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FINAL REPORT

**FIRST MEETING
OF PERMANENT CONSULTATIVE COMMITTEE I:
PUBLIC TELECOMMUNICATION SERVICES OF CITEL**



August 22-26, 1994
Ottawa, Canada

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REPORT OF THE FIRST MEETING OF PERMANENT CONSULTATIVE COMMITTEE I: PUBLIC TELECOMMUNICATION SERVICES (PCC.I) OF CITEL

I. INTRODUCTION

The First Meeting of Permanent Consultative Committee I: Public Telecommunication Services (PCC.I) of the Inter-American Telecommunication Commission, CITEL, was held in Ottawa, Canada, from August 22-26, 1994, at the Government Convention Center.

The following member countries of CITEL participated in the meeting: Argentina, the Bahamas, Barbados, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Grenada, Honduras, Mexico, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, United States of America, Uruguay and Venezuela.

1. Background

Permanent Consultative Committee I: Public Telecommunication Services was established by CITEL's First Regular Assembly at the Ministerial Level (February 21-25, 1994, Montevideo, Uruguay), which, under resolution CITEL RES.8 (I-94) "Establishment of the Steering Committee, the Permanent Consultative Committees and their Mandates" designated Honduras as the venue for that meeting.

In a letter (reference no. 370/94/MPH/OEA) dated June 23, 1994, the Government of Honduras informed the General Secretariat of the appointment of Ms. Rosa Maritza Salinas Zelaya, Undersecretary for Communications and Transport of Honduras, as Chairman of PCC.I.

2. Convocation

On July 19, 1994, Mr. Juan de la Cruz Silveira Zavala, Chairman of the Permanent Executive Committee of CITEL (COM/CITEL) and Vice Chairman of Uruguay's Telecommunications Administration, wrote asking the OAS General Secretariat to convene the First Meeting of PCC.I on August 22-31, 1994, as agreed in previous consultations with the Chairman of PCC.I, the Government of Canada, and the General Secretariat.

On July 19, 1994, the Secretary General of the OAS invited the member states, permanent observers to the OAS, and international and regional organizations interested in CITEL's activities to participate in the First Meeting of PCC.I.

3. Agenda

The following agenda was adopted for the first PCC.I meeting:

1. Opening of the meeting
2. Approval of the Agenda
3. Establishment of the Working Groups of the meeting
4. Review of the working plan of PCC.I presented to the Steering Committee in Montego Bay, Jamaica
5. Reports and proposals by the Working Groups and *ad hoc* groups in the transition period
6. Approval of PCC.I Working Program for the 1994-1998 period
7. PCC.I structure to accomplish with its mandate and working Program
8. Follow up of the results of the Seminar on Signaling System 7 (SS7)
9. Follow up of the results of the Seminar on Personal Communication systems (PCS)
10. Approval of the final report
11. Agenda, date and place of:
 - 11.1 The Second Meeting of the PCC.I
 - 11.2 The Working Groups and *ad hoc* Groups
12. Others matters
13. Closure session

4. Participants

The list of participants is contained in Annex A, Part X, of this report.

5. Documents

The list of documents addressed by PCC.I sessions is contained in Annex B, Part X, of this report.

6. Authorities of the Meeting

Chairman of the meeting: Mr. Thomas J. Plevyak, Vice-Chairman of PCC.I
Bell Atlantic

Chairman of the drafting
group of the final report: Mr. José Miguel Paz I. de Honduras

Secretary: Mr. William Moran, OAS.

II. DEVELOPMENT OF THE MEETING

1. Minutes of the First Working Session

Date: August 22, 1994

Time: 11:30 a.m.

Chairman: Mr. Thomas J. Plevyak

Participants: CITEEL member countries: Argentina, Bahamas, Barbados, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Grenada, Honduras, Mexico, Trinidad and Tobago, Paraguay, Peru, Suriname, United States of America, Uruguay and Venezuela.

Mr. Thomas J. Plevyak opened the session welcoming all the delegates and participants and presenting the apologies for the absence of Ms. Rosa Maritza Salinas, Chairman of PCC.I.

Next, the draft agenda (Doc. PCC.I-02/94) was presented for consideration, since there was a difference between the Spanish and English version. The assembly agreed to approve the English version.

Next, three working groups were formed: the first, to draft the final report; the second, to report on seminar No. 7 on signalling; and the third, to report the seminar on personal communications systems (PCS). The groups had the following members:

Group to Draft the Final Report

Coordinator: Mr. José Miguel Paz I. (Honduras)

Participants: Mr. Alberto Zetina Vélez (Mexico)

Mr. Godfrey Williams (Canada)

Mr. Walter Gordon (United States of America)

Group to Report on Seminar No. 7 on Signalling

Coordinator: Mr. Juan Polanco (Canada)

Participants: Mr. Juan Jose Tapias (Mexico)

Mr. Rafael L. Angelone (Argentina)

Mr. Walter Gordon (United States of America)

Group to Report on the Seminar on Personal Communications

Coordinator: Mr. Victor Hugo Pérez (Mexico)

Participants: Mr. Jose Costa (Canada)

Mr. Walter Gordon (United States of America)

Mr. Ruben Kustra (Argentina)

Next, the Chairman of PCC.I gave a brief introduction to the PCC.I work plan, presented in Montego Bay in June 1994. However, review of the plan was postponed until all the participants had a copy.

The session was adjourned at 12:30 p.m.

2. Minutes of the Second Working Session

Date: August 22, 1994

Time: 2:10 p.m.

Chairman: Mr. Thomas J. Plevyak

Participants: CITELE member countries: Argentina, Bahamas, Barbados, Brazil, Canada, Chile, Colombia, Costa Rica, Ecuador, Grenada, Honduras, Mexico, Trinidad and Tobago, Paraguay, Peru, Suriname, United States of America, Uruguay and Venezuela.

The session opened with a few words from Mr. Jose Cela, Chairman of AHCIET (Hispano-American Association of Telecommunications Research and Enterprises), who reiterated that he was contributions that his organization has made and of its current activities.

Next, the meeting moved on to item 5 on the agenda. Mr. Leonel Lopez Zelaya (Mexico), coordinator of the PTC.I working group on rural telecommunications, presented his group's report (Doc. PCC.I-15/94).

The delegate from Trinidad and Tobago proposed that the name of this new working group be "universal telecommunication services" instead of "basic telecommunication services."

Next, Mr. Rodolfo de la Rosa Rabago (mexico), Coordinator of the PTC.I working group on human resources development, presented a progress report on his group's activities and proposals (Doc. PTC.I-14/94).

The delegate from Chile suggested that this working group should operate as a transitional group until the role of the CITELE ad hoc group on telecommunications development was defined.

The Canadian delegate proposed that this ad hoc group should use this report as a starting point for its work.

Next, the Chairman of PCC.I opened the discussion on the working group on network modernization, since no report was presented.

The delegate from Honduras read the list of proposed activities drawn up by Ms. Rosa Maritza Salinas, Chairman of PCC.I, which is to be considered in the work plan of the working group on network modernization.

Next, Ms. Marjorie Rieskin of Suriname presented a report from the legal working group.

Then the Chairman reported on the activities of the working group on standardization. He reminded the

coordinators of each PTC.I working group to meet with the interested delegates to review the objectives to be established for the working groups, and to present a proposal at the next working session of PCC.I. He also asked the delegate from Trinidad and Tobago to coordinate the review of the objectives of the working group on network modernization.

The session was adjourned at 5:00 p.m.

3. Minutes of the Third Working Session

Date: August 25, 1994

Time: 9:15 a.m.

Chairman: Mr. Thomas J. Plevyak

Participants: Argentina, Brazil, Canada, Costa Rica, Grenada, Honduras, Mexico, United States of America and Uruguay.

The Chairman began the session by explaining the objective of the third session of PCC.I, which was the establishment of the Working Group on Standardization Coordination.

Next, Mr. Matarozzo (Brazil) made a summary of the aims established by the standardization group.

Mr. Víctor Hugo Pérez (Mexico) said that the objectives should include coordination with PCC.III, since it is dealing with aspects related to PCC.I. The United States of America delegate referred to resolution 13, passed in Tegucigalpa, Honduras, in May 1993, which established the PTC.I working group on standardization coordination. The Meeting agreed to establish the Working Group on Standardization Coordination, leaving to the next work meeting the adoption of the resolution that established the Group.

The session was adjourned at 9:35 a.m.

4. Minutes of the Fourth Working Session.

Date: August 26, 1994

Time: 2:00 p.m.

Chairman: Mr. Thomas J. Plevyak

The participating member countries were Argentina, Brazil, Canada, Chile, Colombia, Costa Rica, Grenada, Honduras, Mexico, Panama, Peru, Paraguay, Trinidad and Tobago, United States of America, Uruguay and Venezuela.

The Chairman began by presenting the agenda for that working session, which had been adopted at the plenary session.

He then referred to the documents available for that session and thanked all the participants for their patience and cooperation.

The session continued with the introduction of the Work Plan of PCC.I for the period 1994-1998 (Doc. CCP.I-13/94. rev.1) by the Delegate of Honduras, who noted the amendments made to the Work Plan presented in Montego Bay by Ms. Rosa Maritza Salinas, Chairman of the PCC.I taking into account the recommendations made by various delegations.

The Chairman submitted the Work Plan to the plenary for consideration.

The Delegate of Chile proposed that the strategies for conducting the activities should include the participation of associate members.

The Delegate of Canada said he could not comment on the issue because an English version of the document did not exist.

The Chairman suspended discussion of the Work Plan until after the delegations had received the English version.

The Chairman then went on to agenda item 2. Mr. Rodolfo de la Rosa Rábago of Mexico presented a draft resolution on the establishment of the Working Group on Human Resource Development (Doc.PCC.I-31/94 rev.) which was adopted by the plenary as presented and became resolution PCC.I/Res.1 (I-94) "Establishment of the Working Group on Human Resource Development." The Working Group comprised:

Chairman: Mr. Rodolfo de la Rosa Rábago, of Mexico

Vice Chairman: Suriname -- the name of the person to assume this position would be forwarded to the Chairman at a later date.

Mr. Leonel López Celaya, of Mexico, presented a draft Work Plan of the Working Group on Basic and Universal Telecommunication Services, which was adopted by the plenary as published in Doc. PCC.I-30/94. He then presented a draft resolution on the establishment of the Working Group on Basic and Universal Telecommunication Services, which became resolution PCC.I/RES.2 (I-94) "Establishment of the Working Group on Basic and Universal Telecommunication Services." The Working Group consisted of:

Chairman: Mr. Leonel López Celaya, of Mexico

Vice Chairman: Mr. Germán Daza C., of Colombia

The Chairman asked the plenary's permission for Mr. Luis Manuel Brown, Chairman of the PCC.III, to introduce documents PCC.I/II/III-05/94, "Associate Members in the Work of the Permanent Consultative Committees of the Inter-American Telecommunication Commission (CITEL)," and PCC.I/II/III-06/94, Comments on Article 82: Associate Members under the Regulations of the Inter-American Telecommunication Commission (CITEL) and a proposal to amend it.

The Delegate of Chile suggested that the work plans of the PCCs and Working Groups should be attached to Doc. PCC.I/II/III-05/94 so that potential associate members could become informed about CITEL activities.

The plenary agreed to submit to COM/CITEL, along with PCC.II and PCC.III, the amendments to article 82 of the Regulations, as published in Doc. PCC.I/II/III-06/94, and to have Doc. PCC.I/II/III-05/94 be considered as a guide to encourage associate members to become involved.

The next order of business was presentation of the preliminary draft resolution for adoption of the PCC.I Work Plan. A decision was taken to adopt resolution PCC.I/Res.3 (I-94) "Work Plan of the Permanent Consultative Committee I of CITEL for the Period 1994-1998." As the English version was not available, the Work Plan would be reviewed at the Second Meeting of PCC.I.

Mr. Roderick Sanatan introduced Doc. PCC.I-35/94, "Working Group Comments on Network Modernization Telecommunications."

The Delegates of Canada and Brazil said the working groups on standardization and on modernization needed to work closely together as the matters they dealt with were similar.

The Chairman asked Mr. Sanatan to prepare the preliminary draft resolution on the establishment of the Working Group on Network Modernization, which he promised to present later at the same meeting.

Mr. Edmundo Matarazzo of Brazil then gave an oral report on the First Meeting of the Working Group on Standards Coordination. Subsequently, the following officers of the Working Group were elected:

Chairman: Mr. Edmundo A. Matarazzo, of Brazil

Vice Chairman for Administrative Affairs: Mr. Thomas J. Plevyak, United States

Vice Chairman for Technical Affairs: Mr. Juan Polanco, Canada

Mr. Matarazzo then presented the draft resolution, "Establishment of the Working Group on Standards Coordination" which the Plenary adopted, taking into consideration the draft amendments from Mexico, Argentina, and Canada. The draft resolution became resolution PCC.I/Res.4 (I-94), "Establishment of the Working Group on Standards Coordination," and a decision was taken to review it at the second meeting of PCC.I.

After that, the Chairman gave the floor to Mr. William Moran of the OAS for him to present the Report on the Informal Meeting of the Working Group on Legal Matters and the Draft Agenda for the First Meeting of the PCC.I Working Group on Legal Matters, to be held in Washington, D.C., November 7-9, 1994.

The election of the Vice Chairman of the Working Group on Legal Matters followed. The Plenary decided that this function was be entrusted to Uruguay, which designated Ms. Isabel Maassardjian.

The Chairman asked Mr. Roderick Sanatan to introduce the draft resolution on the establishment of the Working Group on Network Modernization. Mr. Sanatan said he had not been able to get any help in preparing the document

in question. The plenary decided to provisionally set up the Working Group on Network Modernization, with Mr. Sanatan of Trinidad and Tobago as its coordinator. The Chair would also ask the countries to submit nominations for positions on the Working Group.

Before allowing the coordinators of the Rapporteur Groups for the Seminars to take the floor, the Chairman thanked the organizers of the seminars on SS7 and PCS on behalf of PCC.I.

Mr. Juan Polanco introduced document PCC.I-42/94, "Report on the SS7 Seminar," and Mr. Victor Hugo Pérez introduced document PCC.I-37/94 "Report on the Personal Communication Systems (PCS) Seminar."

After that, Mr. José Miguel Paz, Chairman of the Drafting Group for the Final Report, introduced document PCC.I-44/94 "Minutes of the Working Sessions" and read out the minutes of the first, second and third working sessions, which were adopted without any change.

Mr. Miguel Paz then presented the draft resolution entitled "Agenda, Date and Place for the Second Meeting of Permanent Consultative Committee I: Public Telecommunication Services," which was adopted with some amendments and became Resolution PCC.I/Res. 5 (I-94).

The Chairman proposed that the Drafting Group for the Final Report should, in conjunction with the Secretariat, prepare the minutes of the Fourth Meeting, after its conclusion. The plenary so agreed.

The Chairman reported that the Chairman of the Drafting Group for the Final Report and the Executive Secretariat would prepare the Final Report, which would include the minutes of the meetings, working group reports, and resolutions. The Executive Secretariat would forward the Report to the participants.

The Chairman thanked all the delegates for their outstanding contribution to the success of this First Meeting of PCC.I.

The meeting adjourned at 5:54 p.m.

III. RESOLUTIONS

RESOLUTION PCC.I RES.1 (I-94)
ESTABLISHMENT OF THE WORKING GROUP ON HUMAN RESOURCES DEVELOPMENT

The First Meeting of Permanent Consultative Committee I: Public Telecommunication Services,

HAVING SEEN:

That resolution CITEL RES.8 (I-94), under item 3, states that the Chairmen of Permanent Consultative Committees must plan their mandates in a more detailed manner and must submit their proposed 1994-98 work plans for approval, where applicable, by COM/CITEL;

That a working group on human resources development was established at the CITEL conference as part of Permanent Technical Committee I;

TAKING INTO ACCOUNT:

That the work plan for 1994-98, submitted by the Chairman of PCC.I, recommends establishment of a working group on human resources development;

RESOLVES:

1. To establish a Working Group on Human Resources Development which, in conjunction with the CITEL coordinating office for regional centers, will consider the following in its work plan:
 - 1.1 Identify and promote specific training courses that address the needs and priorities of CITEL members;
 - 1.2 Identify organizations, institutes and center capable of providing suitable training;
 - 1.3 Identify and promote bursaries, supplements and other financial resources which will facilitate participation in human-resources training;
 - 1.4 Identify and disseminate information on available training programs and infrastructure, particularly in regional centers, so as to make it possible to cooperate in updating of the White Book;
2. That the Working Group consist of the following CITEL member countries, which have expressed an interest in participating as regional training centers: Brazil, Canada, Chile, Mexico, Paraguay, Suriname and the United States of America;
3. That all CITEL member countries interested in participating in the Working Group notify the Chairman of the Group;
4. Designate Mr. Rodolfo de la Rosa Rábago from Mexico as Chairman of the Group, and Suriname as Vice-Chairman;
5. That the Working Group continue the human-resources development activities initiated earlier in PTC.I;

6. To recommend that the appended work plan be considered.

APPENDIX

WORK PLAN

1. Prepare an annual report containing the following:
 - a) A summary of training offered by regional centers;
 - b) Identification of special training needs and what must be done by the regional centers in order to meet them;
 - c) Updated information on fellowships and other financial resources available for attending training courses.
2. Use the information presented in the report to assist in updating of the White Book.
3. Cooperate with CITEL training coordinators in order to implement the work plan.
4. The working group will carry out its activities mainly during meetings scheduled by PCC.I, using the available communications media.

RESOLUTION PCC.I RES.2 (I-94) ESTABLISHMENT OF THE WORKING GROUP ON BASIC AND UNIVERSAL TELECOMMUNICATIONS SERVICES

The First Meeting of Permanent Consultative Committee I: Public Telecommunication Services,

HAVING SEEN:

The terms of the third resolved clause of CITEL Resolution RES.8 (I-94) to the effect that the Chairperson of the PCCs are to propose a Work Plan for the period 1994-1998 which must be approved by COM/CITEL.

CONSIDERING:

1. The need to draw up a work plan and schedule for Permanent Consultative Committee I as soon as possible to be submitted to COM/CITEL for approval.
2. The usefulness for CITEL member countries of continuing the activities being carried out by the Working Group on Rural Telecommunications under Permanent Technical Committee I (PTC-I): Public Telecommunications Services.
3. The work plan proposed by the Chairman of permanent Consultative Committee I (PCC-I) for the period 1994-1998 as indicated in document PCC.I-13/94 rev.1.

RESOLVES:

1. To approve the establishment of the Working Group on Basic and Universal Telecommunications Services, taking into account the plan proposed by Canada, Chile, Trinidad and Tobago, and Mexico in document PCC.I-30/94, which is part of this resolution, in drafting its work schedule.

DECIDES:

1. To appoint the following delegates as Chairman and Vice-Chairmen of the Working Group on Basic and Universal Telecommunications Services:

Chairman: Mr. Leonel López Celaya, of Mexico

Vice-Chairman: Mr. Germán Daza, of Colombia

2. That the Working Group will be made up of Canada, Chile, Honduras, Mexico and Trinidad and Tobago, as well as other countries who wish to participate in the tasks assigned to the Group.

3. To request that the Working Group on Basic and Universal Telecommunications Services draft its work schedule to be submitted to the second meeting of PCC.I for approval.

4. To urge all countries in the region to join and play an active role in the various Working Groups under PCC.I.

5. To request that the Chairman of COM/CITEL submit this resolution to the CITEL member countries.

ANNEX**WORK PLAN****TERMS OF REFERENCE:**

1. Continue the program developed by the Working Group on Rural Telecommunications and apply its results, so that countries in the region can request and receive support from CITEL-TDB in planning and implementing their specific telecommunications projects.
2. Promote the introduction of public telecommunications services and expansion of their capacity and coverage, so that people in all countries in the region will have ready access to such services.
3. Improve the infrastructure capacity and facilities of CITEL countries, so that they can participate and compete in international trade through equitable access and development of their telecommunications services.
4. Promote the development and provision of highly specialized telecommunications services that meet the requirements of the productive sector and of major users in general.

5. Compile technical and economic information on existing telecommunications services, in order to create a regional reference database for consultations by CITELE countries.
6. Promote cooperation among countries in the region for better communication and sharing of experiences; encourage more experienced countries, along with regional and subregional institutions and organizations, to provide technical, managerial and planning assistance for the development of specific telecommunications projects.

MAJOR ACTIVITIES:

The following work projects are suggested in order to achieve the above aims.

1. Completion and publication of the Manual on Telecommunications for Rural and Low-Income Users.

Measures to be taken to implement this projects:

- a) Obtain information from the rest of the countries that have not answered the questionnaire (This information can be obtained by visiting each country). A specific program of visits would be established for this purpose, following consultation with the countries concerned.
- b) After the information mentioned in a) is obtained, PCC.I/CITELE will coordinate with TDB/ITU for joint revision and completion of the manual.
- c) CITELE and TDB will cooperate in publishing and distributing the manual.

2. Advice on development of telecommunications projects.

CITELE - in coordination with TDB and, where applicable, with other regional or international organizations -will advise and support member countries that request help in the development of specific projects, including the specification of credit conditions and mechanisms necessary for carrying out the project, together with the identification of channels of communications with financial agencies and international, regional and national banks for project financing.

3. Creation of a database

An easily accessible and understandable database will be created about the provision of telecommunication services, that will indicate results and experiences, and permit an understanding of the relevant factors. This database will enable conclusions and recommendations to be made, to further the provisions of basic universal telephone services.

The database will evolve into an automated system which countries will be able to access by means of a code assigned by CITELE to each country.

4. Recommendation of general telecommunication strategies and guidelines.

In consultation with CITELE member countries, recommendations will be made regarding business development policies, the privatization process, regulation of services and infrastructure's development. These recommendations will help guide decision makers. This will be a permanent activity and the recommendations will be updated through the issuing of new recommendations on the basis of experiences in countries in the region and in other countries.

5. Promotion of training and development

In coordination with the Working Group for Human Resources Development, support will be given for training courses and seminars, updating and training in areas related to this work plan and in accordance with the needs of member countries. The courses will draw on the experience of R & D centers and training centers in countries in the region, as well as on that of other national and international organizations involved in this field.

**RESOLUTION PCC.I RES.3 (I-94)
WORK PLAN OF PERMANENT CONSULTATIVE COMMITTEE I
OF CITELE, FOR THE PERIOD 1994-1998**

The First Meeting of Permanent Consultative Committee I: Public Telecommunication Services,

HAVING SEEN:

Resolution CITELE RES.8 (I-94) and the Work Plan of CITELE Permanent Consultative Committee I for the period 1994-1998 (document PCC.I-13/94 rev. 1); and

CONSIDERING:

The importance of the contents of the Work Plan as detailed in document PCC.I-13/94 rev. 1 and the need for PCC.I activities to be grouped together to facilitate their execution,

RESOLVES:

1. To approve on a temporary basis the Work Plan presented by the Chairman of PCC.I, as published in the Appendix to this resolution.
2. To establish Working Groups on:
 - 2.1. Network Modernization
 - 2.2. Basic and Universal Telecommunication Services
 - 2.3. Standards Coordination
 - 2.4. Human Resource Development

**WORK PLAN OF PCC.I
PERIOD 1994-1998**

INTRODUCTION:

The office of the Chairman of PCC.I has drawn up the Work Plan for the period 1994-1998 in compliance with the mandate given this Committee at the First Meeting of the CITELE Assembly.

The stated objectives require the active participation of all PCC.I members as well as the committed cooperation of CITELE. Their approval is therefore requested, and they are invited to join in pursuing the objectives.

The implementation of this plan requires that priorities be kept under constant review to keep up with new opportunities and changing circumstances. Accordingly, the plan will be subjected to periodic review, at which times suggestions made by the members will be incorporated into it.

PARTIAL OBJECTIVES:

Pursuant to CITELE's mandate contained in resolution CITELE/RES.8 (I-94) of the First Meeting of the CITELE Assembly, the following objectives have been defined:

1. To promote the integration of telecommunication services through regional standards and compatible technologies.
2. To promote the availability of public services in the region in sufficient number and variety to meet the demand generated by economic and social development.
3. To promote network and service modernization.
4. To promote the interest of public utility enterprises or corporations in human resource training until CITELE develops a body to promote the comprehensive development of telecommunications under CITELE coordination with the Regional Training Centers.
5. To promote the participation of public utility enterprises as "associate members" of the Committee.
6. To review and compare the legal frameworks of CITELE member countries that affect those countries' legislative, administrative, and regulatory functions.

MAIN ACTIVITIES:

The following activities are proposed in order to achieve the stated objectives:

Objective 1: To promote the integration of telecommunication services through regional standards and compatible technologies.

- a) To identify organizations that influence telecommunication standards in the region and facilitate regional and global network interconnectivity and interoperability with special emphasis on the body of standards laid down by ITU's Standardization Bureau.
- b) To promote harmonization of telecommunication standards among the member countries of the region to facilitate network interconnectivity and interoperability.
- c) To coordinate with other PCCs in areas related to standardization in order to attain the common objectives of CITELE.

Objective 2: To promote the availability of public services in the region in sufficient number and variety to meet the demand generated by economic and social development.

- a) To gather technical, economic, and administrative information based on the experience of other countries in rural telephone service.
- b) To examine all aspects of technology, technical specifications, and bandwidths to determine which would be most suitable and economical for the introduction of telephone and other telecommunication services in rural areas and among low-income groups.
- c) To analyze technological advances designed to provide new applications in telephone service, and to create data bases that the countries can use for purposes of comparison and decision-making to implement those new applications.
- d) To advise the countries of the region in the preparation of specific telecommunication projects.
- e) To prepare and recommend guidelines for most conventional telecommunication services to allow the introduction of services that are compatible regionwide.

Objective 3: To promote network and service modernization

- a) To identify and evaluate current telecommunication infrastructure in the region, as well as available resources and applied technologies.
- b) To further integration of the region through the efficient use of regional satellite systems, land-based systems, and underwater fiber optic networks.
- c) To advise and support the countries of the region in the modernization and optimization of telecommunication network, considering current and future technologies.
- d) To support the countries of the region in carrying out feasibility studies, enabling them to identify resources to find their telecommunication projects.
- e) To further the execution of a study for the installation of the inter-American fiber optic network to facilitate integration in the region.
- f) To review the countries' experiences in providing new services and value-added services, with the cooperation of the ITU and other regional and subregional telecommunication agencies.
- g) To analyze demand and meet that demand, identifying services performed through public and private enterprises. Market analysis.
- h) To encourage the holding of seminars on topics within the scope of and of interest to the countries, with financial assistance from the OAS, ITU, UNDP, private enterprises, and governments.

Objective 4: To promote the interest of public utility enterprises in human resource training until CITEL develops a body to promote the comprehensive development of telecommunications under CITEL coordination with the Regional Training Centers.

- a) To identify and promote specific training courses in order to meet the needs and priorities of CITEL members.
- b) To identify organizations, institutes, and training centers capable of providing the appropriate training.
- c) To identify and promote fellowships, matching grants, and other financial resources to facilitate participation in training.
- d) To identify and disseminate information on available training programs and facilities, particularly in the regional centers, to help update the White Book.

Objective 5: To promote the participation of public utility enterprises as "associate members" of the Committee.

This should be an ongoing activity by all the Committees giving a timely response to their need for consultancy services and regular information on all the opportunities for assistance provided by the Committee.

Objective 6: To review and compare the legal frameworks of CITEL member countries that affect their legislative, administrative, and regulatory functions.

- a) To compile the telecommunication regulations of each member country of CITEL.
- b) To prepare comparative tables showing the similarities and differences in the legal and regulatory systems for use by countries interested in modifying their regulatory systems.
- c) To review and update the Blue Book.
- d) To provide a forum for debates on policy issues, such as deregulation, privatization, rate-setting rules, etc.

STRATEGIES FOR CARRYING OUT THE ACTIVITIES

1. It is proposed that the following working groups be established:
 - a) Working Group on Network Modernization.
 - b) Working Group on Basic and Universal Telecommunication Services.
 - c) Working Group on Standardization.
 - d) Working Group on Human Resource Development.
2. Seminars should be organized on new technologies and other topics of interest. These seminars should be used to help identify topics and matters that could be addressed by ad hoc groups or the permanent working groups.
3. A data base should be created to improve technical support and quality of information; it should be available at all times for consultation by all CITEL members.

RESOLUTION PCC.I RES.4 (I-94)
ESTABLISHMENT OF A WORKING GROUP
ON STANDARDS COORDINATION

The First Meeting of Permanent Consultative Committee I: Public Telecommunication Services,

CONSIDERING:

That, in order to facilitate interconnectivity and interoperability of telecommunication networks in the region, standardization efforts must be a priority for CITEL;

That a Working Group on Standards Coordination was established at the CITEL Conference, under Permanent Technical Committee I;

That importance should be attached to, and progress made in, ongoing working relations between all the standardization bodies in the region, with a view to better coordinate the standardization activities; and

HAVING SEEN:

Operative paragraph 3 of resolution CITEL/RES. 8 (I-94), which establishes that the respective chairs of the Permanent Consultative Committees should develop more detailed mandates and propose work plans for 1994-1998; and

Document PCC.I-12/94 (Work Plan of PCC.I) presented by the Chairman of PCC.I, which establishes the objective of promoting integration of telecommunication services through regional standards and compatible technologies, identifying five areas of activity to be pursued,

RESOLVES:

1. To establish a Working Group to coordinate standards, under whose work plan the following would be considered:
 - 1.1 To identify organizations that influence telecommunication standards in the region and facilitate regional and global network interconnectivity and interoperability, with special emphasis on the body of standards laid down by the ITU's Standardization Bureau.
 - 1.2 To promote harmonization of telecommunications standards among the countries of the region so as to facilitate network interconnectivity and interoperability.
 - 1.3 To coordinate with other PCCs in those areas related to standardization in order to attain the common objectives of CITEL.
2. That the Working Group consists of all countries interested in participating.
3. To appoint Mr. Edmundo Matarazzo of Brazil as Chairman of the Group, Mr. Juan Polanco of Canada as Vice

Chairman, and Mr. Thomas Plevyak of the United States of America as Vice Chairman.

4. That the Working Group shall continue the activities on standards coordination that the PTC.I Group on Standardization was carrying out.

APPENDIX

GUIDELINES FOR THE WORKING GROUP ON STANDARDS COORDINATION

OBJECTIVES:

1. To identify organizations that influence telecommunications standards in the region and facilitate regional and global network interconnectivity and interoperability with special emphasis on the body of standards laid down by ITU's Standardization Bureau.
2. To promote harmonization of telecommunication standards among the member countries of the region to facilitate network interconnectivity and interoperability.
3. To coordinate with other PCCs in those areas related to standardization, in order to attain the common objectives of CITEL.

TERMS OF REFERENCE:

1. To focus, in the area of standardization, on technical questions and issues as determined by the Working Group, in accordance with PCC.I guidelines and terms of reference.
2. To focus the technical matters primarily on standardization efforts also being considered at the international level, under the ITU's Standardization Bureau.
3. To be a regional forum acting as a center linked up to all the standards institutions in the region that wish to cooperate on matters of common interest and agree on the undertaking of important work by telecommunication standardization bodies in the Americas.

RESOLUTION PCC.I RES.5 (I-94)
AGENDA, PLACE AND DATE FOR THE SECOND MEETING OF
PERMANENT CONSULTATIVE COMMITTEE I:
PUBLIC TELECOMMUNICATIONS SERVICES

The first meeting of Permanent Consultative Committee I: Public Telecommunications Services,

RESOLVES:

1. To hold the second meeting of PCC.I in Tegucigalpa, Honduras, February 20-24, 1995.
2. To approve the draft agenda for the second meeting of PCC.I, which is attached to this resolution.

ANNEX

Agenda for the Second Meeting of PCC.I
February 20-24, 1995
Tegucigalpa, Honduras

1. Approval of the agenda
2. Composition of working groups
3. Final approval of the provisional resolutions and decisions taken in the First Meeting.
4. Second meeting of the Working Group on Standardization
5. Reports and evaluation of:
 - a) PCC.I Work Plan
 - b) Working Group on Basic and Universal Telecommunications Services
 - c) Working Group on Network Modernization
 - e) Report of the Legal Working Group
6. Consideration of the second meeting of COM/CITEL
7. Agenda, place and date for the third meeting of PCC.I.

IV. REPORT OF THE WORKING GROUPS

REPORT OF THE WORKING GROUP ON HUMAN RESOURCE DEVELOPMENT

This Report covers the period from October 1, 1993, to the present and summarizes the activities and positions developed in the area of training by the relevant CITEL authorities.

1. Coordination Activities between CITEL and the Regional Training Centers

It should be noted as relevant background that the First Special Meeting of COM/CITEL, held in August 1993 in Washington, D.C., in accordance with the PTC resolutions so requesting, adopted resolution COM/CITEL RES.3 (EXTRA-93), appointing Mr. Sergio Viñals Padilla of Mexico as CITEL Coordinator with the Regional Training Centers, and Mrs. Norma Flores de Méndez of Honduras as Assistant Coordinator.

With a view to compiling available information on the various bodies currently involved in training in the member countries, taking into consideration the findings of the White Book project as an information source, the Coordinator was first instructed to prepare a document based on available background information and the opportunities afforded by the existing training centers and to distribute it.

The Coordinator prepared a draft work program, which was presented in document CITEL-14/94 at CITEL's First Assembly, held in Montevideo, Uruguay, from February 21-25, 1994, and asked the participants to help in its distribution to the various training bodies in their countries so as to obtain their views on it.

The initiative presented in the document was designed to establish the bases for the Coordinator to establish direct communication with responsible and interested parties from the various countries involved in the subject.

The proposal was approved and incorporated with other related ones in resolution CITEL RES.3 (I-94), in which the administrations are urged to facilitate contact among the training centers they are linked to, and between the training centers and CITEL's Coordinator.

This seemingly trivial part of the resolution is important from a formal point of view, since it allows the Coordinator to promote direct communication with the existing centers and those that are being set up, as well as communication among the centers themselves.

Along with these activities, with a view to initiating the aforementioned communication, CITEL's Executive Secretary was asked to obtain the names and addresses of telecommunication administration staff in the member countries, through which is possible to obtain specific information on training personnel. To obtain the necessary information, two survey forms were designed, one to be sent to the standards bodies and the other to the telecommunication service providers, via the member states' representatives to CITEL, with a request for their prompt completion and return. In this way, the data obtained and comments made may be taken into account in conducting future activities better suited to our countries and to establishing a work program of common interest.

At CITEL's First Assembly, held in Montevideo, Uruguay, from February 21-27, 1994, Mr. Pedro M. Duarte, Director of Radiocommunications and Frequency Management of the National Telecommunication Administration in

the Republic of Paraguay, reported on the existence of the Paraguayan Telecommunication Institute, whose recognition he was seeking as a regional training institute.

In response to that request, formalized in writing on April 4, 1994, the Coordinator informed Mr. Roberto Blois Montes, Executive Secretary of CITELE of the matter (communication no. CCR/003, dated April 15, 1994) and made a favorable recommendation. The Executive Secretary of CITELE decided that the Delegation of Paraguay should present its request at the PCC.I meeting, and asked the Coordinator's opinion based on the documentation that was presented. The documentation was the following:

Report on the basis of the documents the Coordinator has received from the Paraguayan Center, it is our considered view that the Center has the necessary infrastructure to be deemed a regional training center, since it is equipped with:

- Laboratories
- A technical high school
- A training component
- An electrical engineering institute
- A library and an administration
- A services unit and a garage

The Center has an extensive curriculum and offers the following courses:

- Basic engineering
- Intermediate engineering
- Professional training in switching and digital transmission
- External plant
- Analog switching
- Analog transmission
- Administration
- Television

Hence we recommend that PCC.I and CITELE grant this request.

Having considered the information provided by the Representative of the Republic of Chile to the Chairman of the Working Group on Human Resource Development concerning Chile's Training Institute, it is recommended that the Institute be considered as part of the Regional Center program, if the Delegation of Chile agrees.

2. Activities carried out by the Working Group on Human Resource Development of PCC.I

At the First Meeting of CITELE's Coordination Committee, held in Montego Bay, Jamaica, from June 28-30, 1994, Mr. Rodolfo de la Rosa R., Coordinator of the Working Group on Human Resource Development, redistributed, on behalf of the CITELE Coordinator with the Regional Centers, the work program prepared by that Coordinator, and informed the participants that no comments had been received on it. He again asked them to send in, their views,

which were necessary in order to establish and expand the proposed activities.

Similarly, on behalf of the Coordinator and in his capacity as Chairman of the Working Group on Human Resource Development of the PCC.I, he again asked for a fellowship fund to be set up to help telecommunication staff in the region to participate in training programs of interest to them, as discussed in document CTP.I/RES.11 (III/93) of the Third Meeting of PTC.I held in Tegucigalpa, Honduras.

Mr. Juan de la Cruz Silveira Zavala, Chairman of COM/CITEL, offered to set up a procedure establishing the necessary mechanisms for both the recognized Regional Centers and the member countries of CITEL to have access to information on the relevant procedures and paperwork and for support to be given to staff to attend training courses in the Regional Centers.

Furthermore, to the same end, Mr. Juan Antonio Zavattiero Cordobés, Chief of the Regional Office of ITU, added that his organization could provide training fellowships, independently of any assistance the OAS may offer. He said that the way of obtain fellowships was to provide him with the appropriate information so that, in coordination with CITEL, further support could be given.

3. Activities of the Regional Training Center (Mexican Unit)

The Mexican Communication Institute (IMC), headquarters of the CITEL-recognized Training Center, has conducted various training activities, noteworthy among which are the following:

The IMC established and initiated a diploma course in electrical metrology in telecommunications. The Electrical and Mechanical Engineering School (Escuela Superior de Ingeniería Eléctrica y Mecánica - ESIME) of the National Polytechnic Institute (IPN) was enlisted to help to develop the course.

The IMC is currently developing a project to establish a master's degree program in telecommunication sciences for professionals in the field. The program will in due course be able to accept students from the region.

Four specialized courses in communications and information technology have also been planned with academic support from ESIME to meet local needs and to train professionals in the region. To facilitate participation by nonlocal personnel, the courses have been organized in week-long segments. The courses will cover the following subjects:

- * Regulatory framework and the privatization process
- * Evaluation of quality systems oriented to the operation of testing laboratories in the telecommunications field
- * Caribbean telecommunication network for emergency services
- * Radio spectrum management

The details of these courses, to be offered during the September-December, 1994, term are given in the attached brochure.

To that end, Mr. Juan de la Cruz Silveira Zavala, Chairman of COM/CITEL, Mr. Juan Antonio Zavattiero

Cordobés, Chief of the ITU Regional Office, and Mr. Roberto Blois Montes de Souza, Executive Secretary of CITEL, have been sent correspondence in which they were informed of this program and asked to let us know if there was any possibility of receiving support to promote and finance the participation of personnel from countries in the region for training in those areas.

The heads of the Training Centers in the member states of CITEL are urged to maintain close ties with this Coordinator with regard to their activities.

LIST OF REGIONAL CENTERS THAT HAVE PRESENTED DOCUMENTS

Name of the Regional Center	Country	Date	Contact Point	Address
Paraguayan Telecommunication Institute	Paraguay	April/04/1994	Ing. Pedro M. Duarte Director de Radiocomunicaciones y Administración de Frecuencias	Isla Bogado-Luque
Regional Training and Telecommunication Technology Center (Brazil Unit)	Brazil	Dec/1992	Luiz Alberto de Oliveira Gerente del Departamento de Desenvolvimento de Recursos Humanos	Directoria de Administracao SAS Q: 06-B1. H-6to.Andar CEP 70.33 Brasilia-DF Tel.: (061) 25-2273
Regional Center for Training and Research in Human Resources in Information Science and Technology	Mexico	August/21/1992	Ing. Sergio Viñals Padilla	Av. de las Telecomunicaciones s/n Col. Leyes de Reforma Tel: +(525) 613-5803 Fax: +(525) 613-5803
United State Telecommunications Training Institute (USTTI)	United States of America		James S. Bruce Curriculum Coordinator	1550 Connecticut Avenue N.W., Washington, D.C. 20036 Tel: +202 785 7373 Fax: +202 785 1930
Telecommunication Corporation Suriname Telesur Training, Research and Development Center	Suriname		Henk Defares Manager TRD Center	Antondrag-tenweg 227 Paramaribo, Suriname P.O. Box 2994 Voice: +(597) 452-600 Fax: +(597) 453-585
Telecommunication Executive Management Institute of Canada (TMEIC)	Canadá		Yvon Lachance Secretary Treasurer e Administrator	550 Sherbrooke St. West Suite 471 Montreal, Canada H3A 1B9 Tel: +(514) 849-0666 Fax: +(514) 449-1012
Centro Internacional de Capacitación en Telecomunicaciones (CINCATEL)	Santiago de Chile	August/04/1993	Fernando Fricks Director Ejecutivo CINCATEL.	Padre Hurtado Sur 875 Las Condes. Santiago, Chile Tel:+ (562) 212-6086 Fax:+ (562) 212-5631

REPORT OF THE WORKING GROUP ON RURAL TELECOMMUNICATIONS

BACKGROUND:

1. Permanent Technical Committee I, PTC.I, at its Third Meeting in Tegucigalpa, Honduras, held from May 10-14, 1993 (Doc.CTP.I-114/93 rev.1), approved the work program of the Working Group on Rural Telecommunications.
2. The Telecommunications Development Bureau/International Telecommunication Union (BDT/ITU) assigned an expert to work with the Chairman of the Working Group on Rural Telecommunications on developing that work program.
3. The Working Group on Rural Telecommunications comprised Canada, Colombia, Brazil, Honduras and Mexico. Mr. Leonel López Celaya of Mexico was appointed Chairman of the Group.

PROGRESS REPORT ON ACTIVITIES:

In accordance with the work program adopted by PTC.I, the group took up its activities with great enthusiasm. Below is a summary of its accomplishments to date:

1. The compilation and analysis of general reports and technical documents on rural telephony projects in various countries, as well as on rural telecommunication equipment and systems that are being used and are available on the world market, including equipment ranging from multiple-access radio communication and cellular systems to satellite communication.
2. The data received from the administrations in Brazil, Canada, Colombia, El Salvador, Honduras, Mexico, and Panama, in reply to the questionnaire sent to all CITEL member states, were received and was analyzed. Data on specific rural telephony projects and statistical information from the International Telecommunication Union and other sources were also received from some countries.
3. The final outcome of these activities was the preparation of a draft "Manual on Rural Telecommunications and Low-Income Groups (Region of Americas)." The document still needs further review and editing, and is unfinished in parts, particularly the annexes.

ACTIVITIES PENDING

The most important activities still pending before this Working Group are the following:

1. The Manual on Rural Telecommunications and Low-Income Groups must be completed and reviewed, which requires the support of other member countries in both reviewing the manual and supplying the data requested on the questionnaire. To expedite completion of this project, the manual could be reviewed by the five countries

that make up the Working Group on Rural Telecommunications.

2. Visits must be made to the member countries to meet directly with the entities responsible for rural telecommunications in each administration and to obtain the information requested on the questionnaire, other relevant data on telecommunications, and accounts of experiences that might be useful to other countries in the region. These visits would be beneficial to determine an administration's needs in rural telecommunications or other basic telecommunication services. The visits would be conducted by a group consisting of at least the Coordinator of the Working Group and the BDT/ITU expert.
3. The manual must be published and distributed to the member countries of CITELE.

PROPOSALS FOR NEW ACTIVITIES TO BE DEVELOPED

Several activities remain to be conducted in the area of rural telecommunications to ensure that the findings and Yrecommendations of the CITELE-BDT work programs incorporate both theoretical and practical aspects, so that the activities will be implemented, particularly in the countries that so request.

It is suggested that the following tasks be carried out by the newly organized CITELE to give continuity to and fully implement previous activities:

1. Definition of a work program incorporating activities still pending, in accordance with the section "Activities Pending."
2. Establishment of a program instituting coordination mechanisms between CITELE-BDT and the telecommunication administrations of the member countries, in order to advise the administrations in the management, implementation and installation of their rural telecommunication projects, taking into account both technical and financial aspects.
3. Definition and establishment of credit conditions and mechanisms required by the Rural Telecommunication Program, by identifying and establishing communication channels with the financial agencies and the international, regional, and national banks for program financing.
4. Preparation and holding of training courses or seminars in coordination with the Working Group on Human Resource Development. These should include the following:
 - * An engineering course on the planning and design of rural telecommunication systems.
 - * A project management course incorporating structural and regulatory frameworks, as well as economic, financial, and operational aspects.

These proposals may also be applied, subject to necessary changes, to other basic telecommunication services.

Mr. Sabah Towaij (Industry Canada) was the Chairperson of the seminar and Dr. Jose Costa (Northern Telecom) acted as organizer.

1. Mr. Jose Costa (Northern Telecom, Canada) PCS, Experiences in Canada

This presentation is a follow-up to the presentations given by the same author at the PCC.III PCS Seminar in Buenos Aires on 27 September 1993 on "PCS Concepts" and "PCS in Canada." The PCS vision, characteristics, values, and systems are quickly reviewed and then the attention is focused on the experiences with low-power wireless systems in Canada, particularly CT2Plus, for both private and public applications

The experience with systems for private use, of which 150 have been installed in Canada since September 1993 to-date, shows that the main advantages of cordless telephones are:

- access to hidden "idle" time
- removal of bottlenecks
- more customer and internal contact
- more effective use of telecom investments
- employee empowerment

With respect to the public services, the four service providers that have obtained licenses in Canada are conducting trials and the public service will be launched in September 1994.

The presentation concludes with a vision of the total future communications network, which includes wireless access for mobility and convenience, network intelligence for advanced services, and fiber for high capacity links.

2. Mr. Thomas Walsh (FCC, USA) PCS Regulatory Update in USA

In the United States, the Federal Communications Commission has begun development of a regulatory framework for Personal Communications Systems (PCS). Mr. Thomas Walsh of the FCC presented an overview of recent regulatory activities relative to PCS in the United States. The FCC has defined PCS broadly to encompass a "family of mobile or portable radio communications services that could provide services to individuals and business, and integrated with a variety of competing networks." Many see PCS as offering great potential of a wide range of enhanced personal and mobile communications capabilities for individuals wherever they may be located. The FCC has adopted regulations for narrowband PCS (at near 900 MHz) and wideband PCS (at near 2 GHz). The presentation outlined recent decisions taken by the Federal Communications Commission for PCS in these categories, including the frequency allocations adopted and the associated rules for selection of licensees and regulation of the service.

3. Mr. Mike Calendar (Northern Telecom, Canada) FPLMTS Overview

The World Administrative Radio Conference (WARC) of the International Telecommunication Union (ITU), in March 1992, identified global bands of 1885-2025 and 2110-2200 MHz for Future Public Land Mobile Telecommunication Systems (FPLMTS), including 1980-2010 and 2170-2200 MHz for the mobile satellite

component.

FPLMTS are third generation global systems which aim to unify the diverse systems we see today into a seamless radio infrastructure capable of offering a wide range of services, with the quality we have come to expect from the fixed telecommunications networks, around the year 2000 in many different radio environments.

The paper outlines some of the ITU standards work which is related to personal telecommunications currently under study in the Telecommunication Standardization Sector (ITU-T) and the Radiocommunication Sector (ITU-R), formerly the CCITT and CCIR, in particular that of ITU-R Task Group 8/1 on FPLMTS.

4. Mr. D. MacDonald (Bell Mobility, Canada) Wireless Services Evolution

Today's communication services are discrete in nature, being centred around the technologies that enable such services to exist. Examples are Cellular, Paging and Airphone, with Personal Cordless Technology (CT-2 plus) and Satellite services emerging on the marketplace. As each of the wireless technologies matures, so also do they begin to merge with one another. This convergence is leading us to personal Communications Services, where person-to-person communications will be available anytime and anywhere through the use of a universal personal communications device. The ultimate goal is to be able to use such a device, in conjunction with a personal call manager, for unrestrained personal telecommunications worldwide.

5. Ms. Joanne Wilson (AT&T USA) Perspectives on Migration to FPLMTS

Mobile Communications is one of the fastest growing segments of telecommunications world-wide. Since the 1980's systems based on regional standards have been and continue to be introduced around the world. At present, ITU Task Group 8/1 is developing recommendations for Future Public Land Mobile Telecommunications systems (FPLMTS) that is expected to be available after the year 2000. It is becoming evident to many that for FPLMTS to be successful it must accommodate the existence and evolution of those systems that precede it in the marketplace. This presentation provides a perspective on the evolution or migration of preceding mobile communications systems to the FPLMTS standard.

6. Mr. Felipe González Hill (Entelmovil, Chile) Strategies and Technologies in Personal Communications Services

In this presentation Mr. Felipe González presented an overview of the PCS concept, a comparative analysis of the available technologies for the provision of these services and a description of the business, normative and technical activities that are being developed in Chile in this field, including the report about the PCS experimental system installed recently.

7. Mr. Víctor Hugo Pérez (Motorola, Mexico) Current Status of Mobile Services in Mexico and the

Future Introduction of PCS

Mr. Pérez made a description of the existing mobile communications services in Mexico including, cellular, trunking and paging, and the regulatory environment for these services. Based on this background, he commented about the possibilities of changes to the current regulatory framework, or the elaboration of specific new rules for the future implementation of PCS in Mexico.

8. Mr. Gary Jones, Co-Chairperson JTC, OMNIPOINT Corporation (USA). Overview of the USA T1/T1A Joint Technical Committee (JTC) studies towards an industry standard for a 2 GHz PCS Common Air Interface.

In December of 1992 a Joint Technical Committee was established between T1 and T1A on wireless access to develop common air interface standard(s) for PCS. The JTC is currently considering seven wireless technology proposals (reduced from the original 16). Each proposal tends to focus primarily on either low or high tier applications, although most may be extended to both tiers. The low tier corresponds to small cell pedestrian speeds and the high tier to large cell vehicular speeds. For high tier the proposals include the extension of the cellular CDMA interim T1A standard (IS-95), a derivative of the GSM DCS-1800 air interface called PCS-1900, an extension of the cellular TDMA interim T1A standard (IS-54), and a proposed 5 MHz CDMA standard. For low tier there is a TDMA proposal based on a combination of the Japanese Personal Handyphone and the Bellcore specified WACS which is referred to as PACS, and a derivative of the ETSI DECT standard, the TDMA DCT proposal. Finally there is a hybrid CDMA/TDMA proposal aimed at both tiers which has received FCC pioneer preference. Some of the proposals will be ready for ballot by 1995.

9. Mr. Nicolas Jove (Iridium, Andes Caribe, Venezuela). Operational and technical provisions of the Iridium Mobile Satellite Communications Systems to provide services to latin America and the Caribbean.

"...in this exhibition a general vision of the Iridium project is presented, evidencing the most important technical and regulatory aspects for the operation and provision of its services. Likewise, a graphic description of the phone call routing is shown as well as the different system applications..."

SUMMARY OF THE DRAFTING GROUP

Based on the information presented during the seminar we can conclude that the PCS (Services/Systems) both terrestrial and satellite will provide a new wide range of communications-services with various degrees of terminal and personal mobility in a manner which best meets the user's needs at any time and location. The implementation of this services/systems requires an exhaustive analysis about the standards to be adopted, the regulations to be applied and the corresponding frequency bands allocations to assure the more benefits for the user like high quality, availability, roaming and affordability.

REPORT ON THE SS7 SEMINAR

The SS7 Network Seminar offered by T1 Committee and organized by Mr. Mel Woinsky (NTI), was very successful and well received by all participants. Presentations were delivered by North American subject matter experts on areas such as SS7 network architecture and protocol aspects, as well as areas such as OA&M, SS7 services, etc.

The different architectures of the SS7 network were introduced, pointing out the criteria that may be used according to the existing network. In any case, emphasis was made on the reliability, disponibility and quality that the SS7 network must meet. Accordingly, the following points were made.

1. Signaling protocol standards have been defined (MTP, ISUP, SCCP, TCAP, INAP and OMAP) and new protocols such as B-ISUP are currently being defined. This definition respond to the need to ensure interworking between different networks and to the possibility of offering compatible services to subscribers connected to different networks.
2. Network management procedures must be defined to prevent or minimize problems resulting from link failures or congestion. This results in considerable improvements in network reliability.
3. Use simulation and network planning tools to define the architecture of the SS7 network. Given the complexity of all the data associated with the SS7 network, the parameter to be captured and the correlations that need to be taken into account to ensure a highly reliable and secure network, the use of simulation tools is extremely important.

Different services to be supported by SS7 were described; Freephone (800), Calling Card, ISUP services, etc. With the multiplicity of services to be offered and the expected responsiveness that will be required by the subscribers, it was emphasized the need of a high capacity and flexible SS7 network able to meet all customers' services.

As a conclusion, it can be pointed out that although the SS7 network offers an excellent platform for the introduction of new services, a poor definition and planning of such a network could have a strong impact on the quality and reliability of the services.

Reference was made to the effort made by a number of organizations, including the FCC, Operating Companies, Suppliers, etc., to continuously improve the reliability of the SS7 network.

It was also mentioned the new concept on integration procedures to ensure the interconnection of different technologies and different networks. This is important to ensure an appropriate expansion of the network and it was highlighted the large inversions as well as the large number of participants that work in the IITP Committee that focus on this type of analysis.

It was also highlighted the importance of failures simulations in the network, monitoring activities and integration

procedures that are done during two or three weeks. This results in a great amount of data that allows to differentiate the impact of failures in the network and the different stages of congestion. This system was specially recommended for multi-vendors that must meet integrity quality and reliability of the services offered by the networks. Of special importance is to prevent problems. Another important point presented was the opportunity to learn from errors that have already occurred in other networks.

Finally, there was a presentation on management operations of SS7 network and on a possible OAM structure. It focus on the centralized management of the network that permits managing and monitoring in an integrating form for the voice trunks as well as management, signaling nodes and links administration, project management, statistic data collection, and interworking procedures.

As a conclusion it was stated, that, given the large quantity of functions to accomplish and the new concept to consider all elements of SS7 network in a global way, attention should be given not only to the architecture of the SS7 network but also to the structure of operations and management. This will ensure an accurate control of the network to avoid and prevent problems and to react in the most efficient manner to the network failures.

PCC.I and the Working Group on Standards Coordination greatly appreciates the efforts of Committee T1 and all the Presenters in making this Seminar a success.

**REPORT BY THE CHAIRMAN OF THE AD HOC WORKING GROUP ON LEGAL MATTERS
PRESENTED BY MISS MARJORIE RIESKIN AT THE FIRST MEETING
OF THE PERMANENT CONSULTATIVE COMMITTEES
HELD IN OTTAWA, CANADA, FROM 22-31 OF AUGUST, 1994**

1. The Ad Hoc working Group on Legal Matters which was established by COM/CITEL in August 1993, was mandated to:
 - a. to initiate a Program of Activities;
 - b. to make a report to the Assembly recommending an approach for the future;
 - c. to create a forum where the legal entities of the member countries, dealing in telecommunication matters, could gather to discuss current legal issues.

These tasks will be based upon considerations of current developments in Telecom Administrative Law in the Americas.

2. Vice-Chairman

It is proposed by the Chair that Uruguay shall be the Vice-Chairman of the Ad Hoc Working Group on Legal Matters.

3. Participation

The participants from both Members and Associate Members shall be registered in advance through the CITES Secretariat and a list of participants will be distributed among the members.

4. Documents

For the purposes of efficient and effective participation a list of documents relating to subjects concerning the ad hoc Working Group on Legal Matters will be distributed in advance among the participants through the CITES Secretariat to enable them to be sufficiently informed.

5. Schedule of Meetings

The ad hoc Working Group on Legal Matters will hold its First Meeting on the 7th and 8th of November 1994, in Washington, D.C. The following meetings of the working group will then be scheduled.

V. ANNEXES

LISTA DE PARTICIPANTES / LIST OF PARTICIPANTS

**A. PAISES MIEMBROS/MEMBER
COUNTRIES**

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ANNEX B

LISTA DE DOCUMENTOS/LIST OF DOCUMENTS

Number/Número OEA/Ser.L/XVII.4.	Title/Título	Idioma/ Language ¹
PCC.I-01/94 (rev.1)	List of Documents/Lista de documentos	E/S
PCC.I-02/94	Draft Agenda	E
CCP.I-02/94 (rev.1)	Proyecto Temario	S
PCC.I-03/94 (rev.1)	Proyecto de calendario	S
PCC.I-04/94	Intelligent Networks: an Overview by Juan I. Polanco	E/S
PCC.I/II/III 05/94.rev.1	Los miembros asociados en los trabajos de los Comités Consultivos Permanentes de la Comision Interamericana de Telecomunicaciones (CITEL) (Documento presentado por la Delegación de México).....	E/S
PCC.I/II/III 06/94	Comentarios al Artículo 82 (Miembros Asociados) del Reglamento de la Comisión Interamericana de Telecomunicaciones (CITEL) y propuesta para su modificación. (Documento presentado por el Presidente del CCP.III).....	E/S
PCC.I/II/III 07/94	CITEL Associate Members (Information Document by the Executive Secretariat)	E/S
PCC.I/II/III	CITEL Working Groups (Information document by the	

¹ E= English/Inglés. S= Spanish/Español

08/94	Executive Secretariat)/Grupos de Trabajo de la CITEL (Documento Informativo de la Secretaría Ejecutiva).	E/S
PCC.I/II/III 09/94	La Comisión Interamericana de Telecomunicaciones: sus orígenes, reuniones y realizaciones. (Documento informativo de la Secretaría Ejecutiva).	S
PCC.I/II/III 10/94	Inter-American Telecommunication Commission (CITEL) Participants, Structure/Authorities and Member Country Directory. (Information document by the Executive Secretariat)	E/S
PCC.I-11/94	Resoluciones CITEL RES:8 (I-94) de la Asamblea de la CITEL en Montevideo, 1994, (Documento informativo de la Secretaría Ejecutiva).....	S
PCC.I-12/94	Work Plan of PCC.I Period 1994-1998	E
PCC.I-13/94	Plan de Trabajo del CCP.I Período 1994-1998 (rev.1)	S
PCC.I-14/94	Grupo de Trabajo sobre Recursos Humanos (Addendum al documentos PCC.I-26).....	S
PCC.I-15/94	Report on the Working Group on Rural TelecommunicationsInforme relativo al Grupo de Trabajo Sobre Telecomunicaciones Rurales.....	E/S
PCC.I-18/94 (rev.2 & rev.3).	List of Participants for PCC.I/Lista de participantes para CCP.I.....	E/S
PCC.I-22/94	Comments on the Document Entitled "Primary Results Obtained by Permanent Technical Committee I (PTC-I) in Studies Related To SS No. 7 and Conducted Over the Last Year and a Half."	E/S
PCC.I-23/94	Digital cordless telephones systems operating under 1 GHz.	E/S
PCC.I-24/94	Operating Policy and Procedures for the Standards Process/ Política de trabajo y procedimientos para el proceso de adopción de normas.	E/S
PCC.I-25/94	A Draft Proposed - American National Standard on Personal Communication Terminology.	E

PCC.I-26/94	Human Resources Working Group / Grupo de trabajo sobre Recursos Humanos.....	E/S
PCC.I-27/94	The First Meeting of Permanent Consultative Committee I: "Public Telecommunications Services"/La Primera Reunión del Consultivo Permanente I: "Servicios Públicos de Telecomunicaciones".	E/S
PCC.I-28/94	Resolution: Workplan for CITEI PCC.I for the period 1994-1998/Resolución Plan de Trabajo del CCP.I de la CITEI para el período 1994-1998.	E/S
PCC.I-29/94	Establecimiento del Grupo de Trabajo sobre Servicios Básicos y Universales de Telecomunicaciones.	S
PCC.I-30/94	Draft work plan of the group on basic and universal telecommunications services.	E/S
PCC.I-31/94	Draft resolution working group on human resource development/Proyecto de Resolución del Grupo de Trabajo sobre Desarrollo de Recursos Humanos.....	E/S
PCC.I-35/94	Working group comments on network modernization telecommunications / Comentarios del Grupo de Trabajo sobre la Modernización de Redes Telecomunicaciones.	E/S
PCC.I-36/94	Introductory remarks by Roberto Blois, Executive Secretary of CITEI.	E
PCC.I-37/94	Report of the PCS Seminar.	E/S
PCC.I-38/94	Legal working group of PCC.I (Draft agenda).	E/S
PCC.I-39/94	Report by the Chairman of the <i>ad hoc</i> Working Group on Legal Matters.	E
PCC.I-40/94	PCC.I working group on standards coordination resolution approves the SS7 coordinated standards document for transmittal to authorities of CITEI members countries/ CCP.I/Grupo de Trabajo sobre Coordinación de Normas Resolución aprueba el documento del SS7 sobre Normas Coordinadas para su envío a las autoridades de los países miembros de la CITEI.	E/S

PCC.I-41/94	Working Group Comments on Network Modernization Telecommunications.....	E
PCC.I-42/94	Report on SS7 seminar (Mr. Mel Wojcinsky) Informe del seminario sobre la Red de Señalización No. 7.....	E/S
PCC.I-43/94	Resolution: Agenda, Place and date for second meeting of PCC.I/Resolución: Agenda, lugar y fecha de la Segunda Reunión del CCP.I.	E/S
PCC.I-44/94	Minutas de la Primera Sesión de Trabajo.	E/S
PCC.I-45/94	Resolution: Establishment of the Standards Coordination Group.....	E
PCC.I-46/94	Draft Resolution Establishment of the Working Group on Basic and Universal Telecommunications Services.....	E
PCC.I-48/94	Resolución CCP.I.RES 4(I-94) Establecimiento de un Grupo de Trabajo sobre Coordinación de Normalización.	S
PCC.I-49/94	Resolution on Network Modernization.	E
PCC.I-50/94	CITEL PTC.I/Committee T1 <i>ad hoc</i> on Standars Coordination - Final Report.....	E
PCC.I-51/94	Informe Final de la Primera Reunión del Comité Consultivo Permanente I (CCP.I): Servicios Públicos de Telecomunicaciones del 22 al 26 de agosto de 1994, Ottawa, Canadá. (Provisional).....	E/S

VI. SPEECHES

**CITEL PCC.I
OPENING REMARKS**

**MR. THOMAS J. PLEVYAK, VICE-CHAIRMAN OF THE PCC.I
AUGUST 22, 1994- OTTAWA, CANADA**

Good morning ladies and gentlemen. Welcome to the inaugural meeting of Permanent Consultive Committee on Public Telecommunications Services. I'm Tom Plevyak of Bell Atlantic in Arlington, Virginia. As I stated in the Opening Ceremony, I am honored to serve as your Vice-Chairman and consider it a special privilege to act as Chairman of this, the first meeting of PCC.I. As you know, I am acting on behalf of PCC.I Chairperson, Mrs. Rosa Maritza Salinas of Honduras. Critical duties as Under-Secretary of Communications and Transport require her immediate attention. She has asked me to extend apologies for her absence and to express her firm commitment as Chairperson of future PCC.I meetings. We are pleased to have with us, from Honduras, Mr. Miguel Paz, PCC.I Secretary, and Mr. Ramon Mendoza, Secretary of the PCC.I Working Group on Standards Coordination.

I believe strongly that these PCC.I meetings are of fundamental and historic significance. PCC.I will play a vital role with respect to CITEL's broad mandate. Its Work Program includes Standards Coordination, Basic Telecommunications Services, Modernization and New Services, Human Resources and Legal Matters. This Thursday's meeting of the PCC.I Working Group on Standards Coordination, which was initiated in May 1991 as an *ad hoc* Group, is expected to produce a stable Coordinated Standards Document on Signaling System 7, perhaps the first product of the New CITEL. Other Coordinated Standards Documents are in various stages of completion. The Order of Business for PCC.I at these meetings focuses primarily on the definition and going-forward actions of its various Working Groups and *ad hoc* Working Groups. Now is the time, not later, but now, for PCC.I to define aggressive programs of action that will demonstrate, along with the other PCCs, the invaluable and unique contributions CITEL can be expected to make in the Americas.

Private sector involvement in PCC.I activities has begun in earnest. PCC.I now has 16 Associate Members from the private sector participating in significant ways. This can be expected to grow as PCC.I, and CITEL in general, demonstrate timely and important results which attract the energy, resources, and spirit of the private sector.

Once again, welcome to the inaugural meeting of Permanent Consultative Committee I. I hereby declare this meeting open.

**PCC.I THIRD WORKING SESSION
OPENING REMARKS**

**MR. THOMAS J. PLEVYAK, VICE-CHAIRMAN OF THE PCC.I
AUGUST 25, 1994 - OTTAWA, CANADA**

Good morning ladies and gentlemen. I'm Tom Plevyak of Bell Atlantic in Arlington, Virginia. As Vice-Chairman of PCC., I am speaking today on behalf of Mrs. Rosa Maritza Salinas of Honduras, the Chairperson of PCC.I As you know, Mrs. Salinas is unable to be with us due to pressing duties as Under-Secretary of Communications and Transport.

Welcome to the second meeting of the Working Group on Standards Coordination. At our inaugural meeting in Rio de Janeiro on October 25, 1993, we transitioned from the PTC./Committee T1 *ad hoc* Group on Standards Coordination to become the PTC.I Working Group on Standards Coordination. Now we become a very important part of the newly initiated PCC/I This places us today in a transition state to be addressed by a short PCC.I Plenary to be convened immediately. The Plenary will address the Objectives and Terms of Reference of the Working Group on Standards Coordination for the purpose of discussion and ratification.