



**ORGANIZATION OF AMERICAN STATES**  
Inter-American Telecommunication Commission

**VII MEETING OF THE PERMANENT  
CONSULTATIVE COMMITTEE III:  
RADIOCOMMUNICATIONS  
7-11 April 1997  
Cartagena de Indias, Colombia**

**OEA/SER.L/XVII.4.3  
PCC.III-695/97 rev.1  
June 20, 2008  
Original: Spanish**

**FINAL REPORT**

## TABLE OF CONTENTS

I. AGENDA.....	1
II. MEETING AUTHORITIES.....	2
III. RESOLUTIONS.....	2
PCC.III/RES. 49 (VII-97) ACCESSION TO THE CONVENTION ON INTERNATIONAL AMATEUR RADIO PERMIT .....	2
PCC.III/RES. 50 (VII-97) AGENDA, VENUE AND DATE OF THE VIII MEETING OF THE PCC.III .....	3
PCC.III/RES. 51 (VII-97) DEVELOPMENT OF A REGIONAL DATABASE ON FREQUENCY USAGE.....	4
PCC.III/RES. 52 (VII-97) SUPPORT FOR ACTIVITIES ASSOCIATED WITH THE FOLLOWING COM/CITEL WORKING GROUPS:.....	6
PCC.III/RES. 53 (VII-97) SEMINAR ON THE WTO AGREEMENT ON BASIC TELECOMMUNICATION SERVICES.....	8
PCC.III/RES. 54 (VII-97) ESTABLISHMENT OF A RAPPORTEUR'S GROUP TO PREPARE A REPORT ON BAND WIDTH AND CAPACITY REQUIREMENTS FOR SERVICES TO BE SUPPORTED ON FIXED WIRELESS ACCESS (FWA) SYSTEMS .....	9
IV. RECOMMENDATIONS .....	10
PCC.III/REC. 29 (VII-97) CONSIDERATIONS CONCERNING THE REGULATION OF GMPCS .....	10
V. DECISIONS .....	12
PCC.III/DEC.19 (VII-97) REPORT ON IMPLEMENTING LOW EARTH ORBIT MOBILE SATELLITE SERVICE BELOW 1GHz IN THE AMERICAS (LEO-MSS) .....	12
PCC.III/DEC.20 (VII-97) PARTICIPATION IN INTERNATIONAL ACTIVITIES ON FIXED WIRELESS ACCESS (FWA) .....	12
PCC. DEC.21 (VII-97) CITEL ACKNOWLEDGEMENT OF THE WORK UNDERTAKEN BY MR. LUIS MANUEL BROWN AS CHAIRMAN OF PCC.III OF .....	15
VI. LIST OF THE BASIC DOCUMENTS RESULTING FROM THE SEVENTH MEETING OF PCC.III: RADIOCOMMUNICATIONS .....	16

**FINAL REPORT**  
**SEVENTH MEETING OF THE PERMANENT CONSULTATIVE COMMITTEE**  
**III: RADIOCOMMUNICATIONS (PCC.III)**

The Seventh Meeting of the Permanent Consultative Committee III: Radiocommunications was held in Cartagena de Indias, Colombia, April 7-11 of 1997.

**I. AGENDA**

1. Approval of the agenda.
2. Appointment of the Drafting Committee for the Final Report.
3. Meeting and report of Working Group chairpersons on the following items:
  - 3.1 Preparation of the World Radiocommunication Conference 1997 (WRC-97)
  - 3.2 Regional data base on the use of radioelectric spectrum (in view of the promotion of its common and harmonic use, including sharing aspects.
  - 3.3 Geo-stationary Orbit Satellite Systems.
  - 3.4 Networks and services using small aperture terminals (VSAT).
  - 3.5 Personal Communication Systems and Associated Systems (Fixed Wireless Access -FWA - and its coexistence with PCS.)
  - 3.6 Radio - Amateur Service.
  - 3.7 Joint Work on Legal Matters and Administrative Procedures (PCC.I, PCC.II, PCC.III.)
  - 3.8 Local Multipoint Distribution/Communication Services.
  - 3.9 Coordination of System Standards/Radiocommunication Services and Certification (together with PCC.I.)
  - 3.10 Human Resources.
  - 3.11 Low Earth Orbiting Satellite Systems below 1 GHz.
  - 3.12 Quantifying incompatibility issues between Fixed Wireless Access and PCS Systems in the 1850-1990 MHz band.
4. Entry into force of the Global Maritime Distress and Safety System (GMDSS) including regional mobile satellite service regional systems in the 1.5/1.6 GHz band participating of GMDSS.
5. Fixed Non Geostationary Satellite Systems
6. Discussions on the results of the World Telecommunication Policy Forum.
7. Coordination of activities with PCCs I and II (in such aspects as PCS, VSAT, Broadcasting, etc.)
8. Harmonization Activities of PCC.I and III to improve efficiency of standard coordination on wireless networks.
9. Mobile Satellite Systems above 1 GHz.
10. Stratospheric Telecommunications Systems.
11. Agenda, Venue and Date for the Eighth PCC.III Meeting.
12. Other related matters.
13. Approval of the report of the Seventh Meeting.

## **II. MEETING AUTHORITIES**

Chairman:	Mrs. Salma Jalife (Mexico)
Vicechairman:	Mr. Amadeo Castro Neto (Brasil)
Chairman of the Group for the Drafting of the Final Report:	Mr. Felix Gomez (Colombia)
Members :	Mr. Javier Sandoval (Colombia)
	Mr. Jaime Teran (Ecuador)
	Mrs. Darlene Drazenovich (United States)
	Mr. Raul Topete (Mexico)
	Mr. Carlos Contreras (Venezuela)
Secretary:	Mr. Roberto Blois Montes de Souza Executive Secretary of CITEL, OAS

## **III. RESOLUTIONS**

### **PCC.III/RES. 49 (VII-97)**

#### **ACCESSION TO THE CONVENTION**

##### **ON AN INTERNATIONAL AMATEUR RADIO PERMIT (IARP)**

The Seventh Meeting of the Permanent Consultative Committee III: Radiocommunications,

#### **CONSIDERING:**

That the IARP Convention was adopted on 8 June 1995 at the General Assembly of the Organization of American States in Haiti;

That two countries, the United States of America and Uruguay, acceded to the Convention on that same date;

That Argentina, Canada, Peru, Venezuela, and Trinidad and Tobago have acceded subsequently,

#### **RECOGNIZING:**

That PCC.III/RES.13(III-95) resolved to urge the Member States of the OAS to consider becoming signatories to the IARP Convention and requested the Executive Secretary to bring the resolution to the attention of CITEL countries,

#### **RESOLVES:**

To urge the remaining Member States to consider accession to the IARP Convention.

**PCC.III/RES. 50 (VII-97)**

**AGENDA, VENUE AND DATE OF THE VIII MEETING OF PCC.III**

The Seventh Meeting of the Permanent Consultative Committee III: Radiocommunications,

**RESOLVES :**

1. To hold the Eighth Meeting of PCC.III in Brazil from June 16th-20th, 1997.
2. To approve the draft agenda for the Eighth Meeting of PCC.III, attached to this Resolution.
3. To convene a Seminar on June 16, 1997, under the direction of the Chairperson of PCC.III Working Group on WRC-97 that describes the results of the 1997 Conference Preparatory Meeting, which will be the technical basis for decisions taken at WRC-97.
4. To request the ITU, via the Executive Secretariat, to participate along with Administrations in presenting the results of the CPM with an emphasis on topics of interest including the following topics:
  - a) Frequency sharing among MSS below 1GHz and fixed and land mobile services.
  - b) Frequency sharing in the 1-3 GHz band among MSS and fixed and land mobile services.
  - c) Frequency sharing among non-GSO MSS feeder links and services existing in the Ka band.
  - d) Frequency sharing among non-GSO FSS and services existing in the Ka band.

**ANNEX**

**DRAFT AGENDA OF THE VIII MEETING OF THE PCC III**

1. Approval of the agenda.
2. Appointment of the Drafting Committee for the Final Report.
3. Preparation of CITELE for the World Radiocommunication Conference, WRC-97
4. Updating of the Regional data base as a step toward harmonization of radio spectrum use in the CITELE member countries.
5. Report of the Working Group chairpersons on the following items:
  - 5.1 Terrestrial Mobile services (Personal Communication Systems and Associated Systems (Fixed Wireless Access - FWA - and its coexistence with PCS.)
  - 5.2 Geostationary satellite orbit system
6. Meeting and Report of the Working Group Chairperson on the following item:

6.1 Quantifying incompatibility issues between Fixed Wireless Access and PCS Systems in the 1850-1990 MHz band.

7. Agenda, Venue and Date of Ninth Meeting of the PCC.III.
8. Other related matters.
9. Approval of the report of the Eight Meeting.

### **PCC.III/RES. 51 (VII-97)**

#### **DEVELOPMENT OF A REGIONAL DATABASE ON FREQUENCY USAGE**

The Seventh Meeting of the Permanent Consultative Committee III: Radiocommunications,

#### **CONSIDERING:**

That, at the Summit of the Americas, held from December 9-11, 1994, the Heads of State highlighted the need to promote the compatible use of the radio spectrum among the countries of the Region;

That, taking into account the Declaration of Principles and Plan of Action of the Senior Telecommunications Officials Meeting held in September, 1996, efforts to encourage the efficient use of the radio spectrum should be undertaken on a priority basis,

#### **TAKING INTO ACCOUNT:**

That PCC.III established a working group to draw up a plan of action for the development of a regional database on frequency usage, initially in the range 960-2500 MHz;

That the fourth meeting of PCC.III invited the Executive Secretary to make appropriate contacts with the ITU Regional Office to coordinate an action plan to establish a regional database, which has resulted in the development of an excellent cooperative arrangement between CITELE and the ITU in this regard;

That the sixth meeting of PCC.III resolved to extend the frequency range downward to 137 MHz while maintaining priority for 960 to 2500 MHz,

#### **NOTING:**

That the seventh meeting of PCC.III considered it feasible to undertake the following actions:

- a) to extend the frequency range under consideration upward to 3700 MHz;

- b) to establish milestones/deadlines for the submission of information on frequency usage among the Member States of CITELE, according to the schedule outlined in Annex 1;
- c) to identify contact points in the Member States to supply such information to the CITELE Executive Secretariat;
- d) to identify and reference in an appropriate manner those Resolutions and Recommendations adopted by PCC.III (and PCC.II) concerning the use of frequencies within the range 137-3700 MHz;
- e) to request the Executive Secretary to appoint a coordinator in the Office of the Executive Secretariat to act as the key point of contact with the ITU Regional Office in Brasilia to further develop the database;
- f) at the invitation of the Head of the ITU Regional Office, to accept the offer of cooperation with the CITELE Executive Secretariat.

**RESOLVES:**

1. That the above actions be adopted as part of a systematic program of activities to be undertaken through a continuing cooperative arrangement between CITELE and the ITU Regional Office.
2. That CITELE Member States make every effort to provide the necessary information according to the attached schedule in the interest of promoting the harmonized use of frequencies in the Region.
3. That, having fulfilled its original mandate, the activities of the PCC.III Working Group on the Use of the Radio Spectrum be terminated.

## Annex 1

### Frequency Range

### Deadline for Submission of Information

960-2500 MHz

September, 1997  
(for the 1X Meeting of PCC.III)

137-960 MHz  
2500-3700 MHz

February, 1998  
(for the X Meeting of PCC.III)

### **PCC.III/RES. 52 (VII-97)**

#### **SUPPORT FOR ACTIVITIES ASSOCIATED WITH THE FOLLOWING COM/CITEL WORKING GROUPS:**

#### **AD HOC WORKING GROUP ON THE STRUCTURE AND FUNCTIONING OF CITEL /AD HOC WORKING GROUP ON THE PREPARATIONS FOR THE ITU WORLD TELECOMMUNICATION DEVELOPMENT CONFERENCE / TEMPORARY WORKING GROUP TO PREPARE FOR THE 1998 ITU PLENIPOTENTIARY CONFERENCE**

The Seventh Meeting of the Permanent Consultative Committee III: Radiocommunications,

#### **CONSIDERING:**

That, pursuant to COM/CITEL RES.40 (IV-96), the ad hoc Working Group on the Structure and Functioning of CITEL under the Chairmanship of Mr. Ferdinando Maglione of Brazil was established to a) prepare a report containing a list of priority areas for CITEL with special reference to the Declaration of Principles and Plan of Action agreed by the Meeting of Senior Telecommunication Officials held in September 1996; b) examine the existing structure of CITEL with a view toward enhancing the efficiency and effectiveness of the work; c) consider measures to strengthen the financial base of CITEL; d) develop a recommended set of rules of procedure for conferences and meetings of CITEL and proposals for improving the working methods of CITEL; and e) consider measures to enhance the EDH capability of CITEL;

That, pursuant to COM/CITEL RES.38 (IV-96), the ad hoc Working Group to Prepare for the 1998 ITU World Telecommunication Development Conference under the Chairmanship of Mr. Solardo Rivero of Venezuela was established to prepare CITEL positions on the following high priority topics: a)integrated rural development; b) management of the radio frequency spectrum; c) methods for GMPCS implementation; d) methodology for the development of global interconnection; e) regional integration through

project identification; f) emergency telecommunications; as well as to identify other priority topics.

That, pursuant to COM/CITEL RES.37 (IV-96), a number of topics to be considered by the Working Group, established previously by the 1995 Session of COM/CITEL under the Chairmanship of Mr. Jose Vivanco of Ecuador, were identified and include the following: a) ITU regional presence; b) financial matters; c) review of ITU Sector activities; d) review of the ITU strategic plan; e) review of the resolutions and recommendations from the 1994 Plenipotentiary Conference, and e) amendments to the legal instruments of the ITU (Constitution and Convention).

**NOTING:**

The urgent need for contributions from the Member States and Associate Members of CITEL on the topics identified within the terms of reference of the 3 working groups of COM/CITEL identified in *considerings 1, 2 and 3* above,

**TAKING INTO ACCOUNT:**

That an excellent cooperative arrangement has been developed between CITEL and the ITU Regional Office in Brasilia which has facilitated the identification of high priority projects undertaken on a joint basis, such as the development of a regional database on frequency usage;

That, given the limited human and financial resources available, and the fact that “regional presence” has been included as one of the priority items to be examined in preparation for the 1998 Plenipotentiary Conference, efforts should be increased to identify further topic areas to be undertaken jointly between CITEL and the ITU Regional Office,

**RESOLVES:**

1. That the Executive Secretary communicate the text of this Resolution to all Member States and Associate Members in an effort to encourage on an urgent basis the preparation of contributions in support of the work of the 3 COM/CITEL working groups;

2. To request CITEL Member States to consider at the earliest opportunity activities which may be candidates for joint study between CITEL and the ITU Regional Office;

3. To request CITEL Member States which serve in an elected capacity in the ITU Council to ensure that the positive experience in the Americas Region on the cooperation between CITEL and the ITU Regional Office is highlighted during the discussion on regional presence at the 1997 Session of Council.

**PCC.III/RES. 53 (VII-97)**

**SEMINAR ON THE WTO AGREEMENT ON BASIC  
TELECOMMUNICATION SERVICES**

The Seventh Meeting of the Permanent Consultative Committee III: Radiocommunications,

**CONSIDERING:**

That the Declaration of Principles and Plan of Action for the Americas adopted by the Meeting of Senior Telecommunication Officials in September, 1996 highlighted the need to facilitate the dissemination of information on important developments in the telecommunication environment among the countries of the Region;

That the Permanent Consultative Committees of CITEL have undertaken efforts to schedule seminars on a regular basis on a wide variety of topics in the interest of information dissemination,

**NOTING:**

That the General Agreement on Trade in Telecommunication Services concluded on 15 February, 1997;

That, as a result of the agreement, there are now multilateral rules for trade and investment in basic telecommunication services;

That 20 CITEL Member States participated in the negotiations among the 69 countries which signed the agreement,

**TAKING INTO ACCOUNT:**

That the 1996 Session of COM/CITEL concluded that presentations on the results and implications of the WTO Agreement would be very beneficial to all of the Member States of the Region;

**RESOLVES:**

1. That a Seminar on the WTO Agreement on Basic Telecommunication Services be held in conjunction with the IX meeting of PCC.III in September, 1997;
2. That the Executive Secretary be invited to contact appropriate experts in the WTO to serve as resource persons for the Seminar.

**PCC.III/RES. 54 (VII-97)**

**ESTABLISHMENT OF A RAPPORTEUR'S GROUP TO PREPARE A REPORT  
ON BAND WIDTH AND CAPACITY REQUIREMENTS FOR SERVICES TO BE  
SUPPORTED ON FIXED WIRELESS ACCESS (FWA) SYSTEMS**

The Seventh Meeting of the Permanent Consultative Committee III: Radiocommunications,

**CONSIDERING:**

Wireless Access is a generic broad term that can be split into three areas: Fixed Wireless Access, Nomadic Terminals (e.g. DECT, PHS, CT2) and Mobile/Cellular systems (e.g. PCS 1900, IS-136, IS-95 ).

This term may include, by some administrations, Point to Point fixed links at T1/E1 rates and above.

That administrations pursue fulfilling Universal Service Objectives through Fixed Wireless Access technologies.

That ITU-R has delivered a Handbook on Fixed Wireless Access.

**RECOGNIZING:**

That various administrations have highlighted the need to define and redefine terms for Wireless Access.

That document PCC.III-671/97, questioned the bandwidth and capacity requirements for the evolution of services that can be supported by Fixed Wireless Access systems.

That support for both basic services in high population density areas and/or the growth of Internet services at rates > 28.8 Kbps, impart greater capacity and bandwidth requirements than previously considered for Fixed Wireless Access systems.

**FURTHER RECOGNIZING:**

That administrations and operators would benefit from having a report that would give guidance on selection of the minimum bandwidth/capacity requirements to support the different services that could be offered on Fixed Wireless Access Systems.

## **RESOLVES:**

1. That PCC.III will develop such a report.
2. That a rapporteur's group under the PCS Working Group will prepare this report.
3. To designate Canada rapporteur of this group.
4. That the report will address:
  - System Characteristics
  - Types of Applications and Services
  - Bandwidth Requirements
  - Available Technologies
  - Frequency Bands

## **IV. RECOMMENDATIONS**

### **PCC.III/REC. 29 (VII-97)<sup>1</sup>**

#### **CONSIDERATIONS CONCERNING THE REGULATION OF GMPCS**

The Seventh Meeting of the Permanent Consultative Committee III:  
Radiocommunications,

#### **CONSIDERING :**

The need and opportunity to discuss aspects related to the regulation of the GMPCS service;

The position adopted by CITELE member countries at the World Telecommunications Policy Forum held in Geneva from October 20 to 23, 1996;

The importance that administrations facilitate the early introduction of GMPCS.

---

<sup>1</sup> This recommendation replaces PCC.III/REC.22(VI-96)

That the results of the first WTPF achieved a broad consensus among ITU member states, system operators, and manufacturers on the subject of GMPCS;

That COM/CITEL REC. 2 (IV-96) highlighted the desirability of the Member States and Associate Members to actively participate in the follow-up work carried out within the scope of the ITU;

That the specific follow-up activities have included the development of an Memorandum of Understanding (MoU) and arrangements to facilitate the introduction of GMPCS including regional systems ( Opinion 4), as well as the establishment of a group of experts to prepare a check list of factors which developing countries may take into account in the process of introducing GMPCS services (Opinion 5);

That three project teams have been established to develop the arrangements, specifically on the topics of a) type approval and marking of terminals, b) licensing of terminals, and c) customs arrangements and access to traffic data;

**RECOGNIZING:**

The strength derived from common positions of CITEL member countries in other international fora;

**NOTING:**

that the participation of all countries is essential to ensure the early introduction of GMPCS systems which convey potential benefits to both developing and developed countries,

**RECOMMENDS:**

That CITEL member countries consider amongst other things the policy and regulatory elements identified in the Report of the WTPF for regulating GMPCS in the national context of each country;

That CITEL member countries consider the terms of the draft Memorandum of Understanding circulated by the ITU Secretary General through its 21 February 1997 letter, and to attend the relevant ITU meeting(s) with a view to promote both national and common regional interests.

The CITEL members review the final MoU and become signatories

That CITEL members attend the next meeting of the MOU group in Geneva, in late June 1997, as well the group of experts on Opinion 5, 30 June-1 July 1997.

## **INVITES:**

The Executive Secretary to circulate this Recommendation to CITEL Member States and Associate Members on an urgent basis;

The Executive Secretary to ensure that the pertinent information concerning the schedule of MoU meetings and related documentation including all Core Group documents is communicated to all CITEL PCC.III members.

## **V. DECISIONS**

### **PCC.III/DEC.19 (VII-97)**

#### **REPORT ON IMPLEMENTING LOW EARTH ORBIT MOBILE SATELLITE SERVICE BELOW 1GHz IN THE AMERICAS (LEO-MSS)**

The Seventh Meeting of the Permanent Consultative Committee III: Radiocommunications decided the CITEL Executive Secretary should send all member countries a copy of document PCC.III/624/97, entitled “Report on Implementing Low Earth Orbit Mobile Satellite Service Below 1 GHz in the Americas (LEO-MSS)”.

The Secretary of CITEL also was instructed to include the information contained in chapter 3.0 in the regional spectrum allocation data base.

### **PCC.III/DEC.20 (VII-97)**

#### **PARTICIPATION IN INTERNATIONAL ACTIVITIES ON FIXED WIRELESS ACCESS (FWA)**

The Seventh Meeting of the Permanent Consultative Committee III: Radiocommunications decided that the Executive Secretary of CITEL shall provide all members of PCC.III with the ITU-R Survey on “Fixed Wireless Access within IMT-2000 for Developing Countries,” (ITU-R Circular Letter 8/LCC/45), contained in Annex A, requesting that they:

1) Consider responding to the survey and that a copy of the response be sent to the Chairman of PCC.III and the Executive Secretariat of CITEL for the purposes of consolidating Region 2 information.

2) Consider the provision of contributions to ITU-R WP 8A for the newly approved question ITU-R xxx/8, entitled “Frequency bands, technical characteristics and operation needs for the local loop, wireless access systems”, which was distributed previously (cf. PCC.III/DEC.17 (VI-96), “Identification of the Frequency Spectrum for

Fixed Wireless Access (FWA”)), as well as to PCC.III with the intention of harmonizing the studies in Region 2.

**Annex A**

**INTERNATIONAL  
TELECOMMUNICATION UNION**



*Radiocommunication Bureau*

*(Direct Fax No. +41 22 730 57 85)*

Circular Letter  
8/LCCE/45

4 March 1997

**To Administrations of Member States of the ITU and  
Radiocommunication Sector participating in the  
work of Radiocommunication Study Group 8**

**Subject: Survey on Fixed Wireless Access within IMT-2000 for Developing Countries**

ITU-R Task Group 8/1 has decided at its 12th meeting (Cheju, Republic of Korea, 18-28 February 1997) to conduct a survey on the Fixed Wireless Access (FWA) within IMT-2000\*.

The intention of this survey is to acquire information to assess how best IMT-2000 can meet the requirements for the provision of FWA services (voice and data), particularly in developing countries.

The survey questions are contained in the attachment and the replies should be sent to Mr. A. Kumar, Chairman of Working Group 1 (Developing Countries) of ITU-R Task Group 8/1 at the address below, preferably before the next meeting of Task Group 8/1 scheduled for 8-19 September 1997.

Mr. A. KUMAR  
Telecommunications Engineering Centre  
Department of Telecommunications  
Khurshid Lal Bhawan  
Janpath  
New Delhi 110001  
India

Tel: +91 11 3714866  
Fax: +91 11 3326029  
E-mail: Ashok.Kumar@itu.int

Robert W. Jones  
Director, Radiocommunication Bureau

---

\* .....IMT-2000 is also known as Future Land Mobile Telecommunication Systems (FPLMTS).

Attachment: Survey questions

cc: Director, BDT

Distribution:

- Administrations of Members States and Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 8
- Chairman and Vice-Chairmen of Radiocommunication Study Group 8
- Secretary General of the ITU, Director of the Telecommunication Standardization Bureau, Director of the Telecommunication Development Bureau

## ATTACHMENT

### SURVEY QUESTIONS

The questions are divided into topics:

#### **A) PRESENT SITUATION**

- 1) What is the demand for fixed access services in your country? Is there any unsatisfied demand?
- 2) Do you use or intend to use existing cellular infrastructure and cellular frequencies to provide both mobile and fixed wireless access services?
- 3) What is the number of fixed wireless access subscribers per 100 habitants that exists now and that you intend to reach around year 2000?
- 4) What is the number of fixed wireless access subscribers at present?
- 5) What is the user's opinion about fixed wireless terminal voice quality?
- 6) What are the technologies and who are the manufacturers of FWA systems that are in use in your country?
- 7) What kind of services are necessary in your country (percentage distribution for each one)?
  - i) voice;
  - ii) data.
- 8) What would be the required minimum bit rate for data services?

#### **B) SERVICES AND TECHNOLOGIES**

- 9) What technologies do you consider viable or suitable for your country e.g. satellite/cellular/fixed wireless/cordless/multi-access radio? Please justify your response.
- 10) .....What is the comparative integrated cost per subscriber access to the service provider/operator (switch, transmission and installation) between wireline access and wireless access for providing fixed services: Also, what are the target costs for these in your country? (Assuming blocking of 1% and near wireline quality. Other figures may be indicated if assumed differently)  
What is the average network operation and maintenance cost per subscriber access compared to wireline?
- 11) Is there restricted mobility on the wireless access system? If so, what are the requirements?
- 12) What are the likely applications or services for data rate higher than 64 kbps?
- 13) What business sectors will be involved - nature and size of the business?

- 14) Is ISDN compatibility required?
- 15) Do you see benefit in having a global standards for providing FWA in comparison to the use of different technologies/standards to meet local requirements? Please give reasons for response.
- 16) Do you see convergence of mobile and fixed networks? Please justify.

**C) SCHEDULE**

- 17) When does your administration need FWA to be available?

**D) REQUIREMENTS**

- 18) What is your estimate about the potential demand (percentage of each location) for FWA in your country? Assuming:

- i) urban: ..... >1000 subscribers per square km
- ii) suburban: ..... 10 - 1000 subscribers per square km
- iii) rural: ..... 1 - 10 subscribers per square km
- iv) remote:

**E) RADIO SPECTRUM REQUIREMENT**

- 19) i) Do you plan to allocate specific frequency bands for FWA or to use IMT-2000 band for FWA?
- ii) What are the frequency spectrum bands which are currently in use for FWA?

\_\_\_\_\_

**PCC. III/DEC.21 (VII-97)**

**CITEL ACKNOWLEDGEMENT OF THE WORK UNDERTAKEN BY MR. LUIS MANUEL BROWN AS CHAIRMAN OF PCC.III**

The Seventh Meeting of the Permanent Consultative Committee III, taking into consideration the excellent work carried out, the very acute sense of professionalism and spirit of cooperation that Mr. LUIS MANUEL BROWN HERNANDEZ has demonstrated during the performance of his functions as Chairman of the PCCIII of the CITEL, decides:

1. To express its deepest appreciation to the Government of Mexico for having appointed such a distinguished professional; contributing thus to the advancement of telecommunications within the Region of the Americas, occurring within the framework of CITEL and, to Mr. Luis Manuel Brown for his constant devotion to the tasks of the Committee seeking at all times a position of mutual benefit for the Members themselves.

2. To request the Chairman of COM/CITEL to deliver to the Government of Mexico a formal communication conveying the deepest appreciation of the Inter-American Telecommunications Commission for the participation of such a highly respected representative.

3. To request the Chairman of COM/CITEL, likewise, to deliver a formal communication to Mr. Luis Manuel Brown conveying the acknowledgment of CITEL for the work undertaken as Chairman of PCC.III and for his work before the Regional Organization.

**VI. LIST OF THE BASIC DOCUMENTS RESULTING FROM THE SEVENTH MEETING OF PCC.III: RADIOCOMMUNICATIONS**

Report of the Meeting	PCC.III-695/97rev.1
Summary Minutes of the Opening Session	PCC.III-653/97
Summary Minutes of the First Plenary Meeting	PCC.III-654/97
Summary Minutes of the Second Plenary Meeting	PCC.III-672/97
Summary Minutes of the Third Plenary Meeting	PCC.III-673/97
Summary Minutes of the Fourth Plenary Meeting	PCC.III-591/97
Summary Minutes of the Fifth Plenary Meeting	PCC.III-692/97
Summary Minute of the Closing Session	PCC.III-693/97
List of Documents	PCC.III-581/97 rev. 1
List of Participants	PCC.III-584/97 rev. 1