered and organized by the LACNIC and the PCC.I. The attached Annex offers a possible description of said Seminar in order to start planning it.

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<sup>6</sup> CCP.I-TEL/doc. 1542/08

2. To appoint Mr. Oscar Avellaneda and Mr. Oscar Messano as Coordinators representing the PCC.I.
3. That this Seminar will be held without using CITEL's financial resources.

## **ANNEX TO PCC.I/RES. 142 (XIII-08)**

### **DRAFT AGENDA**

- Internet Architecture
- Traffic Relationship
- Peering Relationship
- Private Peering
- Public Peering: bilateral, multilateral
- Content delivery networks (CDNs)
- Peering experiences
- Regional infrastructure
- Traffic Exchange Points (IXPs or NAPs). Models and Examples
- Regulations in different countries regarding IXPs
- IXPs situation in the region
- How to improve interconnection in the region

## **PCC.I/RES. 143 (XIII-08) <sup>7</sup>**

### **AGENDA, VENUE AND DATE FOR THE XIV MEETING OF PCC.I**

The XIII Meeting of the Permanent Consultative Committee I: Telecommunications,

#### **RESOLVES:**

1. To hold the XIV Meeting of the Permanent Consultative Committee I: Telecommunications in Cusco, Peru in date to be confirmed.
2. To adopt the Draft Agenda for the XIV Meeting of PCC.I attached to this Resolution.

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<sup>7</sup> CCP.I-TEL/doc. 1547/08 rev.1

## ANNEX TO RESOLUTION PCC.I/RES. 143 (XIII-08)

### DRAFT AGENDA

1. Approval of the agenda and schedule of activities.
2. Establishment of the Drafting Group for the Final Report.
3. Report and meeting of the Working Groups:
  - [3.1 Working Group on Technology \(WGT\)](#)
  - [3.2 Working Group on Policy and Regulatory Considerations \(WGPRC\)](#)
  - [3.3 Working Group on Network Operation and Service Provisioning \(WGNOSP\)](#)
  - [3.4 Working Group on Development \(WGD\)](#)
4. Agenda, venue and date for the XV Meeting of PCC.I.
5. Approval of the Final Report.
6. Other Business.

### DETAILED DRAFT AGENDAS OF WORKING GROUPS

#### WORKING GROUP ON TECHNOLOGY (WGT)

1. Approval of the Agenda.
2. Report of the activities of the Working Groups since the last Meeting.
3. Allocation of Contributions to Rapporteur Groups.
4. Meeting and Report of the Rapporteur Groups:
  - 4.1 Meeting of the Rapporteur Group on Standards Coordination.
  - 4.2 Meeting of the Rapporteur Group on Network Infrastructure.
  - 4.3 Meeting of the Rapporteur Group on Advanced Services.
5. Other Business.
6. Adoption of the Final Report.
7. Conclusion of the meeting.

#### WORKING GROUP ON POLICY AND REGULATORY CONSIDERATIONS (WGPRC)

1. Approval of the Agenda.

2. Meeting and Report of the Rapporteur Groups:
  - 2.1 Rapporteur Group on Issues relative to Internet Resources.
  - 2.2 Rapporteur Group on Telecommunications Economic Aspects.
  - 2.3 Rapporteur Group on Cybersecurity and Critical Infrastructure.
  - 2.4 Rapporteur Group on Mutual Recognition Agreement for Conformity Assessment of Telecommunications Equipment (MRA) and Conformity Assessment Procedures.

#### **MUTUAL RECOGNITION AGREEMENTS**

1. Welcoming of participants
2. Presentation and approval of draft agenda
3. Report on the last meeting
4. Presentations and status updates by Member States on the regulations and procedures they plan to use to implement Phase I of the MRA
5. Discussions on:
  - a. MRA Training
  - b. Cumulative storing of the information acquired from implementation
6. Information on International activities
7. Review of action items and preparation of draft agenda for the next meeting

#### **CONFORMITY ASSESSMENT PROCEDURES**

1. Welcome to participants
  2. Presentation and adoption of the Draft Agenda
  3. Mini-workshops within the scope and timetable of the Rapporteur Group on MRA and Conformity Assessment Procedures to explain the contents of the Yellow Book
  4. Date and agenda of the next meeting
  5. Other business.
- 2.5 Rapporteur Group on Convergence.
  - 2.6 Rapporteur Group for the Preparation of the World Telecommunication Standardization Assembly (WTSA) and World Conference on International Telecommunications (WCIT).
3. Other Business.
  4. Approval of the final report.

#### **WORKING GROUP ON NETWORK OPERATION AND SERVICE PROVISIONING (WGNOSP)**

1. Adoption of the draft agenda and schedule
2. Report and Meeting of the Rapporteur Groups:
  - 2.1 Rapporteur Group on the Impact of New Services:
    - Create a Technical File on Provision of New Services.

- Present at the next meeting the Resolution on holding a workshop on implementation of services associated with an Internet Protocol TV (IPTV) platform.
  - Evaluate and schedule the group's activities and work plan.
- 2.2 Rapporteur Group on Network Interconnection and Interoperability:
- Present a draft Resolution entitled "CREATION OF A TECHNICAL NOTEBOOK ON NETWORK INTERCONNECTION AND INTEROPERABILITY."
  - Draft Resolution on "Workshop on Operation and Provision of the Roaming Service in the Region," in connection with interoperability and interconnection..
  - Evaluate and schedule the group's activities and work plan.
- 2.3 Rapporteur Group on Fraud Control in Telecommunication Services:
- Present the proposed topics which will comprise the following approved workshops on fraud in the region.
  - Holding of the 4<sup>th</sup> Workshop during the XIV Meeting of PCC.1.
  - Establish joint work ties with other entities doing research on fraud issues, such as the Communications Fraud Control Association (CFCA), the Forum for International Irregular Network Access (FIINA), the Global System for Mobile Communication (GSM), and the International Telecommunication Union (ITU), with a view to eliciting important information to CITELE members.
- 2.4 Rapporteur Group on Numbering and Addressing:
- Presentation of the draft recommendation on Number Portability;
  - Presentation of the Technical Notebook on Number Portability, including number portability implementation models;
  - Preparation of the document on best practices in numbering plans.
3. Report of the Meeting.
4. Other business

#### **WORKING GROUP ON DEVELOPMENT (WGD)**

1. Adoption of the agenda for the meeting.
2. Presentation of Briefing Papers of the Rapporteurs and matters of concern to the WGD.
3. Delivery of papers on work in progress on the subject addressed in the Resolution on identification of "Best Practices in the Application of ICTs for the Development of Indigenous Peoples of the Americas Region."
4. Delivery of papers on work in progress and actions with respect to the Resolution on "Report on the Status of Technological Research and Development and Technology Transfer Applied to ICTs in the Americas."
5. Updating of relevant information regarding this matter.

6. Presentation of projects for identifying best practices for disaster mitigation in the region, for analysis and consideration.
7. Other business.

**PCC.II/RES. 144 (XIII-08)**<sup>8</sup>

**PCC.II WORK PLAN FOR 2008-2010**

The XIII Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting,

**CONSIDERING:**

- a) The Strategic Plan for 2006-2010 approved by the IV Assembly of CITEL, in Resolution CITEL RES. 52 (IV-06);
- b) The need to assess compliance with the CITEL Strategic Plan as requested in Resolution COM/CITEL RES. 161 (XIII-03) "Addition of Performance Parameters or Indicators to CITEL Strategic Plans",

**RESOLVES:**

1. To approve the work plans of PCC.II attached.
2. To assess the results of and revise these work plans annually.
3. To revoke PCC.II/RES. 80 (XII-08).

**ANNEX TO RESOLUTION PCC.II/RES. 144 (XIII-08)**

**1. WORKING GROUP ON TECHNOLOGY**

**1.1 Rapporteur Group on Standards Coordination**

**Work Plan:**

**XIV PCC.I Meeting (2009)**

- a) Request contributions on topics related to Standards Coordination, identified as "For later review." Among these topics, the following are included: access to fiber, access to power lines, WiFi (IEEE 802.11), mobile wireless broadband access (IEEE 802.20), and satellite.

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<sup>8</sup> CCP.I-TEL/doc. 1548/08

- b) Assess progress on security standards and create Standards Coordination Documents (SCDs), as appropriate.
- c) Update the Technical Notebook, “Next Generation Networks – Standards Overview” on the basis of the new technologies discussed.

#### **XV PCC.I Meeting (2009)**

- a) Review status of the standards on domestic networks.
- b) Review status of the standards related to IPTV and create relevant SCDs.
- c) Start up studies on NGN converged QoS standards.
- d) Update the Technical Notebook, “Next Generation Networks – Standards Overview” on the basis of new technologies discussed.

#### **XVI PCC.I Meeting (2010)**

- a) Assess progress on Emergency communications and draft the relevant SCDs.
- b) Assess progress on Identity Management and draft the relevant SCDs.
- c) Review status of the NGN Application/Service standards and draft the relevant SCDs.
- d) Update the Technical Notebook, “Next Generation Networks – Standards Overview” on the basis of new technologies discussed.

#### **XVII PCC.I Meeting (2010)**

- a) Review status of RFID technology and standardization of sensor/monitoring networks.
- b) Review status of Intelligent Transportation Systems (ITS) and standardization activities in progress.
- c) Update the Technical Notebook, “Next Generation Networks – Standards Overview” on the basis of new technologies discussed.

### **1.2 Rapporteur Group on Network Infrastructure**

#### **Work Plan:**

#### **XIV PCC.I Meeting (2009)**

- a) Start up work for the Technical Notebook on Network Infrastructure on NGN.
- b) Update Technical Notebook on Broadband Access Technologies.
- c) Update Technical Notebook on Best Practices and Case Studies for Next Generation Networks.
- d) Continue developing the Technical Notebook on Power Line Communication (PLC) Technology.

### **XV PCC.I Meeting (2009)**

- a) Update Technical Notebook on Network Infrastructure on NGN.
- b) Update Technical Notebook on Broadband Access Technologies.
- c) Update Technical Notebook on Best Practices and Case Studies for Next Generation Networks.
- d) Continue drafting the Technical Notebook on Power Line Communication (PLC) Technology.
- e) Reassess the work plan.

### **XVI PCC.I Meeting (2010)**

- a) Assess progress in NGN infrastructure security.
- b) Update Technical Notebook on Network Infrastructure on NGN.
- c) Update Technical Notebook on Broadband Access Technologies.
- d) Update Technical Notebook on Best Practices and Case Studies for Next Generation Networks.
- e) Continue drafting Technical Notebook on Power Line (PLC) Technology.

### **XVII PCC.I Meeting (2010)**

- a) Assess current trend of network infrastructure.
- b) Review status of network technologies.
- c) Update Technical Notebook on Network Infrastructure on NGN.
- d) Update Technical Notebook on Broadband Access Technologies.
- e) Update Technical Notebook on Best Practices and Cases of Next Generation Networks.
- f) Continue drafting the Technical Notebook on Power Line Communication (PLC) Technology.

## **1.3 Rapporteur Group on Advanced Services**

### **Work Plan:**

### **XIV PCC.I Meeting (2009)**

- a) Update the Technical Notebook on “Study on characteristics of voice-based networks using IP.”
- b) Update the Technical Notebook on Practical Cases of Internet Protocol Television (IPTV) Technology.

- c) Assess the evolution of advanced services and propose studies on those services most widely deployed.
- d) Review status of the convergence of fixed and mobile technology and their related advanced services.

#### **XV PCC.I Meeting (2009)**

- a) Update the Technical Notebook on “Study on characteristics of voice-based networks using IP.”
- b) Update the Technical Notebook on Practical Cases of Internet Protocol Television (IPTV) Technology.
- c) Continue with the assessment of the evolution of advanced services and propose studies of those services most widely deployed.
- d) Review status of the convergence of fixed and mobile technology and their related advanced services.

#### **XVI PCC.I Meeting (2010)**

- a) Update Technical Notebook on “Study on characteristics of voice-based networks using IP.”
- b) Update the Technical Notebook on Practical Cases of Internet Protocol Television (IPTV) Technology.
- c) Continue with the assessment of the evolution of advanced services and propose studies of those services most widely deployed.
- d) Start up studies on the implementation of emergency services in the region’s countries.
- e) Promote workshops on advanced services, which shall be delivered by service providers.

#### **XVII PCC.I Meeting (2010)**

- a) Update Technical Notebook on “Study on characteristics of voice-based networks using IP.”
- b) Update Technical Notebook on Practical Cases of Internet Protocol Television (IPTV) Technology.
- c) Continue with the assessment of the evolution of advanced services and propose studies on those services most widely deployed.
- d) Promote advanced services workshops, which shall be delivered by service providers.
- e) Reassess current Work Plan based on new developments in telecommunications and propose a new work plan if necessary.
- f) Follow up on the work of ITU Study Group 13 about the definition of advanced services.

## **2. WORKING GROUP ON POLICY AND REGULATORY CONSIDERATIONS**

### **2.1 Rapporteur Group on issues relative to Internet resources**

#### **Work Plan:**

#### **XIII, XIV, XV, XVI, and XVII PCC.I Meetings (2008-2010)**

- a) Continue with the update of ccTLDs in the region.
- b) Generate reports on the IP address block management situation in CITELE countries.
- c) Draft documents on regional policies.
- d) Issue reports on the follow up of ICANN activities.
- e) Follow up on the UN General Secretary Group for Internet Governance coordinated by the WG on Economic and Tariff Issues.

### **2.2 Rapporteur Group on Telecommunications Economic Aspects**

#### **Work Plan:**

#### **XIII, XIV, XV, XVI, and XVII PCC.I Meetings (2008-2010)**

- a) Monitor economic aspects associated to Internet in the Americas (International Internet Connectivity and Traffic Flow Methodologies).
- b) Update the Technical Notebooks on the economic aspects related to power-line network utilization (PLC) for telecommunication service provision and financing mechanisms for telecommunication service provision to people with impaired capacities.
- c) Continue studying different economics aspects.

### **2.3 Rapporteur Group on Cybersecurity & Critical Infrastructure**

#### **Work Plan:**

#### **XIII, XIV, XV, XVI, and XVII PCC.I Meetings (2008-2010)**

- a) Solicit further input from CITELE membership for the Technical Notebook to facilitate discussion of regulatory and policy aspects of cybersecurity.
- b) Explore possible regional best practices to develop a culture of cybersecurity in the Americas.
- c) Identify various frameworks for national action for cybersecurity in the Americas.
- d) Identify elements of existing national cybersecurity frameworks.

## **2.4 Rapporteur Group on Mutual Recognition Agreements and Conformity Assessment Procedures**

### **Work Plan:**

#### **XIII, XIV, XV, XVI, and XVII PCC.I Meetings (2008-2010)**

- a) Support all member states in their MRA implementation efforts.
- b) Finish the Yellow Book on Telecommunication Equipment Conformity Assessment Processes in the Americas.
- c) Develop guidelines on conformity assessment policies and procedures aligned with ISO/IEC standards, appropriate for the possible application by CITEL member states.
- d) Develop a cooperation Program with other regions on their conformity assessment processes, and propose suitable solutions for the CITEL member states.

## **2.5 Rapporteur Group on Convergence**

### **Work Plan:**

#### **XIII, XIV, XV, XVI, and XVII PCC.I Meetings (2008-2010)**

- a) Drafting and distributing surveys on the current situation of convergence in member states.
- b) Collect and analyze the information obtained by means of the surveys.
- c) Research and collect information on convergence and the regulatory frameworks and policies that they apply in domestic markets of countries other than CITEL members.
- d) Submit status reports at the next PCC.I meetings.
- e) Draft and submit the final report on the studies including proposals and guidelines on the regulatory framework and convergence policies.

## **2.6 Rapporteur Group for the Preparation of WTSA and WCIT**

### **Work Plan:**

#### **XIII, XIV, XV, XVI, and XVII PCC.I Meetings (2008-2010)**

#### **World Telecommunication Standards Assembly**

- a) Consider the reports from Study Groups and ITU's Telecommunication Standardization Advisory Group in order to identify issues of interest to the region.

- b) Establish a discussion group in the electronic forum to receive contributions on the subject from member states and Associate Members.
- c) Follow up on regional activities (APT, CEPT, RCC, etc.) that take place as preparatory steps for WTSA.
- d) Propose and approve the IAP's to be presented at the WTSA.
- e) Review the results of the WTSA.

### **World Conference on International Communications**

Consider the results of the Plenipotentiary Conference 2006 and the work being done in the International Telecommunication Union (ITU) and coordinate Common Inter-American Proposals, as applicable.

### **3. WORKING GROUP ON NETWORK OPERATION AND SERVICE PROVISIONING (GNOSP)<sup>9</sup>**

The work plans to be implemented in 2009-2010 are presented below in each one of the rapporteur groups comprising the GNOSP

#### **3.1 Rapporteur Group on the Impact of New Services**

#### **WORK PLAN FOR 2008-2010:**

##### **XIII PCC.I Meeting (2008)**

1. Creation of the Technical Notebook on the Impacts of New Services.
2. Postponement of the presentation of the questionnaires to obtain information on the various services that can be implemented on NGN networks.
3. Presentation of a draft resolution for the purpose of scheduling workshops on the implementation of regional roaming and development and the start-up of IPTV in the Americas as the starting point for providing convergent services is deferred to the next meeting.

##### **XIV PCC.I Meeting (2009)**

1. Progress of the Technical Notebook on the Impacts of New Services.
2. Presentation of the corresponding resolution to hold a workshop on the implementation of services related to an IPTV platform.
3. Evaluation and scheduling of the Group's activities and work plan.

##### **XV PCC.I Meeting (2009)**

1. Develop the workshop on the implementation of services related to an IPTV platform.
  - a. Promote broad participation of operators and regulators in the development of these services.

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<sup>9</sup> Document PCC.I-TEL/doc.933/06 rev.1

2. Submit a draft resolution to hold a workshop on the various services supported on NGN networks.
3. Assess and schedule the Group's activities and work plan.

#### **XVI and XVII PCC.I Meetings (2010)**

1. Provide a report on the progress of the Technical Notebook on the Impacts of New Services, using as a baseline the results of the workshop and the contributions of the member states.
2. Develop, for the first meeting of 2010, a workshop on various services supported on NGN networks.
3. Draw up draft recommendations for the second meeting of 2010 with respect to the topics reviewed in the two workshops related to the implementation of services supported on NGN networks.
4. Assess and schedule the Group's activities and work plan.

### **3.2 Rapporteur Group on Interconnection and Interoperability of Networks**

#### **WORK PLAN 2008-2010**

#### **XIII PCC.I Meeting (2008):**

1. Creation of the Technical Notebook on Network Interconnection and Interoperability.
2. The questionnaire on NGN network operators is eliminated because it did not receive any contributions from the member states.
3. Work is done on coordination of the GTOPSINT discussion group on interconnection and interoperability of networks, which shall submit a report at the next meeting on the main discussion points dealt with, as well as observations and recommendations.

#### **XIV PCC.I Meeting (2009):**

1. Submit the draft resolution "Creation of a Technical Notebook on Network Interconnection and Interoperability."
2. Draft resolution on "Workshop on the operation and delivery of roaming service in the region," related to the topic of Interoperability and Interconnection.
3. Assess and schedule the Group's activities and work plan.

#### **XV PCC.I Meeting (2009)**

1. Develop the Workshop on "Roaming service operation and provision in the region."
2. Assess and schedule the Group's activities and work plan.

#### **XVI and XVII PCC.I Meetings (2010)**

1. Prepare a report on the main points of discussion dealt with in the forum, as well as observations and recommendations drawn from the workshop on roaming service in the region.
2. Propose recommendations on best practices for the roaming service operation and provision in the region.
3. Submit a draft resolution to hold a Workshop on "Best practices for network interconnection and interoperability enabling the final customer to have high-quality services in the region."
4. Report on the Technical Notebook on Network Interconnection and Interoperability.

5. Assess and schedule the Group's activities and work plan.

### **3.3 Rapporteur Group on Fraud Control in Telecommunication Services**

#### **WORK PLAN FOR 2008-2010:**

##### **XIII PCC.I Meeting (2008):**

1. The third workshop on fraud in the region is successfully held, meeting the expectations of member states.
2. Information is received from the questionnaire on "Anti-regulatory and anti-competitive practices in the provision of telecommunication services" in coordination with the CITEL Secretariat.
3. The report on the status of data-gathering by the Co-Rapporteur shall be submitted at the next meeting.
4. The proposal for holding the following workshops on fraud in the region shall be submitted before the next meeting.

##### **XIV PCC.I Meeting (2009)**

5. Submit the resolution on the topics constituting the following workshops on fraud as adopted by the region.
6. Develop the fourth workshop at the XIV PCC.I Meeting.
7. Establish joint working ties with other research entities such as CFCA, FIINA, GSM, and ITU on the topics of fraud for the purpose of obtaining important information for the members of CITEL.

##### **XV PCC.I Meeting (2010)**

1. Develop the fifth workshop at the XV PCC.I meeting.
2. At this meeting, propose recommendations to the member states on the guidelines that must be implemented to minimize fraud in the region.

##### **XVI and XVII PCC.I Meetings (2010)**

1. Provide a report on the progress of the Technical Notebook on Fraud, including the results achieved by the five workshops that were held.
2. Submit a resolution to submit to CITEL the recommendations on the guidelines that the member states must apply in the regulations of their countries to minimize fraud.

### **3.4 Rapporteur Group on Numbering and Addressing**

#### **WORK PLAN FOR 2008-2010:**

##### **XIII PCC.I Meeting (2008):**

- a) The workshop on number portability was held, with excellent results.
- b) The Technical Notebook on Number Portability shall be submitted at the next meeting.

##### **XIV PCC.I Meeting (2009)**

1. Submit the draft recommendation on number portability.

2. Submit the Technical Notebook on Number Portability, with the inclusion of number portability implementation models.
3. Draft the paper on best practices in numbering plans.

**XV PCC.I Meeting (2009):**

1. Submit the Technical Notebook on ENUM.
2. Follow-up and revision of the Technical Notebook on Number Portability.
3. Draft the paper on best practices in numbering plans.

**XVI PCC.I Meeting (2010):**

1. Follow-up, update, and revision of the Technical Notebook on Number Portability and ENUM.
2. Workshop on portability to share regional experiences or models on the implementation of number portability in the Americas.

**XVII PCC.I Meeting (2010):**

1. Submittal of recommendations on the Numbering and Addressing Plans for Converging Networks and Multimedia.
2. Drafting the document with the best practices for numbering plans.

**4. WORKING GROUP ON DEVELOPMENT**

- 4.1 Rapporteur for developing ICTs in areas and groups with unattended needs or with specific issues, which will deal with the following study questions:**
- i. Indigenous peoples and communities.
  - ii. People with disabilities.
  - iii. Access to ICTs in areas or towns with unattended needs.

**Work Plan:**

**XIII PCC.I Meeting (2008)**

Start-up of the compilation of information on national and international recommendations, commitments, and parameters.

**XIV PCC.I Meeting (2009)**

Submittal of the compilation of information on national and international recommendations, commitments, and parameters.

**XV PCC.I Meeting (2009)**

Holding a workshop on ICT development policies for areas or groups insufficiently serviced or under special situations to work on the following study questions.

## **XVII PCC.I Meeting (2010)**

Issuance of public ICT development policies for areas or groups insufficiently serviced or under special situations to work on the following study questions.

### **4.2 Rapporteur group on scientific and technological research and technology transfer**

#### **Work Plan:**

- a) Reiterate to all member delegations the request for information on the topics of this rapporteurship.
- b) Complete the database submitted at the XII Meeting on the basis of information of the administrations and the information obtained by the members of the rapporteurship.
- c) Update information on science, technology and innovation organizations and institutions, as well as nongovernmental organizations (NGOs), networks, universities, technology centers and other organizations involved in the topics of this rapporteurship.
- d) With the representatives of the member countries, monitor the accuracy of the information supplied and the establishment of contacts for technical cooperation with the organizations mentioned in item c) above.
- e) Compile informative contributions from papers and initiatives produced by other organizations and institutions involved in scientific and technological research on telecommunications, which were submitted by the academic community at national and international congresses.
- f) Establish ties with other science, technology, and productive innovation organizations of member countries in order to ensure the update of information, especially with the Office of Education, Science and Technology of the Organization of American States.
- g) Support all members in their efforts to implement the search and subsequent transmittal of information.
- h) Set up, through CITELE's web page, an online discussion group to receive the contributions made by member States and associate members on this topic.
- i) Follow up on regional contents that develop activities related to scientific and technological research on telecommunications, for their subsequent inter-relation and coordination.
- j) Make progress in drawing up agreements between CITELE and other institutions of the continent that develop, compile, or articulate information related to current and future knowledge about ICT-related technological and scientific topics.
- k) Produce an interactive CD that can be updated and that brings together not only the databases stemming from the present rapporteurship, but also any other information that might reflect the progress made in cooperation and agreements implemented with other academic, scientific, and technological organizations and institutions. Make the CD available on CITELE's web site.

#### **Actions**

<b>Activities</b>	<b>Date</b>
1. Encourage the administrations to make contributions to the Rapporteurship through the Discussion Group that has already been set up (item a).	XII Meeting of PCC.I
2. Identify the efforts made in other international organizations (item c). 3. Promote agreement between CITEL and ALTEC (Latin American Association of Technological Management) (item j)	XIII Meeting of PCC.I
4. Items e), b), f), h).	XIV Meeting of PCC.I
5. Items i), j), k).	XV Meeting of PCC.I
6. Culmination of activities (item k).	XVI Meeting of PCC.I
7. Final delivery of the CD.	XVII Meeting of PCC.I

#### **4.3 Question: General updated information on projects and initiatives related to ICT**

##### **Work plan:**

Technical Notebook or Reference Document that holds up-to-date general information on projects and initiatives in information and communication technologies for development in Latin America and the Caribbean that are relevant and pertain to the topics and sectors identified in the present Working Group.

#### **4.4 Rapporteur Group on the use of Telecommunications for Disaster Relief and Prevention**

<b>Activities</b>	<b>Date</b>
1. Encourage administrations to make contributions in the Rapporteurship through the Discussion Group that has already been created.	XI and XII Meeting of PCC.I
2. Identify efforts made in other international organizations.	XI, XII and XIII Meeting of PCC.I
3. Structure the tables of contents of the Technical Notebook.	2 months before the XIV Meeting of PCC.I
4. Submit the Technical Notebook.	XIV Meeting of PCC.I
5. Update the Technical Notebook	XV Meeting of PCC.I

6. Permanently update the Technical Notebook	XVI and following meetings of PCC.I

#### **4.5 Other initiatives related to WGD**

##### **Work plan:**

##### **XIII PCC.I Meeting (2008)**

- a) Submit results of the questionnaire on the training needs of PCC.I.
- b) Submit proposals for workshops on topics of interest of the WGD.

##### **XIV PCC.I Meeting (2009)**

- a) Submit proposal to conduct a study that would make it possible to draw up policies to improve connectivity in the region.
- b) Hold workshops about topics of interest of the WGD.

##### **XV PCC.I Meeting (2009)**

Submit questionnaires and working documents for the purpose of furthering the study on policies to improve connectivity in the region.

##### **XVI PCC.I Meeting (2010)**

- a) Draw up a questionnaire that makes it possible to establish generally applied indicators and statistical definitions for the member States for the purpose of evaluating development-related telecommunication and ICT aspects.
- b) Hold workshops about topics of interest of the WGD.

##### **XVII PCC.I Meeting (2010)**

- a) Submit the results of the study on policies to improve connectivity in the region.
- b) Submit the results of the questionnaire on generally applied indicators and statistical definitions for the member States for the purpose of evaluating development-related telecommunication and ICT aspects.
- c) Draw up an information plan for the purpose of managing the indicators to evaluate development-related telecommunication and ICT aspects.

#### **IV. RECOMMENDATIONS**

##### **PCC.I/REC. 3 (XIII-08) <sup>10</sup>**

##### **APPLICATION AND USE OF REGULATORY ACCOUNTABILITY**

The XIII Meeting of Permanent Consultative Committee I: Telecommunications,

##### **CONSIDERING:**

- a) The new mandate received from the IV CITEL Assembly, adopted by Resolution CITEL RES. 55 (IV-06);
- b) That PCC.I is CITEL's Telecommunications Advisory Committee regarding new policy, regulatory and economic matters derived from the rapid evolution of telecommunications;
- c) The new PCC.I structure, and the mandates and terms of reference for the Working Groups adopted by Resolution PCC.I/RES. 104 (IX-06), particularly those regarding the Working Group on Policy and Regulatory Considerations (WGPRC);
- d) That the mandate of the Rapporteur Group on Telecommunications Economic Aspects of PCC.I of WGPRC is to develop studies on the economic aspects and tariff principles of telecommunication services, and to examine the need for new or adapted charging and accounting mechanisms for the provision of such services in the Region,

##### **RECOGNIZING:**

- a) That the regulatory and control authorities consider of the utmost importance to have economic regulatory tools in order to fulfill their objectives.
- b) That among those objectives emphasis should be put on promoting the development of a telecommunications market in a competitive environment, protecting customers, and having a reliable and easy to use database based on common criteria to determine, for example, measures to prevent the existence of anti competition practices or cross-subsidies;
- c) That the Regulatory Accounting, is oriented to separate the income, costs and expenditures of a service provider that are strictly related to regulated activities from those related to associated services or not regulated services;
- d) That in this sense, it is necessary to have relevant, uniform and transparent information so that Administrations might be able to legislate regarding their respective needs and features,

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<sup>10</sup> CCP.I-TEL/doc. 1550/08

## **TAKING INTO ACCOUNT:**

- a) The questionnaire on Regulatory Accounting sent to the Administrations of CITEL's Member States in order to obtain information about legal, economic and accounting aspects derived from the provision of telecommunication services in the region PCC.I/DEC.61 (XI-07);
- b) The creation of a Technical Folder on Practical Cases regarding the Application and Use of Regulatory Accounting in order to provide updated consulting information to the countries of the region (PCC.I/RES.122 ( XI -07),

## **ALSO TAKING INTO ACCOUNT:**

That in relation to the above mentioned effects, it is very useful to have general and common guidelines regarding economic regulation within the framework of CITEL, specially regarding the provision of Regulatory Accounting systems,

## **RECOMMENDS:**

That all the Administrations of CITEL's Member States where cost-based regulation is applicable should take into account the general guidelines included in the annex, to create a Regulatory Accounting system within the framework of their respective national legislations.

## **REQUESTS:**

That CITEL Executive Secretary distributes this Recommendation to all Administrations of CITEL's Member States and Associated Members.

## **ANNEX TO RECOMMENDATION PCC.I/REC. 3 (XIII-08) GENERAL GUIDELINES FOR A REGULATORY ACCOUNTING SYSTEM**

**For CITEL's Member States where cost-based regulation is applicable, the basic general guidelines proposed for a Regulatory Accounting system are the following:**

- It should be based on the definition of simple, transparent and concise principles;
- All regulatory requirements must consider whether a provider has market power or not, covering only those areas where data are necessary to approach the established policy goal, so as not to become an administrative burden, in particular for those providers not having market power;
- Telecommunication Service Providers should provide economic, accounting and financial information, and usage data;
- Within each country, a uniform set of criteria of identification, valuation and allocation of accounts or entries should be achieved;
- It should include a clear accounting separation of inflow and outflow, costs and expenditures, between regulated activities and not regulated activities provided by each service provider;

- Within its different stages of design, implementation and management, a Regulatory Accounting system should take into account cost oriented methodologies, with the highest possible level of accounting separation, in order to promote the establishment of efficient prices/rates for the services;
- Basically, the system should include:
  - A Plan and an Account Handbook, indicating its equivalencies with each provider's accounting system, in which account separation should be established according to regulatory objectives;
  - An Income and Costs Allocation Handbook bearing the criteria determined by the regulator, namely: accounting separation of inflow and outflow, costs and expenditures for each service, activity, process or entry, considering cost causation principles, and all upon an objective basis.
  - Use and Application Handbooks of the information included in and produced by a Regulatory Accounting system.

**V. DECISIONS**

The XIII Meeting of the Permanent Consultative Committee I: Telecommunications,

**DECIDES:**

<b>PCC.I/DEC.81 (XIII-08)</b> <sup>11</sup>	<ol style="list-style-type: none"> <li>1. To request that the Executive Secretary of CITEL distribute, among CITEL Member States and PCC.I Associate Members, the Technical Notebook 9 on convergence, whose table of contents is included in document CCP-TEL/doc.1489 rev.2, requesting contributions for the different sections of the document.</li> <li>2. To invite the administrations which have not yet replied to the survey on Resolution PCC.I/RES.134 (XII-08) to provide the requested information to complement said notebook.</li> </ol>
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<sup>11</sup> CCP.I-TEL/doc. 1552/08 rev.1

<p><b>PCC.I/DEC. 82 (XIII-08)</b> <sup>12</sup></p>	<ol style="list-style-type: none"> <li>1. To adopt the complete version of the <i>Yellow Book on the Conformity Assessment Procedures for Telecommunication products in the Americas</i> as included in document PCC.I/doc.1541/08.</li> <li>2. To instruct the Executive Secretary of CITELE to distribute this report to all Member States, associate members of CITELE and entities interested in the matter.</li> <li>3. To include this Yellow Book in the CITELE website in a prominent place and linked to other documents on this subject.</li> <li>4. To conduct mini-workshops in the context of the Rapport Group on MRA and CAP of the WGPRC in order to explain the contents of the Yellow Book. To post presentations on this subject in the CITELE website.</li> <li>5. To maintain the discussion group on the Yellow Book in the CITELE e-discussion forum in order to continuously provide information and keep the document updated.</li> </ol>
<p><b>PCC.I/DEC. 83 (XIII-08)</b> <sup>13</sup></p>	<ol style="list-style-type: none"> <li>1. To approve the document update of “CITELE Guidelines and Practices for Interconnection Regulation in the Americas” contained in CCP.I-TEL/doc 1420/08 rev.1.</li> <li>2. To distribute the document “CITELE Guidelines and Practices for Interconnection Regulation in the Americas” contained in CCP.I-TEL/doc 1420/08 rev.1. among all CITELE Member States.</li> <li>3. To publish the “CITELE Guidelines and Practices for Interconnection Regulation in the Americas” document on the CITELE website.</li> <li>4. To invite Member States to reply to the survey for the document update of “CITELE Guidelines and Practices for Interconnection Regulation in the Americas” so as to add this information to the CCP.I-TEL/doc. 1420/08 rev.1</li> </ol>
<p><b>PCC.I/DEC.84 (XIII-08)</b> <sup>14</sup></p>	<ol style="list-style-type: none"> <li>1. To support putting forward the Administration of Brazil as CITELE’s candidate for the position of representative of the Americas Region in the Working Group on Human Resource Development of the ITU-D Telecommunication Development Advisory Group;</li> <li>2. To request the Executive Secretary to inform the Director of the Telecommunication Development Bureau (BDT) regarding that proposal.</li> </ol>

<sup>12</sup> CCP.I-TEL/doc. 1553/08

<sup>13</sup> CCP.I-TEL/doc. 1551/08

<sup>14</sup> CCP.I-TEL/doc. 1496/08

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

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

CCP.I-TEL/doc. 1521/08

Summary Minutes of the Second Plenary Session:

CCP.I-TEL/doc. 1540/08 rev.1

Summary Minutes of the Third Plenary Session  
and Closing Session:

CCP.I-TEL/doc.1559/08 rev.1

List of Documents:

CCP.I-TEL/doc. 1372/08 rev.4

List of Participants:

CCP.I-TEL/doc. 1373/08 rev.1

Final Report for the Meeting

CCP.I-TEL/doc. 1560/08 rev.1