

PERMANENT COUNCIL



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ANNUAL REPORT  
OF THE INTER-AMERICAN TELECOMMUNICATION COMMISSION (CITEL)  
TO THE GENERAL ASSEMBLY

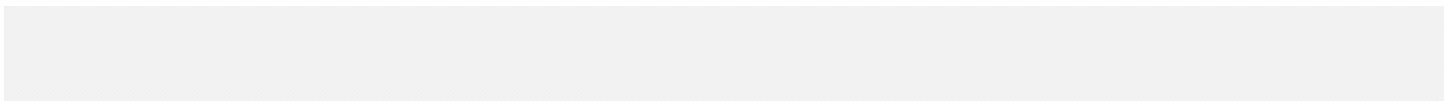
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ORGANIZATION OF AMERICAN STATES

# 2008 ANNUAL REPORT

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INTER-AMERICAN TELECOMMUNICATION  
COMMISSION (CITEL)



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## EXECUTIVE SUMMARY

Of the numerous changes in telecommunications and the general ICT environment recognized as having important impacts for the Inter-American Telecommunication Commission (CITEL), some of the most salient include:

- The recognition that ICTs are an effective instrument to promote economic growth, peace, security and stability, as well as to foster democracy, social cohesion and good governance at the regional, national and international levels;
- The convergence of technological platforms for telecommunication, information, broadcasting and computing;
- The growth of the Internet and other platforms based on Internet protocol (IP) and connected services;
- Rapid and continuous development of the wireless and mobile communication network;
- The emergence of new technologies;
- Continual market liberalization, particularly in the developing countries, including the opening of markets to competition;
- The permanent challenge of creating capacity, in particular, for developing countries, given rapid technological innovation;
- The need to make the best use possible of the scarce financial and human resources available.

Notable activities of CITEL during 2008:

- a. Adoption of different recommendations on standards coordination to ensure the interoperability and timely introduction of advanced technologies; harmonization of the radio spectrum and the operation of radiocommunication services, including broadcasting; development and implementation of cutting-edge technologies and economic aspects to promote the development of telecommunication services and networks;
- b. Different professional telecommunication refresher courses offered, with material prepared by accredited training centers in the region and coordinating with the Center of Excellence of the International Telecommunication Union (ITU);
- c. Coordination and harmonization of the region's perspectives for world telecommunication forums, through the development of common positions and Inter-American proposals;
- d. Organization of different seminars and workshops on matters of priority to the countries; and

CITEL should remain an inter-governmental steering organization, where Member States and Associate Members work together to foster the growth and sustainable development of telecommunication and information networks and to facilitate universal access, so that everyone everywhere can participate in the Global Information Economy and Global Information Society and take advantage of its benefits;

In the future CITEL will continue its activities to raise public awareness about its mandate, mission, and activities, as well as improving access to information on matters of concern to the Member States.

## **1. INTRODUCTION**

This Annual Report is published pursuant to the provisions of Article 90.f of the Charter of the Organization of American States (OAS), and Article 17 of the Statute of CITELE. Its contents are in keeping with the guidelines established by the OAS General Assembly in its resolution AG/RES. 1452 (XXVII-O/97) for preparation of annual reports on the activities of the organs, agencies, and entities of the Organization.

This report covers the period January-December 2008.

## **2. ORIGIN AND STRUCTURE OF CITELE**

The Inter-American Telecommunication Commission (CITELE) is an entity of the Organization of American States established by the General Assembly in its resolution AG/RES. 1224 (XXIII-O/93), in keeping with Article 52 of the Charter of the Organization. CITELE has technical autonomy in the performance of its functions, within the limits of the Charter of the Organization, the Statute of CITELE, and such mandates as the General Assembly of the Organization may assign to it.

### **2.1 Objectives and functions of CITELE**

#### **Objectives**

- a. To facilitate and promote, by all means available to it, the continuing development of telecommunications, including information and communication technologies, in this hemisphere.
- b. To promote and foster the existence of appropriate telecommunications, including information and communication technologies, for the process of regional development.
- c. To organize and sponsor the periodic holding of meetings of technicians and experts to study planning, financing, construction, operation, standardization, technical assistance, maintenance, and other matters related to the use and operation of telecommunications in the Americas.
- d. To promote the adoption of uniform technical standards and criteria for the operation of the systems, in order to obtain maximum benefit from the available facilities for each individual country and for the region as a whole within the framework of global standardization of the International Telecommunication Union (ITU).
- e. To promote and study technical assistance, in agreement with the governments of the countries concerned.
- f. To foster the improvement and harmonization of administrative, financial, and operational procedures for the planning, installation, improvement, maintenance, and operation of the telecommunication networks of the Member States of CITELE, within the framework of the recommendations of the ITU.

- g. To recommend studies and promote the adoption of official agreements between the governments of the Member States of the Organization, in connection with the planning, installation, maintenance, and operation of telecommunications systems in the hemisphere.

### **Functions**

- a. To sponsor or undertake studies that will permit the orderly development of telecommunications networks, making use of the most suitable and efficient systems available.
- b. To maintain continuous contact with the various governmental and non-governmental international organizations in the field of telecommunications, and to promote the coordination of their activities with those of the Member States of the Organization.
- c. To request the cooperation of world or regional governmental organizations, especially the ITU, the Caribbean Telecommunication Union, and of international agencies concerned with telecommunications that enjoy executive status with the United Nations or maintain cooperative relations with the Organization.
- d. To collect and disseminate among the Member States of CITEL information pertaining to accomplishment of its objectives, as well as any other information that may be of interest.
- e. To serve as the principal advisory body of the Organization in all matters related to telecommunications in the Americas.
- f. To study the regulatory aspects of telecommunications.
- g. To study legal problems related to direct transmission via satellite, in order to prepare draft inter-American agreements on this subject and to formulate a common position for the Member States of CITEL to take in this connection when dealing with the pertinent international agencies.
- h. To prepare studies on the harmonization of policies on matters relating to telecommunications.
- i. To make recommendations in the field of telecommunications to the governments of the Member States of CITEL, taking into account those made by the ITU.
- j. To prepare and coordinate research in the field of telecommunications and electronics.
- k. To consider any other matters relating to Inter-American cooperation in the field of telecommunications as requested by the General Assembly, or the Councils of the Organization.

## **2.2 Members and participants**

All member states of the Organization are Members of CITELE.

The following organizations and entities may participate as observers:

- OAS permanent observers and, subject to COM/CITEL's approval, those American States that are not members of the Organization and which have requested to participate in the meeting;
- Subject to COM/CITEL's approval, those non-American states that are members of the United Nations or its specialized agencies and which have asked to participate in the meeting;
- Inter-American specialized organizations and entities of the Organization, and inter-American intergovernmental regional organizations;
- The United Nations and its specialized agencies;
- International and national organizations that are parties to agreements or arrangements establishing relations of cooperation with the Organization, with its organs, organizations, or agencies when such agreements or arrangements provide for participation of observers;
- Subject to COM/CITEL's approval, those international, regional, subregional and national agencies and organizations that are involved in telecommunications activities in the region and which have asked to participate in the meeting.

The Statute of CITELE also provides for participation, as an Associate Member of a Permanent Executive Committee, by any agency, organization, or institution related to the telecommunications industry that has legal personality, with the approval of the corresponding Member State of CITELE. Since January 2004, Associate Members have made a minimum annual contribution of US\$2,500 [CITEL/RES. 40 (III/02)] for each Permanent Executive Committee in which they participate. At its XX Meeting, COM/CITEL adopted resolution COM/CITEL/RES. 220 (XX-08), which sets the value of the contributory unit at US\$3,000 for each Permanent Consultative Committee, effective as of January 1, 2010, subject to ratification by the Assembly of CITELE at its Fifth Meeting. Associate Members may participate fully, with voice but without vote, in all activities of the Permanent Executive Committee selected. They may present technical documents, and receive the documents of the Committee of which they are Associate Members, and of its working and ad hoc groups. As of December 31, 2008, CITELE had 123 Associate Members. Annex A contains a complete list of Associate Members.

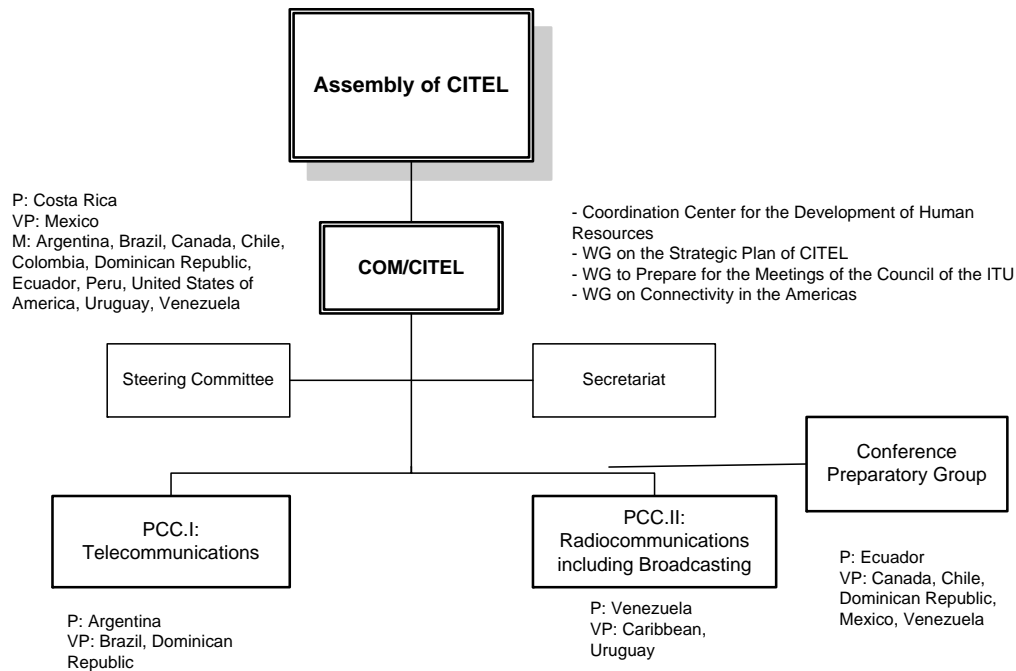
## **2.3 Structure of CITELE**

CITELE's current structure is:

- The Assembly of CITELE
- Permanent Executive Committee (COM/CITEL)
- Steering Committee
- Permanent Consultative Committees (PCCs):
  - Permanent Consultative Committee I: Telecommunications (PCC.I)



- Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II)
- Conference Preparatory Working Group to address regional preparations for international conferences and meetings
- Secretariat



It should be noted that the Steering Committee generally meets once a year and assists in the Commission's administration and strategic planning. The Permanent Consultative Committees (PCCs) provide advice on matters pertaining to their respective spheres of competence. They establish working groups and ad hoc groups where necessary to study topics of special interest. At present, there are 13 working groups that cover different aspects of telecommunications and radio communications, which in turn have 29 rapporteur groups or sub groups on topics of priority to the region. This structure came into effect as of the Fourth Regular Meeting of the Assembly of CITEC, held from 20 to 23 February 2006, in San Jose, Costa Rica.

### 3. ACTIVITIES OF CITEC

Annex B hereto contains a list of the meetings held in 2008, indicating in each case the number of the corresponding final report. That Annex also contains a list of CITEC's quantifiable results for 2008.

### 3.1 Permanent Executive Committee of CITEL (COM/CITEL)

#### Authorities

Chair:	Mr. Pedro Pablo Quirós Cortés (Costa Rica) [until December 5, 2008] Mr. Roberto Dobles (Costa Rica) [as of December 5, 2008]
Alternate Chair:	Mr. Claudio Bermúdez Aquart (Costa Rica)
Vice-Chair:	Mrs. Euridice Palma (Mexico)

The [Permanent Executive Committee](#) is the executive body of CITEL and generally meets once a year. The **XX Meeting** was held in San José, Costa Rica, on December 3 to 5, 2008 and included an in-depth analysis of the mandates assigned to CITEL and the activities required to comply with them. The Regular Fund allocation received by CITEL is insufficient to meet its needs and, therefore, specific funds allocated under the regulations exclusively for the support of the Permanent Consultative Committees have been utilized to meet its costs. Resolution COM/CITEL RES. 222 (XX-08), was adopted, which emphasizes that “CITEL is the intergovernmental organization of the inter-American system that promotes and facilitates telecommunication development in the region and coordinates Inter-American proposals in the relevant international forums” and that it “depends primarily on the financial support it receives from its Member States as an allocation in the annual OAS Regular Fund budget.” The resolution urges the representatives of the Member States of CITEL “to discuss the content of this Resolution with the pertinent authorities of their Ministries of Foreign Affairs and to make an effort to obtain their support for a substantial increase in the allocation made to CITEL in the OAS Regular Fund budget for 2010.” The Chair of COM/CITEL forwarded a copy of this resolution to the Chair of the OAS Permanent Council, the Chair of the Committee on Administrative and Budgetary Affairs of the Permanent Council, the OAS Secretary General, and the Executive Secretary for Integral Development of the OAS.

It should be noted that at the above-mentioned meeting, the draft agenda was adopted for the Fifth Regular Meeting of the Assembly of CITEL, to be held in the first quarter of 2010.

Lastly, Resolution COM/CITEL RES. 220 (XX-08) was adopted, which sets the value of the contributory unit at US\$3,000 for each Permanent Consultative Committee, effective as of January 1, 2010, subject to ratification by the Assembly of CITEL at its Fifth Regular Meeting.

#### **Main activities underway and new initiatives:**

##### **- Regional preparatory work for regional and world conferences and meetings**

Preparations by CITEL continued for the ITU World Telecommunication Development Conference (WTDC) and the ITU Plenipotentiary Conference (PP), to be held in 2010.

##### **- Human resource development**

In 2008, in keeping with the provisions of resolution COM/CITEL RES. 204 (XVIII-06), scholarships were offered for a total of 24 courses: 17 distance education and seven attendance-

based. These courses were selected by CITELE, taking account of the priority training needs of the countries of the region. A total of 196 scholarships were offered to recipients from 27 countries.

It should be noted that in many cases, the number of scholarships initially authorized could not be awarded, since not enough scholarship applications were received. This was more marked in the case of distance education courses, owing to the lengthy procedures required and the low scholarship amount. It should be noted that CITELE evaluates the materials to ensure course quality. The preliminary program of courses for which CITELE scholarships will be offered for 2009 was also adopted. For further details, see Section 9 of this report.

- **Plan of operations for 2008 and 2009**

The draft program-budget of CITELE and schedule of meetings for 2009 were adopted. The details of the first are contained in Section 10 and, of the second, in Section 11.

- **Strategic Plan of CITELE**

Taking into account CITELE's current budgetary restrictions, it was decided to conduct an evaluation of the objectives and functions of CITELE, established in its Strategic Plan 2006-2010, and to propose priorities for action by the Commission in preparing a new version of the Strategic Plan, for the period 2010-2014, for consideration by the Assembly of CITELE at its Fifth Regular Meeting. The PCCs were also requested to review their work plans and their linkage with CITELE's objectives, establishing performance and results indicators for use in evaluating the impact of their work on the countries of the region.

- **Connectivity in the Americas**

A report was given on the status of projects to support the bridging of the digital divide and the development of the Information Society, which included, among other topics: infrastructure; access networks, and aspects of ownership, including ICT literacy and local content development.

### **3.2 Steering Committee of CITELE**

The Steering Committee is made up of the Chair and Vice Chair of COM/CITELE and the Chairs of the Permanent Consultative Committees (PCCs). The XII Meeting of the Steering Committee was held in two sessions (July 16, 2008 and August 26, 2008), by videoconference and teleconference with Buenos Aires, Argentina; San José, Costa Rica; Mexico City, Mexico; Washington, D.C., United States of America; and Caracas, Bolivarian Republic of Venezuela.

Some of the most important topics addressed were:

- Review of the 2008 CITELE activities program and the situation of the Associate Members, and consideration of the budget for upcoming years.
- Actions by the Chair with the Secretary General of the OAS regarding resolution COM/CITELE RES.215 (XIX-07) of COM/CITELE, raising additional funds from the OAS Secretary General to cover the shortfall of the plan of operations for 2008 and to fund other CITELE activities in 2008 and 2009.

- Situation of scholarship programs in 2008.
- Reports of the Working Groups of COM/CITEL.
- CITEL budget for 2009.
- Preparation for the 5<sup>th</sup> Assembly of CITEL in 2010.
- 5<sup>th</sup> Summit of the Americas to be held in Puerto España, Trinidad and Tobago, in April 2009, and whose theme is “SECURING OUR CITIZEN’S FUTURE BY PROMOTING HUMAN PROSPERITY”.
- Progress made with pilot projects for bridging the digital divide, in accordance with the agreement signed with the International Telecommunication Union (ITU) “Bridging the ICT Standardization Gap for the Americas region.”

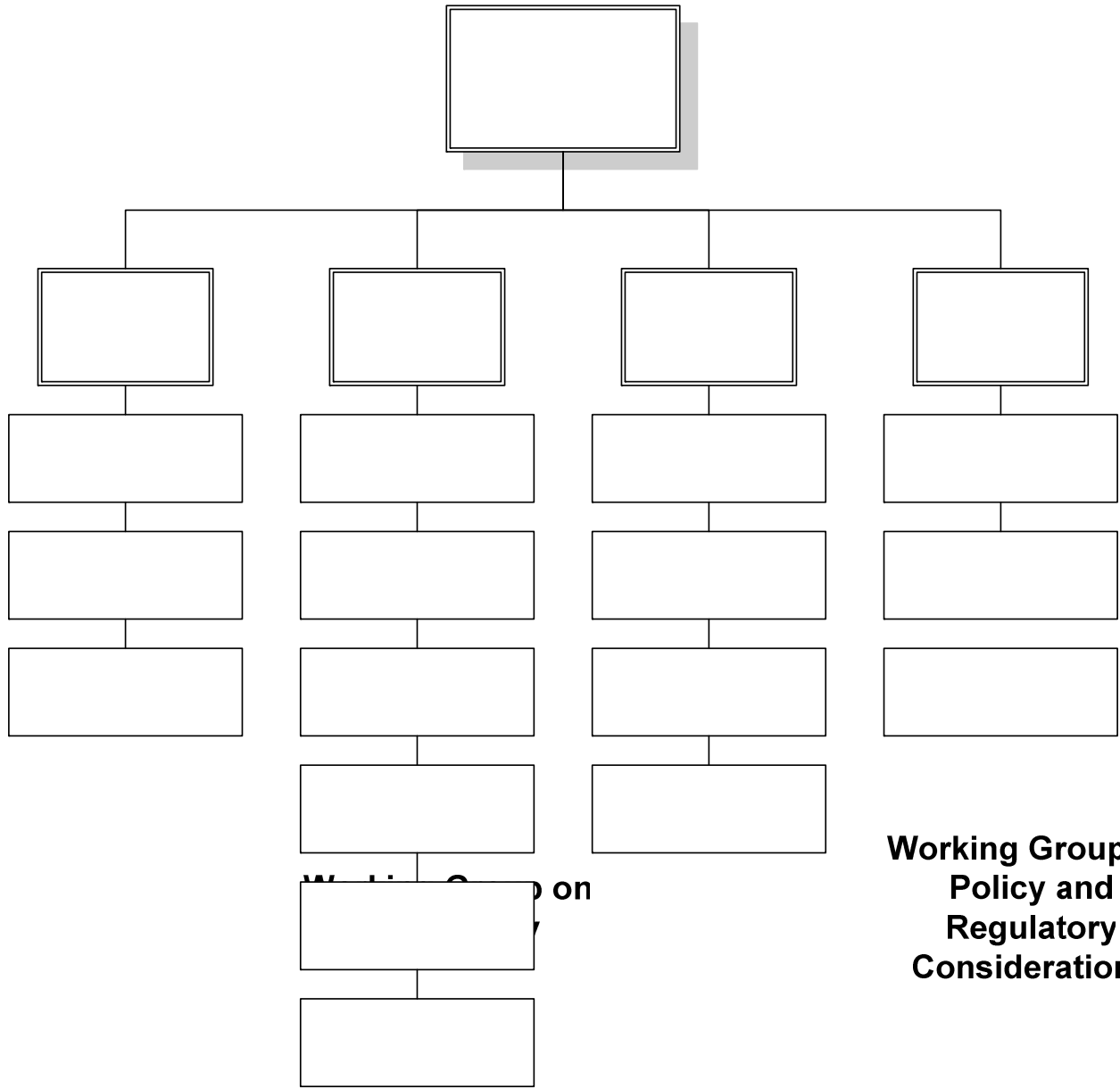
### 3.3 Permanent Consultative Committee I: Telecommunications

#### Officers:

Chair:	Mr. Carlos Lisandro Salas (Argentina)
Alternate Chair:	Mr. Sergio Scarabino (Argentina)
Vice Chair:	Mr. José Gonçalves Neto (Brazil)
Vice Chair:	(Dominican Republic)

[Permanent Consultative Committee I](#) (PCC.I) is the telecommunication advisory body of CITEL as regards standards for the coordination of network and telecommunication services standards, with the aim of achieving the interoperability of such networks and services in the region; new policy, regulatory and economic matters arising from the rapid evolution of telecommunications; and initiatives regarding the introduction of technologies and services, such as, among others, Mutual Recognition Agreements (MRAs), conformity assessment procedures, and tariff issues.

Two meetings were held in 2008: the **XII Meeting**, from **March 12 to 14, 2008**, in Washington, D.C., United States of America, and the **XIII Meeting**, from **August 5 to 8, 2008**, in Puerto Iguazú, Misiones, Argentina. The Rapporteur Group for the Preparation of the World Telecommunication Standardization Assembly (WTSA) held an additional meeting on May 23, 2008, in Brasilia, Brazil, as well as nine sessions during WTSA-08, which took place October 21 to 30, 2008, in Johannesburg, South Africa. OAS/CITEL presented 40 inter-American proposals at that Assembly.



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**Working Group on  
Policy and  
Regulatory  
Considerations**

Main ongoing activities and new initiatives  
**Rapporteur Group on  
Standards Coordination**

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

**- Technology**

As regards technologies, the Committee will concentrate on reviewing existing standards on fiber access, power line communications, security, IPTV and service quality for next generation networks (NGN). In addition, progress will be assessed with respect to emergency communications, identity management, the status of RFID technology and of Intelligent Transport Systems.

**Rapporteur Group on  
Network Infrastructure**

**Rapporteur Group on  
Telecommunications  
Economic Aspects**

**Rapporteur Group on**

**Rapporteur Group on**

importance is the study of the standards necessary to transition to next generation networks, infrastructure to support personalized services delivery, matters related to the convergence of existing networks to ensure that interoperability is maintained throughout the region, continued evaluation of the evolution of advanced services, and the proposal of studies on the most prevalent services. The objective is to adopt specific recommendations better serving current and future needs of the region's networks.

Activities of particular note in 2008:

- Updating of the Technical Notebooks on IPTV (audiovisual content transmitted utilizing the IP protocol) and Power Line Communication (PLC) (the use of power lines to transmit information).
- Establishment of the "Technical Notebook on Next Generation Network (NGN) Infrastructure" to provide information on the current status of and trends in NGN technology.
- Adoption of a resolution on the International Emergency Preference Scheme for Disaster Relief Operations (IEPS), and another on Emergency Telecommunication Services (ETS) and Interconnection Framework for National Implementation of ETS.

- **Policy and regulatory considerations**

This subject generates a great deal of interest due to the changing environment of the telecommunication sector. Of special note, studies are underway on: government policies and experiences in the management of ccTLD and blocks of IP addresses, economic aspects and tariff principles of telecommunication services including an examination of the need for new or adapted fee and accounting mechanisms in the provision or supply of these services in the Region, security issues related to the development of communication networks, assessment of the conformity of telecommunication equipment, and the Mutual Recognition Agreement (MRA) in this area, and convergence studies from the perspective of telecommunication regulation and policies.

Of particular note in 2008:

- Participation in the World Telecommunication Standards Assembly (WTSA). The WTSA concluded in Johannesburg, South Africa, on October 30, 2008, with a series of decisions on a broad range of subjects that will affect the direction that the information, communications and technology (ICT) industry will take in the future. Participating in the Assembly were 768 delegates from 99 countries.

The participants representing the global ICT industry and administrations from all over the world requested that more importance be given to key issues such as the ICTs and climate change, the deployment of IPv6, ICT accessibility for the handicapped and the performance of conformance and compatibility testing. In addition, ITU standardization activities were restructured to strengthen the treatment of these important areas of study.

CITEL held a preparatory meeting of the Rapporteur Group on preparation for the WTSA on May 23, 2008, and nine sessions of that Group were held during the Assembly itself, where 29 communications were exchanged and 40 inter-American proposals (IAP) were submitted on the following subjects:

(i) Structure of the ITU-T Study Groups (SG) and work method; (ii) Procedure for allocation and management of international telecommunication numbering, naming, addressing and identification resources; (iii) network externalities; (iv) International Telecommunication Regulations; (v) telecommunications standardization in relation to the interests of developing countries; (vi) Internet governance / World Summit on the Information Society (WSIS); (vii) standardization divide; (viii) regional groups, particularly the creation of a Regional Group on Quality of Service (QoS) for the Americas (SG 12); (ix) flagship groups on standardization aspects; (x) working methods and procedure for the management of activities of ITU-T; (xi) participation in the activities of the ITU; (xii) ICTs and environment, (xiii) tests and certification; (xiv) emergency communication; and (xv) ICT access.

Regarding the Assembly, in particular, the coordination and participation work of CITELE was based on a structure of five plenary committees and two working groups: Committee 1: Steering; Committee 2: Budget Control; Committee 3: ITU-T Working Methods; Committee 4: Work Programme and Organization of ITU-T; and Committee 5: Editorial Committee. With respect to the working groups, Group 1 dealt with subjects related to the results of the WSIS and the work of the Study Groups and Group 2, matters related to reducing the standardization divide. Twenty-one new resolutions were adopted, 27 resolutions were reviewed, 2 new recommendations were adopted, and 7 recommendations were reviewed.

- Adoption of a Recommendation on Regulatory Accounting. Regulatory accounting has now become an essential tool allowing the regulator to carry out its functions effectively. In general, regulatory authorities, acting under the umbrella provided by concession contracts or service licenses, do not have the same quality information as those responsible for carrying out such service provision. This problem arises especially with regard to payments, costs and expenses related to service delivery. In view of the interest in the subject, it was also decided to implement plans for human resource training in the area of Regulatory Accounting.

- Adoption of the complete version of the Yellow Book on telecommunication conformity assessment procedures for telecommunication products in the Americas, a document that provides an overview of the situation in the Americas with regard to national conformity assessment, certification, legislation, regulation, and how to design a system for evaluation of the conformity of telecommunication equipment.

- Recommendation on the implementation of IPv6, especially with regard to telecommunication equipment procurement.

- **Network operation and service delivery**

Under this topic, the Committee will analyze the operation of telecommunication service providers, the introduction of services over current and next generation networks, the convergence of networks and services, and best practices in detecting and reducing telecommunications fraud.

Of special note in 2008 were:

- The analysis of regional Roaming (visiting subscriber) to propose recommendations on best practices for the operation and provision of the service in the Region.

- Initiation of the compilation of information for the preparation of a Technical Notebook on number portability.

- **Development**

This objective of this group is to identify specific actions aimed at bridging the digital divide, and universalization of the use of information and communication technologies (ICTs) to facilitate network infrastructure development, access to new services, and transfer of technology and knowledge, especially for developing countries, taking into account principally the needs of vulnerable groups and indigenous communities.

Noteworthy in 2008 was the adoption of a resolution to identify, analyze and synthesize best practices in the development of ICTs among indigenous peoples of the Americas, addressing the parameters established by the recommendations of CITELE and other regional and international organizations. In addition, a first compilation was presented of information on science, technology and innovation entities and institutions, as well as nongovernmental organizations (NGOs), networks, universities, technological centers and other related organizations.

- **Seminars, workshops and informational meetings**

Workshops help disseminate specialized knowledge about cutting-edge technologies. Those held in 2008 were:

**Joint CITELE/IDB (IIRSA) Workshop on International Roaming**

Washington, D.C., United States of America, March 11, 2008

On March 11, 2008, from 9:00 to 6:00 pm (Washington, D.C., USA time) at the headquarters of the Inter-American Development Bank (IDB), the Joint Workshop, as a product of the Initiative for the Integration of Regional Infrastructure in South America (IIRSA) and CITELE on International Roaming. This workshop constituted the first precursor of an IDB technical component to support a project facilitating integration of the countries' communications. The event aimed to bring together regional actors interested in the subject: government authorities in the areas of communications and economy, operators and consumer associations. The objective of the event was to define guidelines for assessment of Roaming in the region and to prepare a strategic plan for the execution of a project on the subject.

**Third Workshop on "User Protection State-Operator Administrative Tools to Minimize the Impact of Fraud"**

Puerto Iguazú, Misiones, Argentina, August 6, 2008

Puerto Iguazú, Misiones, Argentina, August 6, 2008. The workshop was held during the meeting of the Working Group on Network Operation and Service Delivery; the main objective was to address the problem from the perspective of users and their needs. It discussed different aspects of this crime, which may be considered transnational, of interest to users, States, and operators, since criminals increasingly utilize telecommunication platforms remotely to perpetrate fraud; information on the magnitude of loss from fraud in the sector; main types of fraud occurring in the region; the



higher prices for the end user resulting from additional anti-fraud operations; and the damage to the image and reputation of telecommunication users and operators.

**Seminar on “Sharing of Regional Experiences and/or Models on the Implementation of Numeric Portability in the Americas”**

Puerto Iguazú, Misiones, Argentina, August 7, 2008

This seminar provided an opportunity to share regional experiences and/or models in the implementation of numeric portability in the Americas. At the event, held during the meeting of the Working Group on Network Operation and Service Delivery, different models of numeric portability were presented, which enabled the Administrations to evaluate the advantages and disadvantages of adopting the system.

**3.4 Permanent Consultative Committee II: Radiocommunication including Broadcasting**

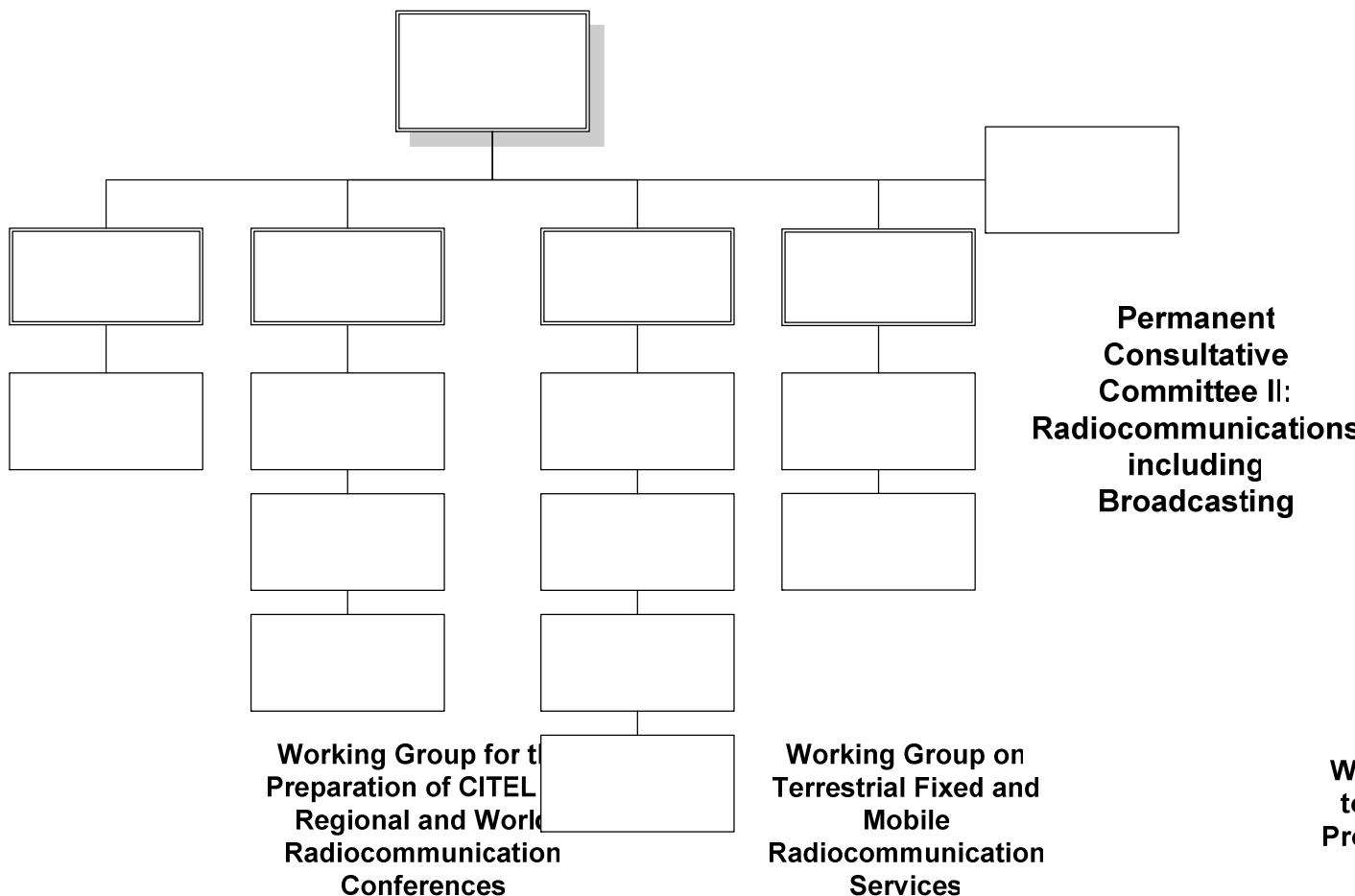
**Officers:**

Chair:	Mr. Socorro Hernández (Venezuela)
Alternate Chair:	Mr. Mikhail Marsiglia (Venezuela)
Vice Chair:	Mr. Jaime Igorra (Uruguay)

The [Permanent Consultative Committee II](#) (PCC.II) is the technical advisory body of CITEI for coordination and harmonization of standards on spectrum use, and the planning and efficient use of the radio spectrum and satellite orbits for radiocommunications including broadcasting.

Two meetings were held in 2008. The **XI Meeting** was held in Washington, D.C., United States of America, April 22 to 25, 2008, and the **XII Meeting** in Mar del Plata, Argentina, September 16 to 19, 2008.

There is growing recognition of the importance and evolution of wireless technologies, the economic value of the limited frequency spectrum, and the need for consideration of measures making possible the interoperability of technological systems and rapid technological development.



**Main activities under way and new initiatives:**

**- World Radiocommunication Conference (WRC)**

Subworking Group for the purpose of boosting the participation of the Administrations in the process of preparing IARs

PCC.II is developing the purpose of boosting the participation of the Administrations in the process of preparing IARs

Sub Working Group on the ITU-R Working Party 8F (WP8F) on ITU-T 2006 the WRC, the international treaty known as the Telecommunication (Sf) on ITU-T 2006 the WRC, the international treaty known as the process of preparing IARs is being revised. These regulations govern the use of the radiofrequency spectrum and satellite orbits. The Radio Regulations contain frequency allocations for over 40 radiocommunication services, ranging from amateur and professional radiocommunications to mobile wireless technologies and satellite communications.

Sub Working Group on Ultra Wide Band (UWB)

Preparations for WRC-11 began in 2008, with the establishment of the Sub Working Group on Ultra Wide Band (UWB) on the agenda items and analyzing the procedure to be followed to achieve UWB proposals. In view of the excellent results achieved, interregional coordination continues, with mutual participation in meetings held on these topics held by regional organizations of Europe, Asia-Pacific, the Regional Commonwealth in the Field of Communications, Africa, and the Arab group.

**- Fixed and mobile terrestrial radiocommunication services**

Sub Working Group in Radar and Radionavigation

Work continues to identify the status of radio frequency use, especially in Region 2, in order to prepare resolutions and recommendations for the harmonization of spectrum use for fixed and mobile terrestrial radiocommunication services.

Of note during 2008, analysis continued of spectrum needs for the operation of unmanned aircraft systems (UAS), frequencies available in emergencies, theory and application of cognitive or intelligent radio equipment, 700 MHz band relocation, broadband wireless access systems, and the technique known as MIMO (multiple input-multiple output).

- **Fixed and mobile terrestrial satellite systems**

The objective is analysis of the implementation of satellite systems by CITELE Member States, taking into account, *inter alia*, the following points in mind among others: use of radio frequency spectrum and possible criteria for frequency band sharing for the interoperation of satellite systems, and other coordination services and procedures consistent with those of the ITU-R. Another objective is to propose mechanisms that compile information on technical standards; regulatory framework; network operation; existing technologies on the market; unrestricted circulation of GPRS terminals across borders; and the services routed through satellite systems.

In 2008, a recommendation was adopted for Administrations in the Americas to notify the ITU Radiocommunication Bureau regarding their earth stations specific to the fixed satellite service (FSS) (space-Earth) in the 3 400-4 200 MHz range. Also, work began to compile information on granting generic or block licenses for earth stations.

Also to be noted are the mechanisms being prepared to resolve cases of harmful interference among satellite systems and guidelines to facilitate the installation of Integrated Systems in the Americas. Integrated systems are systems utilizing Mobile Satellite Service (MSS) and terrestrial components, in which the earth component is complementary to the MSS system and operates as a part of it and, together with the satellite component, provides integrated service.

- **Broadcasting**

The objectives are: to identify the current status of radio frequency use, especially in Region 2, for the harmonization of the use of the spectrum for broadcasting services (radio and television); to promote the introduction of new broadcasting technologies; and to promote among Member States the coordination and harmonization of procedures, standards and operating aspects related to broadcasting networks and services, in keeping with the socioeconomic, technological and training needs of each country.

In 2008, work centered on the Digital Terrestrial Television (DTT) Broadcasting Implementation Guide. The Digital Terrestrial Television (DTT) Broadcasting Implementation Guide is designed to help Member States with planning and implementation of DTT, by sharing the experiences of countries that have already made significant efforts in this area. The aim of this guide is to assist each Administration in implementing the DTT system best suited to its needs, with particular consideration of the social, economic, and industrial circumstances of that country. An analysis of specific current use of the 54-72 MHz / 76-88 MHz / 174-216 MHz range was also initiated.

- **Technical and regulatory aspects of the effects of non-ionizing electromagnetic emissions**

The objective is to disseminate information on technical and regulatory aspects of non-ionizing electromagnetic emissions (NIE) to facilitate scientific knowledge in this area and the deployment of wireless networks, protecting health and respecting the environment. In addition, PCC.II is at the service of all Administrations requiring collaboration for the development of their respective standards and/or dissemination of information through meetings and seminars.

- **Seminars, workshops and informational meetings**

**Joint ITU /CITEL Forum: “Enabling a business environment in the Americas”**

Washington, D.C., United States of America, April 21, 2008

The objective of this joint International Telecommunication Union (ITU)/CITEL event was to promote debate among the Member States and the private sector on improvement of mutual cooperation for the development of ICT/telecommunications in the Americas and the creation of a policy and regulatory environment fostering the development of the ICT industry and the expansion of services to rural, marginalized and remote areas.

**Fixed Satellite Service Seminar**

Mar del Plata, Argentina, September 15, 2008

The seminar addressed the status of the Fixed Satellite Service (FSS) satellite industry and aspects such as types of services and their applications, the results of WRC-07, satellite system regulations, and the challenges FSS users experience with regard to interference. This seminar will serve as the basis for developing new recommendations in areas of the work plan of this Working Group, such as:

- Development of a database on earth stations experiencing interference in service reception that are operating in the 3.4-4.2 GHz range.
- Promotion of an international registry for FSS earth stations (reception only) and mitigation of interference of terrestrial wireless services.

#### **4. SUMMIT OF THE AMERICAS**

As noted in earlier annual reports, CITEL prepared the base document of the Agenda for Connectivity in the Americas and Plan of Action of Quito and, given the Agenda’s multisectoral nature, this document was forwarded to the OAS Summit of the Americas Secretariat for its implementation. This document proposes guidelines for the member states in developing national connectivity agendas. CITEL has created a connectivity information page on its website to facilitate the exchange of information.

The most recent activities of the Executive Committees have enabled rapid progress to be made in connection with the mandates assigned to CITEL by the Summit, in particular, those pertaining to:

- Measures designed to modernize national legislation;
- Fostering of increased competitiveness and productivity in all sectors through applications such as distance education and tele-medicine;
- Simplification of provisions governing the provision of satellite services in our countries;
- Modernization and expansion of telecommunication infrastructure in rural and urban areas through timely incorporation of new technologies and services;
- Promotion of discussion on adequate standards to ensure interoperability for existing and future telecommunication networks and timely introduction of technology in new and existing markets;
- Enhancement of telecommunication sector human resources by means of ongoing training programs;
- Analysis of the status of connectivity in the region

Since the adoption of the Agenda for Connectivity in the Americas and Plan of Action of Quito, great strides have been made with regard to the connectivity objectives in all countries of the region, based on actions carried out in the framework of regional, subregional, and world multilateral organizations, and within the scope of the World Summit on the Information Society process. In view of such advances, an inventory was compiled about connectivity initiatives and their implementation situation in the region, including national connectivity timetables, particularly with regard to the use of ICTs. Based on this study, the Agenda for Connectivity in the Americas and Plan of Action of Quito moved to phase II, with the aim of strengthening the promotion of its results and facilitating the beneficial integration of the Hemisphere into an increasingly knowledge-based society.

## **5. ACTIVITIES OF THE SECRETARIAT**

The main functions and responsibilities of the Secretariat are defined in Articles 25, 26, and 27 of the Statute of CITEL and in Articles 91 and 92 of the Regulations of CITEL.

### **5.1 Improvement of the procedures of CITEL**

During 2008, every effort continued to promote CITEL's priority activities, disseminate its image, and carry out activities both to retain its current number of Associate Members and to attract new Members.

To encourage active participation of current members and attract new participants, it is essential to offer an effective and efficient organizational framework and a plan for the active promotion of the value of CITEL in order to provide assurance of its advantages, underscoring its worldwide recognition, credibility, and leadership, the high quality and impact of its recommendations, and its willingness to adapt in accordance with the needs/priorities of the countries of the region.

Furthermore, mechanisms for preparations for international telecommunication meetings have been enhanced, with the aim of presenting common positions to strengthen the regional position in the international context. As indicated in previous Sections, to be noted is the work done in 2008 in the framework of the World Telecommunication Standardization Assembly.

The work plans of the Permanent Consultative Committees are being established taking into account the decisions of the OAS General Assembly and the Summits of the Americas, and recognizing the outcomes of World Summit on the Information Societies (WSIS) and the work done by ITU and other relevant organizations. The PCCs, when they consider it relevant, will update the methods and processes they are using to implement the Strategic Plan of CITELE, which identify objectives and actions to be implemented by CITELE to fulfill the purposes set out in this document.

In 2008, publication continued of info@CITELE, a monthly electronic newsletter on activities in the telecommunications sector, targeted at Member States, Associate Members, and other interested parties. Industry members have welcomed this CITELE publication, which currently has **7,000** subscribers.

## 5.2 Representation of CITELE in other forums

The Secretariat took part in the following meetings outside the normal schedule of activities of CITELE. The budget to participate in these events is not provided by CITELE.

Meeting	Venue and date	Representative
Second Latin America and the Caribbean Ministerial Conference on the Information Society	San Salvador, El Salvador February 5 to 9, 2008	Mr. Clovis Baptista, Executive Secretary of CITELE
Invitation to speak at the WTO Symposium on Telecommunications	Geneva, Switzerland February 19 to 22, 2008	Mr. Clovis Baptista, Executive Secretary of CITELE
Seminar Workshop on DIGITAL TV (COMTELCA)	Tegucigalpa, Honduras February 27, 2008	Mr. Clovis Baptista, Executive Secretary of CITELE
Forum on competition of telecommunications in Mexico	Washington, D.C., United States of America April 8, 2008	Mr. Clovis Baptista, Executive Secretary of CITELE
International Telecommunications Congress ACIEM 2008	Bogotá, Colombia June 12 and 13, 2008	Mr. Jaime Herrera Chair of the WG on Connectivity for the Americas
Second International IP Telecommunications Congress	Quito, Ecuador July 10, 2008	Ms. Graciela Piedras, Secretariat of CITELE
Global Standards Collaboration (GSC)	Boston, Massachusetts, United States of America July 14 to 17, 2008	Mr. William McCrum (Canada)
GSMLA meeting	Río de Janeiro, Brazil August 19 to 21, 2008	Mr. Clovis Baptista, Executive Secretary of CITELE
ITU-R Workshop on IMT-Advanced	Seoul, Korea October 7, 2008	Mr. José Costa (Canada)
Caribbean Broadband Forum 2008	Trinidad and Tobago November 18 to 20, 2008	Mr. Claudio Bermúdez (Alternate Chair of

Meeting	Venue and date	Representative
		COM/CITEL and Assistant Telecommunications Manager of ICE-Costa Rica) Mr. Marc Girouard Strategic Planning Manager of Industry Canada
Cybersecurity Awareness: Creation and Management of a Computer Security Incident Response Team (CSIRT)	Port of Spain, Trinidad and Tobago, December 1 to 5, 2008	Mr. Wayne Zeuch Rapporteur on standards coordination

Also to be noted is the participation by Member States in preparatory meetings for:

**- World Telecommunications Standardization Assembly (WTSA-08)**

Meeting	Venue and Date	Representative
AWF Interim Meeting 2008 and the 1st APT Conference Preparatory Group Meeting for WRC-2011 (APG2011-1)	Bangkok, Thailand March 4 to 6 and March 6 to 8, 2008	AWF Interim Meeting 2008 Spokesperson: Mr. Doug Sward (Canada) 1st APT Conference Preparatory Group Meeting for WRC-2011 (APG2011-1) Spokesperson: Mr. Alexander Roytblat (United States of America) Delegate: Mr. Doug Sward (Canada)
Preparatory meeting of Africa	Accra, Ghana 29 to 30 May 2008	Mr. Bruce Gracie and Mr. John Visser (Canada)
XIV APT Standardization Program Forum (ASTAP-14) (June 9 to 11, 2008, Kobe, Japan) and the Second APT Preparatory Meeting for WTSA-2008	Kobe, Japan June 9 to 11 and June 12 to 14, 2008	Spokesperson: Mr. William McCrum (Canada) Delegates: Mr. Bruce Gracie (Canada) Mr. Claudio Bermudez (Costa Rica)
WG-ITU meeting	Copenhagen, Denmark September 11 and 12, 2008	Mr. Bruce Gracie (Canada)

- **World Radiocommunication Conference 2011 (WRC-11)**

<b>Meeting</b>	<b>Venue and date</b>	<b>Representative</b>
Meeting of the Conference Preparatory Group	Paris, France February 20 to 22, 2008	Spokesperson: Mr. Alexander Roytblat (United States of America)  Delegates: Mr. Jean-Claude Brien (Canada) Ms. Darlene A. Drazenovich (United States of America)
Meeting of the CEPT Project A Group	Paris, France June 11 and 12, 2008	Mr. Jerry Conner (United States of America).
Caribbean 6 <sup>th</sup> Spectrum Management Policy Development Meeting	Dominica August 5 to 8, 2008	Mr. Carmelo Rivera (United States of America), Co-Vice Chair of the Working Group for the Preparation of WRC-11
Conference Preparatory Group, Project Team D	Kristiansand, Norway September 23 to 25, 2008	Mr. David Pierce (United States of America)
Third Meeting of the Conference Preparatory Group (CPC) of the Pacific Telecommunications Council (PTC)	Estoril, Portugal September 29 to October 3, 2008	Mr. Mike Biggs (United States of America)
Civilian/Military Frequency Management Working Group	Paris, France October 7 and 8, 2008	Mr. David Pierce (United States of America)
2nd Conference Preparatory Group (CPG-PTB)	Toulouse, France November 18 to 20, 2008	Ms. Shayla Taylor (United States of America)
Conference Preparatory Group (CPG-11-2)	Brussels, Belgium December 1 to 3, 2008	Mr. Alexander Roytblat (United States of America) Ms. Darlene Drazenovich (United States of America)

In addition, to be noted is the participation by Member State representatives in preparatory meetings for the World Radiocommunication Conference (WRC-07), organized by other regional telecommunication organizations, where information was provided on aspects of radiocommunications, broadcasting, and the status of preparations for that Conference.

## **6. MAINSTREAMING GENDER IN THE WORK OF CITEL**

CITEL has always encouraged the full and equal participation of women in decision-making at every level.



CITEL's Coordination Center for the Development of Human Resources, which determines the telecommunication training program with the aim of addressing the needs of CITEL Members, focuses especially on promoting gender equality in selecting scholarship recipients and in course material, in accordance with the operative section of COM/CITEL RES. 160 (XIII-03). In 2008, 24 courses were offered (17 distance education and seven attendance-based courses) on topics of telecommunication policy, regulation, management, and technology; 196 scholarships were awarded to participants of 27 countries of the region, 30% of whom were women. This training will enable levels of knowledge and skill to be enhanced, thus affording better access to the labor market.

It should also be noted that in the period covered by this report, promotion continued of the CITEL/International Telecommunication Union regional project "Bridging the ICT Standardization Gap for the Americas region," whose agreement was concluded in 2007. That initiative seeks to improve integration of the countries of the Americas into the Information Society, in accordance with the principles arising from the World Summit on the Information Society, the Summits of the Americas, the OAS mandates, and the Millennium Development Goals. Notable specific objectives of the project include: the design and preparation of training programs on digital applications for officials and the general public to enable them to make intelligent use of ICTs to improve their living conditions, and the design and preparation of plans to develop and implement community telecenters with basic telephony, data transmission services, and Internet access.

Preparations have also begun for the World Telecommunication Development Conference and the Plenipotentiary Conference of the International Telecommunication Union, key international meetings where telecommunication sector development strategies will be established and, through the presentation of inter-American proposals, the promotion of better access to all opportunities afforded by ICTs will be encouraged.

CITEL plans to continue working to exchange information, knowledge, experiences, lessons learned, and best practices of technical, economic, and regulatory aspects, and to promote the inclusion of the gender perspective in the sector's work policies and programs, as well as better understanding of the socioeconomic advantages afforded by information and communication technologies, especially in developing countries.

## **7. COOPERATION RELATIONS WITH REGIONAL AND INTERNATIONAL ORGANIZATIONS**

Cooperation by CITEL with international and regional organizations continues to grow as a means to improve efficiency, avoid duplication of effort, and reduce time for resolving disputes by considering different issues at an early stage. The objective of such agreements is to ensure that, through cooperation with other organizations on topics of common interest, synergies will be obtained that will enhance the efficiency of the parties. In general, cooperation agreements provide for coordination and cooperation in carrying out activities that both parties have included in their annual work programs, such as the organization of seminars on topics of common interest, collaboration on joint projects, and joint training and publications. In addition, they provide for access by the parties to documents and publications pertaining to their programs and activities. Through the collective efforts of the Permanent Consultative Committees of CITEL, the organization has gained

considerable international recognition, as attested to by the number of cooperation agreements concluded.

CITEL takes part in interregional meetings with the criterion of strengthening dialogue with the representatives of regional telecommunication organizations throughout the world for matters addressed in international telecommunications organizations, such as the International Telecommunication Union (ITU), in order to facilitate work during said Conferences.

Special note should be made of activities to develop coordination with the regional organizations of Africa, Europe (Western and Eastern), Asia-Pacific, and the Regional Commonwealth in the Field of Communications in preparation for the 2008 World Telecommunication Standardization Assembly .

Cooperation with the ITU has grown in recent years, as is evident from the various activities carried out jointly. Among these, we underscore the ongoing coordination of telecommunication training programs with the Center of Excellence for the Americas Region.

The table below shows the 18 organizations with which CITEL has signed cooperation agreements.

<b>Organizations</b>	<b>Objective</b>	<b>Date of signature/ termination</b>
Hispano-American Association of Research Centres and Telecommunications Companies (AHCJET)	An association of research centers and telecommunication companies whose purpose is to promote and cooperate in the development of various technical, administrative, and training aspects in the telecommunications area, with a view to optimal promotion of the areas of research, study, and company administration.	Signed: November 15, 1996
Andean Community Telecommunications Enterprises Association (ASETA)	An international organization with broad experience in the telecommunication area	Signed: December 14, 2001
Alliance for Telecommunication Industry Solutions (ATIS) Committee T1 (USA)	Establishes standards for planning, designing, and the operation of global end-to-end telecommunications and related telecommunication services	Signed: August 24, 2001
African Telecommunications Union (ATU)	An agency of the African Union (AU) established by the fourth regular meeting of the Plenipotentiary Conference of the African Telecommunications Union as the successor to the Pan-African Telecommunications Union (PATU). Its objective is to promote the rapid development of info-communication in Africa in order to achieve, in the most efficient manner, universal service, universal access, and full inter-country connectivity	Signed: June 13, 2003

<b>Organizations</b>	<b>Objective</b>	<b>Date of signature/ termination</b>
Caribbean/Latin American Action (C/LAA)	An independent private organization for the promotion of private sector-led economic development in the Caribbean area and throughout the Hemisphere	Signed: August 16, 2002
CDMA Development Group (CDG)	A consortium of companies that have joined together to provide leadership in the adoption and evaluation of CDMA systems worldwide.	Signed: October 21, 2003
European Conference of Postal and Telecommunications Administrations (CEPT)	An independent organization that cooperates with the European Union and the European Free Trade Association, other pertinent inter-institutional organizations, and other organizations associated with postal services and electronic communications	Signed: March 21, 2002
European Telecommunications Standards Institute (ETSI)	Carries out pre-standardization and standardization activities in areas common to telecommunications, information technology, and sound and television broadcasting, and produces European standards in the telecommunications area	Signed: July 17, 2001
3G Americas	To encourage and facilitate the deployment of GSM, GPRS, EDGE, and UMTS (WCDMA) in the Americas	Signed: August 31, 2004
Global VSAT Forum	An independent non-profit organization that promotes private sector-led economic development worldwide, including the Americas.	Signed: October 1, 2003
International Astronautical Federation (IAF)	A nongovernmental, non-profit organization for the advancement of knowledge of space and the development and application of space resources to benefit mankind.	Signed: August 25, 2003
Telecommunication Industry Association (TIA) (USA)	Pre-standardization and standardization activities in areas common to telecommunications, through a consensus-based process that includes all interested parties. It has been accredited by the American National Standards Institute (ANSI) and has ensured TIA's compliance with ANSI's rules for openness and balance. TIA's objective is to contribute to worldwide standardization at the international level and it works very closely with European and Asian standards organizations.	Signed: August 20, 2001

<b>Organizations</b>	<b>Objective</b>	<b>Date of signature/ termination</b>
Regional Commonwealth in the Field of Communications (Federación de la Mancomunidad Regional en el Área de Comunicaciones) (RCC)	Created by the communications administrations of the states indicated in the agreement establishing a Regional Commonwealth in the Field of Communications (December 17, 1991), with the aim of ensuring broad cooperation and carrying out coordinated activities among these states in the area of postal communications and telecommunications. (Azerbaijan Republic, Republic of Armenia, Republic of Belarus, Georgia, Republic of Kazakhstan, <a href="#">Kyrgyz Republic</a> , <a href="#">Republic of Moldova</a> , <a href="#">Russian Federation</a> , <a href="#">Republic of Tajikistan</a> , <a href="#">Republic of Turkey</a> , Turkmenistan, <a href="#">Republic of Uzbekistan</a> , <a href="#">Republic of Ukraine</a> ).	Signed: August 14, 2002
IA-450	Formed four years ago to promote the use of digital and analog technologies in the 400-500 MHZ band. Currently has 24 members, including 10 operators and 13 industry members.	March 6, 2006
ICANN	ICANN, a non-profit public-interest entity, is the international organization responsible for managing and supervising coordination of the Internet domain name system and its unique identifiers. ICANN was created through a Memorandum of Understanding between the US Department of Commerce and ICANN to manage the transition of the Domain Names System (DNS) from the Government of the United States of America into the global community. The most recent version of the Memorandum of Understanding is meant to be the final text and sets forth a series of objectives for ICANN which, when they are achieved, will lead to a totally independent ICANN organization.	Signed: November 2007
Internet Society (ISOC)	An international organization whose mission is to provide world coordination and cooperation in connection with the Internet.	Signed: October 2, 2008
Unión Postal de las Américas, España y Portugal (UPAEP)	An intergovernmental organization whose mission is to coordinate the regulation of postal activity and postal policy in general among its member states to ensure that universal service is provided on an equal access basis as a means of ensuring quality of service and safeguarding customer's rights.	Signed: May 29, 2002
International Telecommunication Union	An international organization of the United Nations system, in which governments and the private sector coordinate global telecommunications networks and services. An agreement was signed between the ITU	Signed: May 16, 1969

Organizations	Objective	Date of signature/ termination
	<p>and the OAS, not with CITELE in particular, in 1969. In April 2004, an agreement specific to the training program was signed with the ITU Centre of Excellence. To complement this Agreement, a specific tripartite agreement was concluded between CITELE, the ITU, and the Regional Training Centers that offer the courses, indicating a number of aspects, among them: each organization's responsibilities, number of scholarships, copyright, and evaluation of the quality of the material. These agreements normally remain in force until the conclusion of the different courses.</p> <p>A cooperation agreement on "Bridging the ICT Standardization Gap for the Americas region" was signed on August 20, 2007.</p>	<p>Signed: April, 2004</p>

## 8. STATUS OF INTERNATIONAL CONVENTIONS SPONSORED BY CITELE

### 8.1 Lima Convention

The Inter-American Convention on Amateur Service was adopted in Lima, Peru, in 1987, at the Fifth Inter-American Telecommunication Conference [CITELE/RES. 130 (V-87)], and amended in 1988, at the First Special Meeting of CITELE [CITELE/RES. 141 (I/E-88)] to permit and facilitate full participation by Member States of CITELE. This Convention provides for the use of amateur radio service by nationals of a Member State in the territory of another Member State.

This Convention came into force on February 21, 1990. The OAS General Secretariat is the depository for the original instrument and for the Convention's instruments of ratification and accession.

Signatory country	Date of signature	RA/AC/AD	Date of deposit of instrument
Argentina	08/14/87	RA 03/11/90	12/06/90
Bolivia	08/14/87		
Brazil	08/14/87		
Canada		AD 04/06/89	05/18/89
Chile	08/14/87		
Colombia	08/14/87		
Guatemala		AD 12/05/89	01/22/90
Haiti	08/14/87		
Mexico		AD 03/13/89	06/21/89
Paraguay	09/07/95	RA 05/24/95	09/15/95
Peru	08/14/87		
Suriname	08/14/87		

<b>Signatory country</b>	<b>Date of signature</b>	<b>RA/AC/AD</b>	<b>Date of deposit of instrument</b>
United States of America	08/14/87	AC 02/21/91	03/20/91
Uruguay	08/14/87		
Venezuela		AD 10/14/88	11/30/88

RA= ratification

AC= acceptance

AD= accession

Signatures that are not subject to ratification, approval, or acceptance (under Articles 7.a and 10 of the Convention, these countries are Parties to the Convention) are: Argentina, Bolivia, Brazil, Colombia, Chile, Haiti, Peru, and Suriname.

The signatures subject to ratification, approval, or acceptance (under Article 7.b of the Convention) are: United States of America and Uruguay.

## **8.2 Inter-American Convention on an International Amateur Radio Permit (IARP)**

This was adopted at the Second Meeting of CITEL's Permanent Executive Committee, held in December 1994 [COM/CITEL RES. 5 (II-94)]. It was subsequently adopted in Montrouis, Haiti at the twenty-fifth regular session of the General Assembly [AG/RES. 1316 (XXV-O/95)].

This Convention provides for temporary operation of amateur radio stations in a Member State by persons holding IARP permits issued by another Member State without need for further review. Any Member State may issue permits to its citizens to operate in another Member State. The IARP Convention came into force on February 23, 1996. The OAS General Secretariat is the depository for its instruments of RA, AC, and AD.

<b>Signatory country</b>	<b>Date of signature</b>	<b>RA/AC/AD</b>	<b>Date of deposit of instrument</b>
Argentina		AD 01/29/97	03/03/97
Brazil	01/24/97	RA 08/19/99	09/28/99
Canada	09/27/95	AC 09/27/95	09/27/95
El Salvador	03/18/99	RA 02/08/02	03/08/02
Panama	04/09/02	RA 02/03/03	03/27/03
Peru	09/15/95	RA 12/28/95	01/24/96
United States	06/08/95		
Trinidad and Tobago		AD 07/13/01	08/16/01
United States of America	06/08/95		
Uruguay	06/08/95		
Venezuela	02/05/95		

## **8.3 Protocol of Amendment to the Inter-American Convention on the International Amateur Radio Permit (IARP)**

At its thirty-third regular session, the OAS General Assembly, in resolution AG/RES. 1947 (XXXIII-O/03), adopted the Protocol of Amendment to the Inter-American Convention on the Amateur Radio

Permit, intended to grant holders of the Radio Amateur License of the member countries of the European Conference of Postal and Telecommunications Administrations (CEPT) that have implemented CEPT's Recommendation T/R 61-01, "CEPT Radio Amateur License" the same rights and privileges granted to IARP holders of CITEL Member States that become States Parties to the Protocol, while CEPT extends to holders of IARPs the same privileges and exemptions granted to holders of CEPT Radio Amateur Licenses of the member countries of CEPT that have implemented the aforementioned Recommendation.

This new procedure will reduce the countries' workload and, therefore, the costs involved, and will be of fundamental importance, particularly in emergency situations. The OAS General Secretariat is the depository for instruments of RA, AC, and AD.

<b>Signatory country</b>	<b>Date of signature</b>	<b>RA/AC/AD</b>	<b>Date of deposit of instrument</b>
Panama	11/21/06	RA	11/21/06

Member States are urged to sign the Convention and the Protocol of Amendment, in view of the importance of this method of communication in disasters.

## 9. TRAINING ACTIVITIES SPONSORED BY CITEL/OAS

Changes in the telecommunications environment have increased the need for professional development of telecommunication human resources in the region through training on priority topics. In 2008, CITEL had 19 Regional Training Centers distributed throughout the region and works in close coordination with the ITU Center of Excellence for the Americas Region.

The program of courses for which scholarships are offered was prepared based, in general, on the surveys of the region's needs. In 2008, pursuant to the provisions of resolution COM/CITEL RES. 204 (XVIII-06), scholarships were offered for 17 distance education courses and 7 attendance-based courses, details of which are given in the table below.

<b>Course</b>	<b>Offered By</b>	<b>Type of course, language, date</b>
Design and Implementation of IP Networks	National University of Engineering - Executing Unit 002 INICTEL-UNI (INICTEL-UNI)	<i>Distance learning (6 weeks)</i> Spanish May 5 to June 13
Implementation of aggregate Ethernet/MPLS network aggregation for the provision of multiple services	Engineering and Technology Faculty, Catholic University of Uruguay	<i>Distance learning (5 weeks)</i> Spanish May 5 -Jun 6
E-government for Development: Strategies and Policies	United States Telecommunications Training Institute) (USTTI)	<i>Traditional (2 weeks)</i> English June 16 to 27

<b>Course</b>	<b>Offered By</b>	<b>Type of course, language, date</b>
		<i>Washington, DC, USA</i>
Convergence of Fixed / Mobile through IMS (NGN Diploma - Module IV)	National Telecommunications Administration of Uruguay (ANTEL)	<i>Distance learning (6 weeks) Spanish June 30 to August 8</i>
Third-Generation Wireless and Multimedia Systems / CDMA 450	Center of Excellence for the Americas of the International Telecommunication Union	<i>Distance learning (4 weeks) Spanish June 30 to July 25</i>
Internet Network Engineering Course	Center for Technological Innovation of the School of Engineering of Paraguay	<i>Traditional (5 days) Spanish July 14 o 18 Asunción, Paraguay</i>
Fraud Prevention, Detection and Control Techniques	Francisco José de Caldas District University	<i>Distance learning (7 weeks) Spanish July 21 to September 12</i>
Regulation and Standardization of Interconnection	Colombian Association of Engineers (ACIEM)	<i>Distance learning (6 weeks) Spanish August 18 to September 26</i>
Wireless and Mobile Network Security	Julio Garavito Colombian School of Engineering	<i>Distance learning (4 weeks) Spanish September 22 to October 19</i>
Applying 21st Century ICTs in Emerging Markets	United States Telecommunications Training Institute) (USTTI)	<i>Traditional (5 days) English October 6 to 10 Santa Clara, California, USA</i>
Mobile Broadband and Mobile TV	United States Telecommunications Training Institute (USTTI)	<i>Traditional (5 days) English October 13-17 Bozeman, Montana, USA</i>
Security in Communications Networks	Technological Innovation Center, Faculty of Engineering of Paraguay	<i>Traditional (5 days) Spanish November 10-14 Asuncion, Paraguay</i>
Satellite Networks – VSAT	National University of Engineering - Executing Unit 002 INICTEL-UNI (INICTEL-UNI)	<i>Distance learning (7 weeks) Spanish November 17- December 21, 2008 January 26 to February 17, 2009</i>
Public Policies for the Technology, Information and Communication Sectors	Telecommunications Commission of Central America (COMTELCA) - Honduras	<i>Distance learning (4 weeks) Spanish November 17 to December 12</i>
ABC Costing System Used in Calculating Termination Prices	Engineering and Technology School of the Catholic University of Uruguay)	<i>Distance learning (5 weeks) Spanish November 17-December 19</i>



<b>Course</b>	<b>Offered By</b>	<b>Type of course, language, date</b>
Digital Cities	Telecommunications Commission of Central America (COMTELCA) - Honduras	<i>Distance learning (6 weeks)</i> <i>Spanish</i> <i>November 24-December 19, 2008</i> <i>January 26-February 6, 2009</i>
3G-4G Technology	Buenos Aires Institute of Technology (ITBA)	<i>Distance learning (5 weeks)</i> <i>Spanish</i> <i>First part: December 1-14, 2008</i> <i>Second part: January 26-February 20, 2009</i>
Traffic	Blas Pascal University	<i>Distance learning (6 weeks)</i> <i>Spanish</i> <i>First part: December 1-14, 2008</i> <i>Second part: January 26-February 20, 2009</i>
Internet version 6 (IPv6) Protocol	Center of Excellence for the Americas of the International Telecommunication Union through the National Telecommunication Commission of Venezuela	<i>Distance eeducation (4 weeks)</i> <i>Spanish</i> <i>First part: December 1-14, 2008</i> <i>Second part: January 26-February 20, 2009</i>

The terms on which courses are offered, unless otherwise expressly indicated, were adopted in the aforementioned Resolution:

- The maximum number of students in each distance course group shall be: 35 participants.
- The maximum tuition fee for all distance education courses with scholarships through CITEL will be US\$200.
- That 10% of the total amount collected from tuition fees from all distance learning scholarships granted by CITEL/OAS through the ITU Center of Excellence platform will be deposited in an account to be used as seed budget for the course program in coming years. The use of such seed budget will be authorized by the Coordination for the Development of Human Resources.

Through the 2008 Professional Development Scholarship Program of the OAS Department of Human Development, the following courses were conducted.

<b>Course</b>	<b>Offered By</b>	<b>Type of course, language, date</b>
Telecommunications Regulation in a Dynamic and Competitive Environment	United States Telecommunications Training Institute (USTTI)	<i>Traditional (1 week)</i> <i>English</i> <i>June 18 to 25</i> <i>Washington, D.C., USA</i>
Information Technology Regulation Policy	United States Telecommunications Training	<i>Traditional (1 week)</i> <i>English</i>

<b>Course</b>	<b>Offered By</b>	<b>Type of course, language, date</b>
	Institute (USTTI)	<i>July 28 to August 1 Washington, D.C., USA</i>
DIGITAL SIGNATURE: Technical and Legal Issues	Blas Pascal University	<i>Distance learning (Self-managed) Spanish and English August 25 to November 25 the latest</i>
Introduction to Telecommunications	Buenos Aires Institute of Technology (ITBA)	<i>Distance learning (6 weeks) Spanish November 10 to December 19</i>
Public Policies for the Technology Communication and Information Sectors (received a scholarship supplement that the CITEL scholarship fund was already utilizing)	Telecommunications Commission of Central America (COMTELCA) – Honduras	<i>Distance learning (4 weeks) Spanish November 17 to December 12</i>
Online Business	Blas Pascal University	<i>Distance learning (6 weeks) Spanish First part: December 8 to 19, 2008-12-04 Second part: February 2 to 27, 2009</i>

A summary of the number of scholarships used in 2008 is shown in the table below. Member States that have not presented candidates are urged to disseminate the scholarship offer as widely as possible so that the benefits of the courses can be enjoyed by everyone in the region. In addition, member states are urged to simplify application procedures for CITEL scholarships.

<b>COUNTRY</b>	<b>TOTAL</b>
ANTIGUA AND BARBUDA	1
ARGENTINA	2
BAHAMAS	0
BARBADOS	5
BELIZE	2
BOLIVIA	10
BRAZIL	3
CANADA	1
CHILE	11
COLOMBIA	22
COSTA RICA	9
DOMINICA (COMMONWEALTH OF)	0
ECUADOR	21
EL SALVADOR	10
UNITED STATES OF AMERICA	0
GRENADA	1

<b>COUNTRY</b>	<b>TOTAL</b>
GUATEMALA	6
GUYANA	0
HAITI	3
HONDURAS	17
JAMAICA	0
MEXICO	4
NICARAGUA	0
PANAMA	6
PARAGUAY	13
PERU	16
DOMINICAN REPUBLIC	1
SAINT KITTS AND NEVIS	1
SANTA LUCIA	2
ST. VINCENT AND THE GRENADINES	1
SURINAME	3
TRINIDAD AND TOBAGO	0
URUGUAY	10
VENEZUELA	15
<b>TOTAL SCHOLARSHIPS USED</b>	<b>196</b>
<b>TOTAL COUNTRIES</b>	<b>27</b>

By resolution COM/CITEL RES. 217 (XX-08), the following CITEL preliminary program of courses for 2009 was adopted. Initially, 15 scholarships would be offered for distance education courses and four scholarships for the cost of economy class round trip airfare from the country of origin to the study site for the attendance-based courses, on dates to be confirmed in January 2009.

<b>Organization</b>	<b>Course</b>	<b>Type</b>
National Telecommunication Administration of Uruguay (ANTEL)	Fixed-Mobile Convergence through IMS	Distance education
National Telecommunication Administration of Uruguay (ANTEL)	Introduction to the Current Technological New Technology Framework	Distance education
Colombian Association of Engineers (ACIEM)	Technological Aspects of Digital Television	Distance education
Colombian Association of Engineers (ACIEM)	Number Portability as a Factor in Increasing Competition in Telecommunication Markets	Distance education
Colombian Association of Engineers (ACIEM)	Economic Analysis for Regulation in a Convergence Environment	Distance education <sup>3</sup>
High Technology Training Center (CCAT)	Local and Corporate Network Technologies	Distance education
Technological Innovation Center, Faculty of Engineering, National	IP Telephony	Attendance-based

Organization	Course	Type
University of Asunción (CITEC-FIUNA)		
Technological Innovation Center, Faculty of Engineering, National University of Asunción (CITEC-FIUNA)	IP Network Design	Attendance-based
Technological Innovation Center, Faculty of Engineering, National University of Asunción (CITEC-FIUNA)	Security on Telecommunication Networks	Attendance-based <sup>3</sup>
Technological Innovation Center, Faculty of Engineering, National University of Asunción (CITEC-FIUNA)	Internet Network Engineering	Attendance-based <sup>3</sup>
Federal Telecommunication Commission of Mexico (COFETEL)	Harmful Interference of Satellite Systems	Attendance-based
Telecommunications Commission of Central America (COMTELCA) - Honduras	Digital Cities	Distance education
National Institute for Telecommunication Research and Training of Peru (INICTEL-UNI)	Satellite Networks -VSAT	Distance education
National Institute for Telecommunication Research and Training of Peru (INICTEL-UNI)	Broadband Networks and Technologies	Distance education
Buenos Aires Institute of Technology (ITBA)	3G-4G Technology	Distance education
Technological Institute of the Americas (ITLA)	Academic Certification in Call & Contact Centers	Distance education
Engineering and Technology Faculty, Catholic University of Uruguay	ABC Costing System Used in Calculating Termination Prices	Distance education
Engineering and Technology Faculty, Catholic University of Uruguay	Design and Implementation of Multiservice Fiber-to-the-Home (FTTH) Access Networks	Distance education
International Telecommunication Union (ITU)	Negotiating in the Field of Telecommunications	Distance education - self-paced
International Telecommunication Union (ITU)	Digital Signature	Distance education - self-paced
International Telecommunication Union (ITU)	Internet Services and Protocols	Distance education - self-paced
International Telecommunication Union (ITU)	Connected Communities: Best Practices in Bringing Connectivity to Remote Locations	Distance education
United States Telecommunications	Policies and Regulation of Information	Attendance-based

Organization	Course	Type
Training Institute (USTTI)	and Communication Technologies	
United States Telecommunications Training Institute (USTTI)	Disaster Communications Management	Attendance-based
United States Telecommunications Training Institute (USTTI)	Radiocommunication Frequency Spectrum Management	Attendance-based <sup>1</sup>
United States Telecommunications Training Institute (USTTI)	Spectrum Management in the Civil Sector	Attendance-based <sup>3</sup>

## 10. BUDGET OF CITEL

### 10.1 Budget and Execution for 2008

	Allocation (in US\$1000s)	Expenses to 12/31/2008
Travel	13.5	15.5
Document preparation	1.5	1.1
Office equipment and supplies	3.5	8.2
Building and maintenance	0.0	0.0
Translators, interpreters, support staff	22.0	21.5
Other items	16.2	10.2
Subtotal	56.7	56.5
Executive Secretariat Staff	487.4	441.2
<b>TOTAL</b>	<b>544.1</b>	<b>497.7</b>

### 10.2 Budget for 2009

The projected allocation to CITEL from the OAS Regular Fund is US\$563,600 for 2009.

	Allocation for 2008 (in US\$1000s)	Allocation for 2009 (in US\$1000s)	Percentage variation from 2008 to 2009
Staff Costs	487.4	506.1	
Activities Costs	56.7	57.5	
<b>TOTAL</b>	<b>544.1</b>	<b>563.6</b>	<b>1.04%</b>

### 10.3 Scholarships

In 2008, CITEL received a budgetary allocation of US\$46,700 for scholarships. A total of 196 scholarships were awarded by CITEL and utilized. Details are given in Section 9. Funds were used as indicated in that section. The budget for scholarships awarded for courses selected in the OAS Professional Development Scholarship competition is not included.

<sup>1</sup> Regarding the number of scholarships and budget, see the paragraph "TAKING INTO ACCOUNT,"

When the selection was made, the Center was paid the amount of the scholarships awarded, for which the entire allocated budget was used. In 2008, US\$932.97 of the seed fund for CITEL scholarships was used.

#### 10.4 External funds

Any incorporated agency, organization, or institution related to the telecommunication industry may, with the approval of the corresponding Member State of CITEL, become an Associate Member of a Permanent Consultative Committee. Applications from entities wishing to become Associate Members of a PCC are forwarded by the Member State along with a notification of the contributory unit selected. Since January 1, 2004, the value of the contributory unit has been US\$2,500. At its XX Meeting, COM/CITEL adopted resolution COM/CITEL RES. 220 (XX-08), which sets the value of the contributory unit at US\$3,000 for each Permanent Consultative Committee, effective as of January 1, 2010, subject to ratification by the Assembly of CITEL at its Fifth Meeting.

As of December 31, 2008, CITEL had received a total US\$313,125 from Associate Members, distributed as follows:

	<b>PCC.I</b>	<b>PCC.II</b>
<b>2008</b>	115,364	191,034
<b>2006 – 2007</b>	3,747	2,980
<b>TOTAL:</b>	119,111	194,014

For 2008, a total of US\$2,905 in contributions remains unpaid.

	<b>PCC.I</b>	<b>PCC.II</b>
<b>2008</b>	1,973	932

CITEL has 123 Associate Members. Arrears in payment of contributions are as follows:

	<b>PCC.I</b>	<b>PCC.II</b>	<b>TOTAL</b>
<b>2006-2007</b>	3,747	2,980	6,727

The following table shows how external funds (in US\$) were used by each PCC as of December 31, 2008:

<b>COMMITTEE</b>	<b>INCOME</b>	<b>EXPENDITURES</b>	<b>BALANCE</b>
<b>PCC.I</b>			
Carryover as of 1/1/08	11,477		
Income as of 12/31/08	<u>115,364</u>		
Subtotal	126,841	123,611	3,230

PCC.II			
Carryover as of 1/1/08	2,375		
Income as of 12/31/08	<u>191,034</u>		
Subtotal	193,409	<u>181,746</u>	<u>11,663</u>
<b>TOTAL</b>	<b>320,250</b>	<b>305,357</b>	<b>14,893</b>

#### 11. SCHEDULE OF MEETINGS OF CITEL FOR 2009

Meeting	Date	Place
<b>WORKSHOP ON ROAMING</b>	4 May 2009	Cuzco, Peru
<b>XIV Meeting of PCC.I</b>	5-8 May 2009	Cuzco, Peru
<b>20/20 SPECTRUM SEMINAR</b>	1 June 2009	Ottawa, Canada
<b>XIII Meeting of PCC.II</b>	2-5 June 2009	Ottawa, Canada
<b>XIII Meeting of the Steering Committee (STE)</b>	July 2009	Via videoconference or Internet onference
<b>XVI Meeting of the Working Group for the Preparation of CITEL for Regional and World Radiocommunication Conferences</b>	11 August 2009	San José, Costa Rica
<b>SEMINAR ON REGIONAL INFRASTRUCTURE AND INTERCONNECTION</b>	28 September 2009	TBD
<b>XV Meeting of PCC.I</b>	29 September to 2 October 2009	TBD
<b>XXIII Meeting of the Working Group to Prepare for the Meetings of the ITU Council</b>	20-30 October 2009	Geneva, Switzerland
<b>WORKSHOP ON THE MANAGEMENT AND APPLICATION OF APPENDIX 30B OF THE ITU RADIOCOMMUNICATION REGULATIONS</b>	9 November 2009	Washington, D.C., USA
<b>XIV Meeting of PCC.II</b>	10-13 November 2009	Washington, D.C., USA
<b>XXI Meeting of COM/CITEL</b>	1-4 December 2009	San José, Costa Rica
<b>XXIV Meeting of the Working Group to Prepare for the Meetings of the ITU Council</b>	1-4 December 2009	San José, Costa Rica
<b>XVII Meeting of the Working Group for the Preparation of CITEL for Regional and World Radiocommunication Conferences</b>	1-4 December 2009	San José, Costa Rica

## **12. RESOLUTIONS TO BE SENT TO THE OAS GENERAL ASSEMBLY**

The following is a draft resolution that CITEL wishes to present to the General Assembly at its regular session to be held in 2009.

### **AG/RES. YYYY (XXXIX-O/09)**

#### **TELECOMMUNICATION DEVELOPMENT IN THE REGION TO REDUCE THE DIGITAL DIVIDE**

The GENERAL ASSEMBLY,

**HAVING SEEING** document AG/doc. XXXX (XXXIX-O/09), “annual report of the Inter-American Telecommunication Commission (CITEL)”;

**CONSIDERING** that CITEL should remain an intergovernmental steering organization where Member States and Associate Members work together to promote the growth and sustainable development of telecommunication and information networks and to facilitate universal access so that everyone everywhere can participate in the Global Information Economy and Global Information Society and take advantage of their benefits;

#### **RECALLING:**

The commitments undertaken by the Heads of State and Government at the Summits of the Americas with regard to strengthening strategies to support the development and continuous updating of a regional telecommunication infrastructure plan and the effort to bridge the digital divide through ongoing implementation of the Agenda for Connectivity in the Americas and the Action Plan of Quito;

That the Declaration of Santo Domingo: “Good Governance and Development in the Knowledge-Based Society” requests that “the organs, agencies, and entities of the Organization of American States (OAS) continue to support the incorporation of information and communication technologies (ICTs) into national development plans;”

**BEARING IN MIND** that CITEL will hold the Fifth Regular Meeting of its Assembly in February 2010; and

#### **RECOGNIZING:**

That CITEL carried out the following activities during 2008:

- a. Different recommendations were adopted on standards coordination to ensure the interoperability and timely introduction of advanced technologies; harmonization of radio spectrum and the operation of radiocommunication services, including broadcasting; the development and implementation of cutting-edge technologies, and



- economic aspects to promote the development of telecommunication services and networks;
- b. Different professional telecommunication refresher courses were offered with materials prepared by accredited training centers of the region, in coordination with the Center of Excellence for the Americas Region of the International Telecommunication Union (ITU);
  - c. Coordination and harmonization of regional perspectives prior to world telecommunication forums through the development of common positions and inter-American proposals; and
  - d. Different several seminars and workshops were organized on matters of priority to the countries,

**RESOLVES:**

1. To reiterate and strengthen the priority mandate of CITELE to address the ongoing evolution of information and communication technologies (ICTs) and to reduce the divide separating developed and developing countries in the area of telecommunications.

2. [To instruct the Committee on Administrative and Budgetary Affairs of the Permanent Council to allocate the resources necessary to hold the Fifth Regular Meeting of the Assembly of CITELE.] Note: This paragraph will be included only if there is no specific line item for this meeting in the budget for fiscal year 2010.

3. To request the Secretary General to use his good offices with the member state governments to ensure participation by the highest-level governmental telecommunication authorities in the Fifth Regular Meeting of the Assembly of CITELE.

4. To instruct the OAS General Secretariat to support, through CITELE, member state efforts to:

- a. Support programs for the implementation of telecenters, the provision of applications useful to activities carried out in the area, and guidance and education to citizens in the use of these applications.
- b. Implement to the extent possible the guidelines and requirements established by CITELE related to the use and sharing of the radio spectrum, with the aim of achieving harmonization of spectrum use.
- c. Update national policies and legislation and promote the exchange of experiences, bearing in mind that the network and service convergence process is creating a new landscape, for which appropriate legislative conditions must be developed.
- d. Step up efforts to have in place preparedness plans to effectively address emergencies caused by natural disasters, to which all countries of the region are vulnerable.
- e. Promote the dissemination and application of the recommendations of CITELE, among other players, so that they can contribute to the implementation thereof;
- f. Step up the preparations for and follow-up to high-level international telecommunication meetings, especially the preparation of inter-American proposals (IAPs) therefore;

- g. Promote the use of information and communication technologies and, especially, the availability of broadband infrastructure; and
- h. Intensify cooperation between developed and developing countries, and among developing countries, with a view to facilitating access to telecommunication infrastructure, especially in rural areas.

## **ANNEXES**

- A. Associate Members.**
- B. List of meetings held in 2008.**  
**Quantifiable results of CITELE for 2008.**
- C. Titles of Resolutions, Recommendations, and Decisions adopted in 2008.**



ANNEX A

ASSOCIATE MEMBERS

PCC.I / TELECOMMUNICATIONS

(As of December 31, 2008)

No.	Country	Name of the Company	No. Units
1	Argentina	ALCATEL LUCENT ARGENTINA	1.0
2	Argentina	COMPAÑIA ERICSSON S.A.C.I.	1.0
3	Argentina	GOOGLE ARGENTINA SRL	1.0
4	Argentina	TELEFONICA ARGENTINA S.A.	1.0
5	Brazil	BRASIL TELECOM S.A.	1.0
6	Brazil	BT COMMUNICATIONS DO BRASIL LIMITADA	1.0
7	Brazil	EMPRESA BRASILEIRA DE TELECOMUNICAÇÕES (EMBRATEL)	1.0
8	Brazil	ERICSSON TELECOMUNICACOES S.A.	1.0
9	Brazil	ITALTEL DO BRASIL LTDA.	1.0
10	Brazil	NEXTEL TELECOMUNICAÇÕES LTDA.	1.0
11	Brazil	NEXTWAVE AMERICA LATINA COMERCIO E SERVIÇOS DE INFORMÁTICA LTDA.	1.0
12	Brazil	QUALCOMM SERVIÇOS DE TELECOMUNICAÇÕES LTDA.	1.0
13	Canada	ROGERS COMMUNICATIONS INC.	1.0
14	Chile	CISCO SYSTEMS CHILE	1.0
15	Chile	ENTEL PCS TELECOMUNICACIONES S.A.	1.0
16	Colombia	ASOCIACION DE LA INDUSTRIA CELULAR DE COLOMBIA (ASOCEL)	1.0
17	Colombia	COLOMBIA TELECOMUNICACIONES S.A. ESP	1.0
18	Colombia	EMPRESA DE TELECOMUNICACIONES DE BOGOTA S.A. E.S.P.	1.0
19	Colombia	ERICSSON DE COLOMBIA S.A.	1.0
20	Ecuador	CORPORACION NACIONAL DE TELECOMUNICACIONES CNT S.A.	1.0
21	Guatemala	TELECOMUNICACIONES DE GUATEMALA (TELGUA)	1.0
22	Mexico	CAMARA NACIONAL DE LA INDUSTRIA DE TV POR CABLE (CANITEC)	1.0
23	Mexico	ERICSSON TELECOM S.A. DE C.V.	1.5
24	Mexico	QUALCOMM WIRELESS SERVICES MEXICO S.A. DE C.V.	1.0
25	Mexico	SATELITES MEXICANOS, S.A. DE C.V. (SATMEX)	1.0
26	Mexico	TELCORDIA TECHNOLOGIES MEXICO	1.0
27	Nicaragua	EMPRESA NICARAGUENSE DE TELECOMUNICACIONES (ENITEL)	1.0

28	Paraguay	COMPANÍA PARAGUAYA DE COMUNICACIONES S.A. (COPACO S.A.)	1.0
29	Peru	TELEFONICA DEL PERU S.A.A.	1.0
30	Dominican Republic	COMPANÍA DOMINICANA DE TELEFONOS CxA (CODETEL)	1.0
31	Uruguay	REGISTRO DE DIRECCIONES DE INTERNET PARA AMERICA LATINA Y EL CARIBE (LACNIC)	1.0
32	U.S.A.	ALCATEL LUCENT	1.0
33	U.S.A.	AMERICAN REGISTRY FOR INTERNET NUMBERS (ARIN)	1.0
34	U.S.A.	APPLE INC.	1.0
35	U.S.A.	ATIS	1.0
36	U.S.A.	CISCO SYSTEMS INC.	1.0
37	U.S.A.	GSM LATIN AMERICA ASSOCIATION	1.0
38	U.S.A.	NOKIA, INC.	1.0
39	U.S.A.	NEUSTAR, INC.	1.0
40	U.S.A.	QUALCOMM, INC.	1.0
41	U.S.A.	RESEARCH IN MOTION INTERNATIONAL (RIM INTERNATIONAL)	1.0
42	U.S.A.	SOMA NETWORKS, INC.	1.0
43	U.S.A.	TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA)	1.0
44	U.S.A.	TELARIX, INC.	1.0
45	U.S.A.	VERIZON COMMUNICTIONS	1.0
46	Venezuela	COMPANÍA ANONIMA NACIONAL TELEFONOS DE VENEZUELA (CANTV)	1.0
47	Venezuela	TELCEL C.A.	1.0
		<b>Total Units:</b>	<b>47.5</b>

**PCC.II / RADIOCOMMUNICATIONS INCLUDING BROADCASTING  
(As of December 31, 2008)**

No.	Country	Name of the Company	No. Units
1	Argentina	COMPAÑIA ERICSSON S.A.C.I.	1.0
2	Argentina	DIGITAL VIDEO BROADCASTING (DVD-ARGENTINA)	1.0
3	Argentina	EMPRESA ARGENTINA DE SOLUCIONES SATELITALES S.A.(AR-SAT S.A.)	1.0
4	Argentina	NOKIA ARGENTINA	1.0
5	Argentina	TELEFONICA ARGENTINA S.A.	1.0
6	Brazil	BRASIL TELECOM S.A.	1.0
7	Brazil	BT COMMUNICATIONS DO BRASIL LIMITADA	1.0
8	Brazil	EMPRESA BRASILEIRA DE TELECOMUNICAÇÕES (EMBRATEL)	1.0
9	Brazil	ERICSSON TELECOMUNICAÇÕES S.A.	1.0
10	Brazil	HISPAMAR SATELITES S.A.	1.0
11	Brazil	INTEL SEMICONDUCTORES DO BRASIL	1.0
12	Brazil	ITALTEL DO BRASIL LTDA.	1.0
13	Brazil	MOTOROLA DO BRASIL	1.0
14	Brazil	NEXTEL TELECOMUNICAÇÕES LTDA.	1.0
15	Brazil	NOKIA SIEMENS NETWORKS	1.0
16	Brazil	QUALCOMM SERVIÇOS DE TELECOMUNICAÇÕES LTDA.	1.0
17	Brazil	STAR ONE	1.0
18	Brazil	TELESAT BRASIL CAPACIDADE DE SATELITES LTDA.	1.0
19	Canada	BOEING CANADA TECHNOLOGIES	1.0
20	Canada	NORTEL NETWORKS	1.0
21	Canada	ROGERS COMMUNICATIONS INC.	1.0
22	Canada	SPECTROCAN CANADA	1.0
23	Canada	TELESAT CANADA	1.0
24	Chile	ENTEL PCS TELECOMUNICACIONES S.A.	1.0
25	Colombia	ASOCIACION DE LA INDUSTRIA DELULAR DE COLOMBIA (ASOCEL)	1.0
26	Colombia	COLOMBIA TELECOMUNICACIONES S.A. ESP	1.0
27	Colombia	EMPRESA DE TELECOMUNICACIONES DE BOGOTA S.A. E.S.P.	1.0
28	Colombia	ERICSSON DE COLOMBIA S.A.	1.0
29	Colombia	INTEL TECNOLOGIA DE COLOMBIA S.A.	1.0
30	Colombia	TES AMERICA ANDINA LTDA.	1.0
31	Guatemala	TELECOMUNICACIONES DE GUATEMALA (TELGUA)	1.0
32	Mexico	ALCATEL LUCENT MEXICO.	2.0
33	Mexico	CAMARA NACIONAL DE LA INDUSTRIA DE TV POR	1.0

		CABLE (CANITEC)	
34	Mexico	COMUNICACIONES NEXTEL DE MEXICO, S.A. DE C.V.	1.0
35	Mexico	ERICSSON TELECOM S.A. DE C.V.	1.5
36	Mexico	MOTOROLA DE MEXICO S.A. DE C.V.	1.0
37	Mexico	QUALCOMM WIRELESS SERVICES MEXICO S.A. DE C.V.	1.0
38	Mexico	SATELITES MEXICANOS S.A. DE C.V. (SATMEX)	1.0
39	Paraguay	COMPANIA PARAGUAYA DE COMUNICACIONES S.A. (COPACO S.A.)	1.0
40	Peru	TELEFONICA DEL PERU S.A.A.	1.0
41	Dominican Republic	ORANGE DOMINICANA	1.0
42	U.S.A.	3G AMERICAS	1.0
43	U.S.A.	ALCATEL LUCENT	1.0
44	U.S.A.	ARRAYCOMM, INC.	1.0
45	U.S.A.	ATSC FORUM, INC.	1.0
46	U.S.A.	CBS BROADCASTING, INC.	1.0
47	U.S.A.	CDMA DEVELOPMENT GROUP, INC.	1.0
48	U.S.A.	CISCO SYSTEMS INC.	1.0
49	U.S.A.	GSM LATIN AMERICA ASSOCIATION	1.0
50	U.S.A.	HUGHES NETWORK SYSTEMS, INC.	1.0
51	U.S.A.	iBIQUITY DIGITAL CORPORATION	1.0
52	U.S.A.	ICO GLOBAL COMMUNICATIONS	1.0
53	U.S.A.	INMARSAT	1.0
54	U.S.A.	INTEL CORPORATION	1.0
55	U.S.A.	INTELSAT CORPORATION	1.0
56	U.S.A.	IRIDIUM SATELLITE LLC	1.0
57	U.S.A.	ITT INDUSTRIES	1.0
58	U.S.A.	LOCKHEED-MARTIN CORP.	1.0
59	U.S.A.	MOTOROLA INC.	1.0
60	U.S.A.	NEW SKIES NETWORKS, INC.	1.0
61	U.S.A.	NOKIA, INC.	1.0
62	U.S.A.	NORTEL NETWORKS CORPORATION	1.0
63	U.S.A.	PANASONIC AVIONICS CORPORATION	1.0
64	U.S.A.	QUALCOMM. INC.	1.0
65	U.S.A.	RESEARCH IN MOTION INTERNATIONAL (RIM INTERNATIONAL)	1.0
66	U.S.A.	SES AMERICOM	1.0
67	U.S.A.	SKY TERRA L.P.	1.0
68	U.S.A.	SOMA NETWORKS, INC.	1.0
69	U.S.A.	TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA)	1.0
70	U.S.A.	TELESAT	1.0
71	U.S.A.	THE BOEING COMPANY	1.0

72	U.S.A.	TT&C	1.0
73	U.S.A.	VERIZON COMMUNICATIONS	1.0
74	U.S.A.	WiMAX FORUM	1.0
75	Venezuela	COMPANIA ANONIMA NACIONAL DE TELEFONOS (CANTV)	1.0
76	Venezuela	TELCEL C.A.	1.0
		<b>Total Units:</b>	<b>77.5</b>



**ANNEX B**

**LIST OF MEETINGS HELD IN 2008**

<b>Meeting</b>	<b>Date</b>	<b>Place</b>
<b>Joint CITEI/ IIRSA (Initiative for the Integration of Regional Infrastructure in South America) Workshop on International Roaming</b>	11 March 2008	Washington, D.C., United States of America
<b>XII Meeting of PCC.I</b>	12-14 March 2008	Washington, D.C., United States of America
<b>Joint International Telecommunication Union/CITEL event to promote the association between Member States and the private sector for the purpose of better telecommunication development in the Americas region</b>	21 April 2008	OAS headquarters (Washington, D.C., United States of America)
<b>XI Meeting of PCC.II</b>	22-25 April 2008	OAS headquarters (Washington, D.C., United States of America)
<b>Meeting of the Rapporteur Group for the Preparation of the World Telecommunication Standardization Assembly (WTSA)</b>	23 May 2008	Brasilia, Brazil
<b>XIII Meeting of the Steering Committee (STE) (first session)</b>	16 July 2008	Videoconference among the corresponding sites
<b>XIII Meeting of PCC.I</b>	5-8 August 2008	Puerto Iguazu, Misiones, Argentina
<b>Third Workshop on fraud in telecommunications services: technological and administrative tools in the fight against fraud</b>	6 August 2008	Puerto Iguazu, Misiones, Argentina
<b>Seminar to Share Regional Experiences and/or Regional Models of the Implementation of Number Portability in the Americas</b>	7 August 2008	Puerto Iguazu, Misiones, Argentina
<b>XIII Meeting of the Steering Committee (STE) (second session)</b>	26 August 2008	Videoconference among the corresponding sites
<b>Seminar on Activities Related to the Fixed-Satellite Service in the Countries of the Americas</b>	15 September 2008	Mar del Plata, Argentina
<b>XII Meeting of PCC.II</b>	16-19 September 2008	Mar del Plata, Argentina
<b>Meeting of the Rapporteur Group for the Preparation of the World Telecommunication</b>	20-30 October 2008	Johannesburg, South Africa

<b>Meeting</b>	<b>Date</b>	<b>Place</b>
<b>Standardization Assembly (WTSA)</b>		
<b>XXII Meeting of the Working Group on the Preparation of ITU Council Meetings</b>	13 November 2008 and during ITU Council meetings (12-21 November 2008)	Geneva, Switzerland
<b>Technology forum of CITEC in coordination with AHCIEC and ITU on New Technologies and their Impact on the Information Society</b>	2 December 2008	San José, Costa Rica
<b>XX Meeting of COM/CITEC</b>	3 – 5 December 2008	San José, Costa Rica
<b>XV Meeting of the Conference Preparatory Working Group to Address Regional Preparations for World Conferences and Meetings</b>	3 – 5 December 2008	San José, Costa Rica

**QUANTIFIABLE RESULTS OF CITEL FOR 2008**

<b>ITEM</b>	<b>RESULTS</b>
Number of meetings organized by CITEL	17
Number of participants in meetings	694
Number of documents processed in meetings of CITEL in 2007	1,855
Number of resolutions adopted by the Committees	33
Number of recommendations adopted by the Committees	4
Number of decisions adopted by the Committees	42
Number of seminars and workshops conducted by the Committees	5
Number of telecommunication distance education courses in CITEL's program in 2008	17
Number of attendance-based telecommunication courses in CITEL's program in 2008	7
Number of scholarships awarded by CITEL in 2008	196
Number of Associate Members as of December 31, 2008	123
Number of Regional Training Centers in 2008	19
Number of cooperation agreements signed as of December 31, 2008	18
Number of meetings scheduled for 2009	14
Number of distance education courses scheduled for 2009	18
Number of attendance-based courses scheduled for 2009	8

**ANNEX C**

**TITLES OF RESOLUTIONS, RECOMMENDATIONS, AND DECISIONS  
ADOPTED IN 2008**

(Date: From January 1 to December 31, 2008)

**C.1 PERMANENT EXECUTIVE COMMITTEE OF CITEL**

**RESOLUTIONS**

COM/CITEL RES. 217 (XX-08)	APPROVAL OF THE CITEL COURSE PROGRAM FOR 2009
COM/CITEL RES. 218 (XX-08)	ACTIVITIES ON CONNECTIVITY
COM/CITEL RES. 219 (XX-08)	PREPARATION FOR THE FIFTH REGULAR MEETING OF THE CITEL ASSEMBLY
COM/CITEL RES.220 (XX-08)	CONTRIBUTIONS OF ASSOCIATE MEMBERS TO CITEL
COM/CITEL RES. 221 (XX-08)	APPROVAL OF THE OPERATIONS PLAN FOR 2009
COM/CITEL RES. 222 (XX-08)	FINANCING FOR THE ACTIVITIES OF CITEL BY THE OAS REGULAR FUND
COM/CITEL RES. 223 (XX-08)	DRAFT AGENDA, SITE, AND DATE OF THE XXI MEETING OF COM/CITEL

**RECOMENDACIONES**

No recommendations were adopted in this period.

**DECISIONS**

COM/ CITEL DEC. 65 (XX-08)
COM/ CITEL DEC. 66 (XX-08)
COM/ CITEL DEC. 67 (XX-08)
COM/ CITEL DEC. 68 (XX-08)

**C.2 PERMANENT CONSULTATIVE COMMITTEE I**

**RESOLUTIONS**

PCC.I/RES. 130 (XII-08)	INTERNATIONAL EMERGENCY PREFERENCE SCHEME (IEPS) FOR DISASTER RELIEF OPERATIONS
PCC.I/RES. 131 (XII-08)	EMERGENCY TELECOMMUNICATIONS SERVICE (ETS) AND INTERCONNECTION FRAMEWORK FOR NATIONAL IMPLEMENTATIONS OF ETS
PCC.I/RES. 132 (XII-08)	REVIEW OF EXISTING INTERNATIONAL TELECOMMUNI-

PCC.I/RES. 133 (XII-08)	CATION REGULATIONS CYBERSERURITY/CRITICAL INFORMATION INFRASTRUCTURE PROTECTION (CIIP) WORKSHOP
PCC.I/RES. 134 (XII-08)	QUESTIONNAIRE ON CONVERGENT NETWORKS AND CONVERGENT SERVICES
PCC.I/RES. 135 (XII-08)	ISSUES ARISING FROM CONVERGENCE OF TELECOMMUNICATIONS, BROADCASTING AND INTERNET
PCC.I/RES. 136 (XII-08)	SEMINAR TO SHARE REGIONAL EXPERIENCES AND/OR MODELS OF THE IMPLEMENTATION OF NUMBER PORTABILITY IN THE AMERICAS
PCC.I/RES. 137 (XII-08)	AGENDA, VENUE AND DATE FOR THE XIII MEETING OF PCC.I
PCC.I/RES. 138 (XIII-08)	CREATION OF A TECHNICAL NOTEBOOK ON NEXT GENERATION NETWORKS INFRASTRUCTURE
PCC.I/RES. 139 (XIII-08)	BEST PRACTICES FOR THE DEVELOPMENT OF ICTs AMONG INDIGENOUS PEOPLES OF THE AMERICAS REGION
PCC.I/RES. 140 (XIII-08)	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
PCC.I/RES. 141 (XIII-08)	CIRCULATION OF DRAFT INTER-AMERICAN PROPOSALS AND INTER-AMERICAN PROPOSALS FOR WTSA-08
PCC.I/RES. 142 (XIII-08)	SEMINAR ON REGIONAL INFRASTRUCTURE AND INTERCONNECTION
PCC.I/RES. 143 (XIII-08)	AGENDA, VENUE AND DATE FOR THE XIV MEETING OF PCC.I
PCC.I/RES. 144 (XIII-08)	PCC.II WORK PLAN FOR 2008-2010

## **RECOMMENDATIONS**

PCC.I/REC. 2 (XII-08)	IMPLEMENTATION OF IPV6
PCC.I/REC. 3 (XIII-08)	APPLICATION AND USE OF REGULATORY ACCOUNTABILITY

## **DECISIONS**

PCC.I/DEC. 66 (XII-08)
PCC.I/DEC. 67 (XII-08)
PCC.I/DEC. 68 (XII-08)
PCC.I/DEC. 69 (XII-08)
PCC.I/DEC. 70 (XII-08)
PCC.I/DEC. 71 (XII-08)
PCC.I/DEC. 72 (XII-08)
PCC.I/DEC. 73 (XII-08)
PCC.I/DEC. 74 (XII-08)
PCC.I/DEC. 75 (XII-08)
PCC.I/DEC. 76 (XII-08)
PCC.I/DEC. 77 (XII-08)
PCC.I/DEC. 78 (XII-08)
PCC.I/DEC. 79 (XII-08)

PCC.I/DEC. 80 (XII-08)  
PCC.I/DEC. 81 (XIII-08)  
PCC.I/DEC. 82 (XIII-08)  
PCC.I/DEC. 83 (XIII-08)  
PCC.I/DEC. 84 (XIII-08)

### **C.3 PERMANENT CONSULTATIVE COMMITTEE II**

#### **RESOLUTIONS**

PCC.II/RES. 46 (XI-08) SEMINAR ON ACTIVITIES RELATED TO THE FIXED-SATELLITE SERVICE IN THE COUNTRIES OF THE AMERICAS  
PCC.II/RES. 47 (XI-08) DESIGN AND IMPLEMENTATION OF TRAINING PROGRAMS FOR THE MANAGEMENT AND APPLICATION OF APPENDIX 30B OF THE ITU RADIO REGULATIONS BY THE MEMBER COUNTRIES OF CITEL  
PCC.II/RES. 48 (XI-08) PCC.II WORK PLAN FOR 2008-2010  
PCC.II/RES. 49 (XI-08) STRUCTURE OF THE WORKING GROUP FOR THE PREPARATION OF CITEL FOR REGIONAL AND WORLD RADIOCOMMUNICATION CONFERENCES, IN PREPARATION FOR WRC-11  
PCC.II/RES. 50 (XI-08) AGENDA, VENUE AND DATE FOR THE XII PCC.II MEETING  
PCC.II/RES. 51 (XII-08) MECHANISMS TO RESOLVE CASES OF HARMFUL INTERFERENCE AMONG SATELLITE SYSTEMS  
PCC.II/RES. 52 (XII-08) PROPOSED TIMELINE FOR CITEL WRC-11 PREPARATION  
PCC.II/RES. 53 (XII-08) STRUCTURE OF THE WORKING GROUP FOR THE PREPARATION OF CITEL FOR REGIONAL AND WORLD RADIOCOMMUNICATION CONFERENCES, IN PREPARATION FOR WRC-11  
PCC.II/RES. 54 (XII-08) WORKSHOP ON MANAGEMENT AND APPLICATION OF APPENDIX 30B OF THE ITU RADIO REGULATIONS  
PCC.II/RES. 55 (XII-08) AGENDA, VENUE AND DATE OF THE XIII MEETING OF PCC.II  
PCC.II/RES. 56 (XII-08) PCC.II WORK PLAN FOR 2009-2010

#### **RECOMMENDATIONS**

PCC.II/REC. 23 (XI-08) REGISTRATION OF EARTH STATIONS OPERATING IN THE FIXED-SATELLITE SERVICE (SPACE-TO-EARTH) IN THE BAND 3 400-4 200 MHz  
PCC.II/REC. 24 (XII-08) GUIDELINES TO FACILITATE THE INTRODUCTION AND DEPLOYMENT IN THE AMERICAS OF INTEGRATED SYSTEMS OPERATING IN THE 1-3 GHZ RANGE

**DECISIONS**

PCC.II/DEC. 58 (XI-08)  
PCC.II/DEC. 59 (XI-08)  
PCC.II/DEC. 60 (XI-08)  
PCC.II/DEC. 61 (XI-08)  
PCC.II/DEC. 62 (XI-08)  
PCC.II/DEC. 63 (XI-08)  
PCC.II/DEC. 64 (XI-08)  
PCC.II/DEC. 65 (XII-08)  
PCC.II/DEC. 66 (XII-08)  
PCC.II/DEC. 67 (XII-08)  
PCC.II/DEC. 68 (XII-08)  
PCC.II/DEC. 69 (XII-08)  
PCC.II/DEC. 70 (XII-08)  
PCC.II/DEC. 71 (XII-08)  
PCC.II/DEC. 72 (XII-08)  
PCC.II/DEC. 73 (XII-08)  
PCC.II/DEC. 74 (XII-08)  
PCC.II/DEC. 75 (XII-08)  
PCC.II/DEC. 76 (XII-08)