



# ORGANIZATION OF AMERICAN STATES

Inter-American Telecommunication Commission

V MEETING OF THE PERMANENT  
CONSULTATIVE COMMITTEE III:  
RADIOCOMMUNICATIONS  
12-16 August, 1996  
Brasilia, Brazil

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**FINAL REPORT**

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**FINAL REPORT**  
**FIFTH MEETING OF THE PERMANENT CONSULTATIVE COMMITTEE III:**  
**RADIOCOMMUNICATIONS**  
**PCC.III**

The Fifth Meeting of the Permanent Consultative Committee III was held at the National Training Center of TELEBRAS in Brasilia 12-16 August, 1996.

**1. AGENDA**

1. Approval of the Agenda
2. Appointment of the Final Report Drafting Group
3. Meeting and report of the Working Group Coordinators regarding the following items:
  - 3.1 Regional Data Base regarding Radio Spectrum use (with a view to foster its common and harmonious use, including sharing)
  - 3.2 Low Earth Orbit Satellites below 1 GHz
  - 3.3 Networks and Services Using Very Small Aperture Terminals (VSAT)
  - 3.4 Personal Communications Services (PCS) and Similar Systems (Fixed Wireless Access - FWA - and its co-existence with PCS)
  - 3.5 Amateur Radio Service
  - 3.6 World Radiocommunication Conference 1997
  - 3.7 Mobile Satellite Services and Low Earth Orbit Satellites above 1 GHz
  - 3.8 Joint tasks on legal matters (PCC.I, PCC.II and PCC.III)
  - 3.9 Coordination of Standards for Radiocommunications Systems/Services and Certification (with PCC.I)
4. Geostationary Satellite Orbit Systems
5. Non-GSO Fixed Satellite Systems
6. Implementation of the Global Maritime Distress & Safety System (GMDSS) including the participating regional mobile satellite service systems in the 1.5/1.6 GHz band
7. Discussions on the Senior Telecommunication Officials Meeting according to the Mandate of the Summit of the Americas
8. Discussions on the Telecommunication Policy Forum.
9. Human Resources
10. Task coordination with PCC.I and PCC.II (on aspects such as PCS, VSAT, Radio Broadcasting, etc.
11. Harmonization activities of PCC.I and III to increase the efficiency of the standard coordination on wireless networks.
12. Agenda, venue and date for the Sixth PCC.III Meeting
13. Other related topics
14. Approval of the Fifth Report.

## **II. MEETING AUTHORITIES**

Chairman:	Mr. Luis Manuel Brown Hernández (México)
Vicechairman:	Mr. João Carlos Fagundez Albernaz (Brazil)
Chairman of the Group for the Drafting of the Final Report:	Mr. Almir Da Costa (Brazil)
Secretary:	Mr. Roberto Blois Montes de Souza (Brazil) Executive Secretariat of CITEL, OAS

## **III RESOLUTIONS**

### **PCC.III/RES.34 (V-96)**

#### **Regional Importance of the World Telecommunication Policy Forum**

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

#### **NOTING:**

That a number of the CITEL Member countries will participate in the first World Telecommunications Policy Forum (WTPF) during October 21 - 23, 1996 in Geneva;

That the theme of the WTPF concerns global mobile personal communications system and services by satellite (GMPCS) and the implementation of new services via satellite which are of major interest to the countries of the Americas and;

That the meeting of the Senior Telecommunication Officials during September 25 - 26, 1996 in Washington D.C. to follow-up on telecommunication matters developed at the 1994 Summit of the Americas will discuss issues that directly relate to the WTPF; and

That the ITU Secretary General has prepared a report to the WTPF based on input contributions. The report includes a number of voluntary principles and draft opinions on GMPCS.<sup>1</sup>

#### **RECOGNIZING:**

The unique benefits of GMPCS, particularly to developing countries and remote areas;

That in order to achieve these benefits at the earliest opportunity, there is an urgent need for nations, through international cooperation, including through CITEL at the regional

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<sup>1</sup> The latest Report by the ITU Secretary-General to the WTPF, dated 1 August 1996, recommends that the WTPF consider GMPCS in the broader view outlined in Section II item 10 of the Report to include other global satellite systems providing MSS and FSS Services that have similar regulatory issues.

level and through the ITU at the global level, to facilitate the early introduction of GMPCS;

The sovereign right of each country to regulate communications in its territory;

**RECOGNIZING FURTHER:**

That a variety of global satellite systems which will provide MSS and FSS services are in the process of development and implementation with active ownership participation by entities in many countries through national partnerships; and

That satellite system operators are actively engaged with national authorities around the world regarding licensing and service conditions in order to expedite the availability of new satellite services;

**CONSIDERING:**

That national authorities within the Americas region are examining and implementing policies and regulations to foster development of new technology and services including personal communication services via satellite;

That the WTPF will be an opportunity at the global level for CITELE Member countries to discuss and share views with all countries on policies concerning GMPCS systems and implement new services consistent with national objectives;

That the objectives and priorities identified at the 1994 Summit of the Americas to further the expansion of telecommunications throughout the Americas are prompting regulators and operators to work together, including the work programs in CITELE, to implement new systems and services.

That the experience underway in the Americas to develop telecommunications can contribute to the discussions at the WTPF and that the Senior Telecommunication Officials meeting in September in Washington D.C. presents another opportunity to share and coordinate views relevant to the WTPF, and

That CITELE member countries would benefit from coordinating and discussing among themselves those voluntary principles that should be discussed and adopted at the WTPF and implemented by national regulators to expedite the availability of new services via satellite.

**RESOLVES:**

To encourage CITELE Member Countries and Associate Members to:

- a. review and consider the various voluntary principles and draft opinions that have been provided to the ITU Secretary-General and those reflected in the 1 August 1996 Report to the WTPF (see CITEP PCC.III - 395/96, August 8, 1996);
- b. continue to actively participate in discussions and preparations for WTPF regarding voluntary principles and draft opinions; and
- c. encourage national regulators of CITEP Members to use, as appropriate, the voluntary principles in the introduction of GMPCS services in their countries.

To bring this matter to the attention of the Chairman of COM/CITEP for the purpose of determining how the matter of the WTPF might be treated on the agenda of the Senior Telecommunication Officials meeting in September in Washington D.C.

**URGES:**

That CITEP Member countries focus attention on the WTPF and that they participate actively in its deliberations.

**INSTRUCTS:**

The Executive Secretary to communicate this Resolution to all CITEP Member Countries and Associate Members on an urgent basis.

**PCC.III/RES.35 (V-96)**

**Establishment of a Working Group for Local MultiPoint Distribution  
/Communication Service (LMDS/LMCS)**

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

**CONSIDERING:**

1. That the implementation of Local. Multipoint Distribution/ Communication systems by member countries can offer alternate broadband, multimedia distribution including video, telephony and data to residential and business subscribers.
2. The need to ensure that there is an opportunity for this new service in the Americas taking into account efficient use of the frequency spectrum and interference free operation of this service.

3. That the United States has identified spectrum in the 27.5-28.35 GHz and 29.1-29.25 GHz ranges; that Canada has identified spectrum in the 25.35-28.35 GHz range; and that some other countries have identified similar frequency ranges for LMDS/LMCS systems and that licensing activities are underway.

**RECOGNIZING:**

The advantages to be gained by having information regarding LMDS/LMCS technologies and implementation strategies for use by the member countries of CITEL.

**RESOLVES:**

1. To establish a working group to study the various aspects of the implementation of LMDS/LMCS in the Americas.
2. To designate Brazil as chairman of this working group.
3. That the terms of reference are as follow
  - a. To develop recommendations for the harmonization of spectrum usage for LMDS/LMCS by the CITEL members.
  - b. To provide information concerning implementation of different technologies and different applications based on operational experience when available.
  - c. To prepare guidelines as needed for the implementation of LMDS/LMCS in the Americas.



**PCC.III/RES.36 (V-96)**

**Activities to be developed by the Joint Working Group on Legal Matters and Administrative Procedures of PCC.I, II and III**

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

**NOTING:**

That the Resolution 30 (III-95) of COM/CITEL created the Joint Working Group on Legal Matters and Administrative Procedures of Permanent Consultative Committees I, II and III; and

That the above mentioned Resolution indicates that said group should confine its activities to those specifically referred by the PCCs, without prejudice for what its recommendations might contain as far as the identification of other matters likely to require CITEL's attention is concerned.

**CONSIDERING:**

That it is timely to ask said Working Group to devote itself to the study of certain regulatory and legal matters pertaining to radiocommunications.

**RESOLVES:**

1. To request the Joint Working Group on Legal Matters and Administrative Procedures of Permanent Consultative Committees I, II and III to proceed to elaborate legal guidelines and administrative procedures in order to facilitate the introduction of modern technologies in the domain of radiocommunication services.

**INSTRUCTS:**

The Executive Secretary of CITEL to bring this Resolution to the attention of the Joint Working Group on Legal Matters and Administrative Procedures.

**PCC.III/RES.37 (V-96)**

**Activities to be considered by the Working Group chairs within PCC.III to facilitate the wireless networks standard coordination and the link with PCC.I**

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

**CONSIDERING:**

1. The growing development of wireless systems is being directed towards the globalization of services and that said globalization requires the coordination of:
  - . An efficient use of the radioelectric spectrum;
  - . Standards to ensure compatibility among systems and existing standards;
  - . Interconnection among systems allowing the integration of new technologies;
  - . Exchange of information among operators ensuring a common service for users in the Region.
2. The activity of standards coordination within PCC.III will require an active participation of Members this Committee in order to meet the goal given to CITELE by the Summit of the Americas.
3. During the Fourth Meeting of Permanent Consultative Committee III, held in Asuncion, Paraguay, there were meetings between PCC.I and PCC.III in order to define the coordination wireless networks and systems standards between both committees.
4. As a result of the coordination meetings, the PCC.III in its resolution RES 33 (IV-96) established the method for wireless networks standards coordination between PCC.I and PCC.III.
5. It is necessary to have a well-defined work plan in order to meet the request of the Chairmanship of PCC.III.
6. During the Fourth Meeting of PCC.I, hold in Brasilia, Brazil, from May 13th to 17th, 1996, Resolution PCC.III/RES.33 (IV-96), was approved, according to document PCC.I 236/96, item 6 literal b.

**RESOLVES:**

1. That the chairpersons of Working Groups in charge of the following studies:
  - Low Earth Orbit Systems, below 1 GHz.
  - Networks and Services utilizing small aperture terminals (VSAT.)

Personal Communication Systems and related systems.  
Mobile Service Satellites and Low Earth Orbit Satellites, above 1 GHz.  
Geo-Stationary Satellite Orbit Systems.  
Fixed Satellite Systems non Geo-Stationary  
and those new Working Groups related to wireless services/systems,

consider, within their activities, what is indicated in the Annex, in order to facilitate the coordination of activities between PCC.I and PCC.III directed to coordinating the harmonization of wireless networks in compliance with the above mentioned Resolution 33, wireless networks standards coordination.

2. That documents pertaining to Standards coordination coming from each Working Group be referred to the Coordinating Officer who will submit them to PCC.I
3. That the Coordinating Officer presents a summary of documents to be submitted to PCC.I, during the last Plenary meeting.

## **ANNEX**

### **GOAL**

The main goals of this Work Plan are:

- a) To foster exchange of information on standardization activities for Wireless Services/Systems among CITEL Member Countries and standardization development organizations in the Region.
- b) To encourage cooperation and coordination aimed at facilitating interconnection in wireless networks and the installation of similar services so that users may count on a service similar to that provided in their country of origin whenever they are in another country of the Region.
- c) To propose recommendations consistent with development plans of CITEL's Member Countries for Wireless Services/Systems.
- d) To maintain close coordination with other PCCs.

### **WORK PLAN**

**I Based upon the agreement reached between PCC.I and PCC.III on the activities established for each PCC - by means of Resolution PCC.III/RES.33 (IV-96), the main responsibilities of PCC.III will deal with the coordination of:**

1. ALLOCATION OF FREQUENCIES;
2. A PLAN FOR CHANNELING FREQUENCY BANDS;
3. PLANS FOR REDUCING BAND CROWDING;
4. REGULATIONS FOR THE USE OF THE SPECTRUM;
5. LEVELS OF POWER/INTERFERENCE.

**II As primary responsibility of PCC.III with the support of PCC.I, coordination of standards are given below:**

1. AIR INTERFACES;
2. REQUIREMENT FOR CELL HANDOVER;
3. REQUIREMENTS PERTAINING TO PRIVACY-KEEPING AND AUTHENTICATION;
4. USER IDENTITY MODULES;
5. MOBILE UNIT IDENTIFYING DEVICES.

**III As secondary responsibility of PCC.III supporting PCC.I's works:**

1. DESCRIPTION OF SERVICES;
2. NETWORK INTERFACES;
3. ACCESS SIGNALING;
4. SIGNALING AMONG SYSTEMS;
5. INTELLIGENT WIRELESS NETWORKS.

This work plan, to coordinate activities between PCC.I and PCC.III, will take into consideration the priorities set up within the Working Group on Standard Coordination for wireless services and systems, such as:

1. PCS Wireless systems;
2. Cellular systems;
3. Mobile satellite systems.

**PCC.III/RES.38 (V-96)**

**Agenda, venue and date of the sixth meeting of PCC.III**

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

**RESOLVES:**

1. To hold the VI Meeting of PCC.III in Mexico, from December 2nd to 6th, 1996.
2. To approve the draft agenda for the VI Meeting of PCC.III, enclosed to this Resolution.

**ANNEX**

**DRAFT 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 Regional data base on the use of radioelectric spectrum (in view of the promotion its common and harmonic use, including joint use aspects.)
  - 3.2 Low Earth Orbit satellites, below 1 GHz.
  - 3.3 Networks and services using small aperture terminals (VSAT.)
  - 3.4 Personal Communication Systems and Associated Systems (fixed wireless access - FWA - and its coexistence with PCS.)
  - 3.5 Radio-Amateur Service.
  - 3.6 World Radiocommunication Conference 1997.
  - 3.7 Mobile Service Satellite and Low Earth Orbit Satellites, above 1 GHz.
  - 3.8 Local Distribution Service/Multipoint Communication.
  - 3.9 Joint Work on Legal Matters (PCC.I, PCC.II, PCC.III.)
  - 3.10 Coordination of System Standards/Radiocommunication Services and Certification (together with PCC.I.)
4. Geo-stationary Orbit Satellite Systems.
5. Fixed Non-Geo-stationary Satellite Systems.
6. Global Stratospheric Communications Systems (GSCS).
7. 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.
8. Report on the results of the Senior Telecommunication Officials Meeting, in compliance with the mandate given by the Summit at the Americas.
9. Report on the results of the World Telecommunication Policy Forum.
10. Human Resources.
11. Coordination of activities with PCCs I and II (in such aspects as PCS, VSAT, Radio Broadcasting, etc.)
12. Harmonization Activities of PCC.I and III to improve efficiency of standard coordination on wireless networks.
13. Agenda, venue and date for the Sixth PCC.III Meeting.

14. Other related matters.
15. Approval of the report of the Sixth Meeting.

**PCC.III/RES.39(V-96)**

**Evaluation of Candidate Radio Transmission  
Technologies for FPLMTS**

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

**CONSIDERING:**

- A) That Task Group 8/1 of the International Communication Union approved a Recommendation on guidelines for the evaluation of radio transmission technologies for FPLMTS;
- b) That the International Telecommunication Union has planned to announce in early 1997, the status of evaluation process for candidate radio transmission technologies for FPLMTS;
- c) That these activities are to be conducted on a national/regional basis as part of ITU-R efforts within Task Group 8/1 (TG 8/1) aimed at the development of international standards for FPLMTS;
- d) That CITELE members have been very active in the work of ITU-R on FPLMTS;
- e) That much of the evaluation work will likely be performed by proponents of various technologies within the TIA and T1 fora;
- f) That the TIA and T1 standards organizations of Region 2 have volunteered to perform the detailed evaluation of radio technologies for FPLMTS;
- g) That PCC.III could effectively review the results of the evaluation of the candidate radio transmission technologies for FPLMTS;
- h) That a common understanding has been reached on the method to harmonize activities of PCC.I and PCC.III for coordinating the Standardization of wireless networks (Resolution PCC.III/RES.33 (IV-96)), and that PCC.III is the lead group on radio interface standards.

**RECOGNIZING:**

That the participation of CITELE in the FPLMTS evaluation will greatly enhance the ability of its Permanent Consultative Committee III to meet its mandate 'to promote the application of compatible technologies that have been standardized at the global level by the ITU;'

**RESOLVES:**

1. That CITELE members should review the Evaluation Recommendation ITU-R M [8-1/xM] and support its approval at the ITU-R SG 8 meeting in October 1996;
2. That CITELE PCC.III review and provide input to the TIA and T1 on the results of the TIA and T1 evaluation;
3. That CITELE members consider the endorsement in the ITU of FPLMTS radio transmission technologies developed within Region 2;
4. That PCC.III in accordance with common understanding on the harmonization of activities (as per Resolution PCC.III/RES.33 (IV-96)) shall lead the FPLMTS review and liaison information to PCC.I.

**INSTRUCTS:**

The Executive Secretariat to distribute this resolution and meeting notice to the CITELE members.

The Executive Secretariat to send this resolution to the TIA and T1 standards bodies.

**PCC.III/RES.40 (V-96)**

**Retaining in Appendices 30 [S30] and 30A [S30A] the  
Procedures Governing the  
Planned Broadcasting-Satellite Service in Region 2**

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

**CONSIDERING:**

- a) that Agenda Item 1.10 of the World Radiocommunication Conference (Geneva, 1997) is concerned with the review of Appendices 30 [S30] and 30A [S30A] for Regions 1 and 3 in response to Resolution 524;
- b) that *resolves* 2 of Resolution 524 states that "...the future conference shall ensure that the integrity of the Region 2 Plans and their associated provisions is preserved...."
- c) that discussions and preliminary proposals arising from deliberations in Region 1 of the revision of the Regions 1 and 3 Plans have indicated the desire to move procedural aspects of Appendices 30 [S30] and 30A [S30A] into the newly revised and simplified procedures of the Radio Regulations on a so-called transparent manner;
- d) that the modification procedure of Article 4 of Appendices 30 [S30] and 30A [S30A] would consequently be removed from the Plans and merged with the general procedures for unplanned services;
- e) that such a decision by Regions 1 and 3 may necessitate a similar modification to the Region 2 Plan due to the possible general applicability to all Regions of provisions in Articles S9 and S11;
- f) that there is no evidence of any significant benefit resulting from the transfer of these procedures;
- g) that the value of expending WRC-97 resources on this matter is not evident;
- h) that, despite the best of intentions to ensure transparency, the proposed transfer of procedures to Article S9 is likely to have unforeseen or unintended consequences, or both;

**RESOLVES:**

1. That no need exists for WRC-97 to change the location of the BSS Plan procedures of Appendices 30 [S30] and 30A [S30A];



2. That the changes of the procedures for the Regions 1 and 3 Plans must not affect the Region 2 Plan; and

3. To encourage Region 2 Members to participate actively in the work of ITU-R Working Party 10-11S, the Special Committee on Regulatory/Procedural matters (particularly Rapporteur Group 3) and CPM-97 in this regard.

**INSTRUCTS:**

The Executive Secretary of CITELE to bring this Resolution to the attention of ITU-R JIWP 10-11S and the Special Committee on Regulatory/Procedural matters.

**IV. RECOMMENDATIONS**

**PCC.III/REC.18 (V-96)**

**Narrowband Personal Communication Systems (PCS)**

The Fifth Meeting of the Permanent Consultative Committee III: Radiocommunications

**CONSIDERING:**

a) That Narrowband Personal Communications Systems (Narrowband PCS) represent an opportunity for a major improvement in mobile or portable communication and two-way messaging services for individuals or businesses;

b) That Narrowband PCS should be available to users both nationally and throughout the entire Americas;

c) That both these objectives will be enhanced if a requisite degree of interoperability exists;

d) That one element of such interoperability is compatibility of spectrum use;

e) That various technologies for Narrowband PCS now under evaluation by technical entities within the Americas will soon reach the marketplace;

f) That many of the Narrowband PCS services require specific combinations of 12.5 KHz and 50 KHz channels;

**RECOMMENDS:**

1. That in the Americas the frequency bands 901-902 MHz, 930-931 MHz, and 940-941 MHz be designated for implementation of Narrowband PCS;
2. That a uniform channel and sub-band relationship be established and maintained throughout the Region, to facilitate National and Regional roaming. A narrowband PCS channeling plan which is currently used by some Administrations is attached for consideration by members of PCC.III.

**INSTRUCTS:**

The Executive Secretary of CITEI to distribute this Recommendation to all members of PCC.III.

## **PCC.III/REC.19 (V-96)**

### **Itinerant and Low Power Frequencies**

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

#### **CONSIDERING:**

- a) That the allocation of Itinerant and Low Power Frequencies provide users employed in certain commercial, educational and public service activities with a means of mobile communications;
- b) That the allocation of such frequencies assists Regulators in counteracting illegal radio use that results in disruption of legitimate radio services;
- c) That itinerant and low power frequencies assigned to date by CITEL Member countries lie within the VHF sub-band 151 - 161 MHz and the UHF sub-band 450 - 470 MHz;
- d) That a small number of 12.5 KHz channels in both VHF and UHF bands can satisfy certain user needs in most CITEL Member countries,

#### **RECOMMENDS:**

1. That all Itinerant and Low Power Frequencies be allocated by CITEL Member countries in the VHF sub-band 151 - 161 MHz, and the UHF sub-band 450 - 470 MHz;
2. That CITEL Member countries initially allocate a minimum of six 12.5 KHz channels within an 8 MHz band spread in each of the VHF and UHF bands; with a 5 MHz spacing to support repeater operations;
3. That Itinerant channel groups be assigned nationally to avoid the time and expense of coordination of such allocations; and
4. In the case of high power transmitters (greater than 25 W ERP) in the recommended bands, Administrations should consider the need of proper and adequate coordination.

#### **INSTRUCTS:**

The Executive Secretary of CITEL to distribute this Recommendation to all members of PCC.III.

**PCC.III/REC.20 (V-96)**

**800-900 MHz trunking**

The Fifth Meeting of the Permanent Consultative Committee III: Radiocommunications

**CONSIDERING:**

- a) That Trunking Services in the bands of 800-900 MHz for use of private and public services and Public Safety entities are becoming more and more prevalent in the Region;
- b) That harmonized band allocations within the Region will facilitate cross border and sub-regional commerce, as well as critical Public Safety communications during emergencies;
- c) That non-harmonized allocations within the Region may preclude the realization of the benefits of Public Safety and Trunked public and private services;
- d) That Public Safety entities are adopting advanced communications systems utilizing digital narrow band equipment; and
- e) That to promote the orderly development and licensing of Trunking Services and Public Safety Services within this band, it would be useful to identify specific sub-bands along with recommended channelization,

**RECOMMENDS:**

1. That CITEL Member countries should consider the following sub-band designations and channel bandwidth indicated below when allocating spectrum for Trunking Services for use by private and public Services and Public Safety Services.

**806 - 821 / 851- 866 MHz:**

- . Private and Public Services
- . Channel spacing 25 KHz
- . Channel offset within channel groups 0.025 - 1.0 MHz

**821 - 824 / 866 - 869 MHz:**

- . Public Safety & Public Services  
(users who are directly involved with Public Safety, Security of State, and those services requiring close coordination with the Public Safety Services).
- . Channel spacing 12.5 KHz

**896 - 901 / 935 -940 MHz:**

- . Private and Public Services
- . Channel spacing 12.5 KHz
- . Contiguous channel allocation.

2. The CITEL member countries also consider the harmonization of the five channels (Note 1 of Table 4) so that they may be used for the coordination and mutual help between public security services in the band 821-824/866-869 MHz.

**INSTRUCTS:**

The Executive Secretary of CITEL to distribute this Recommendation to all members of PCC.III.

**NOTE:** A Band Plan for Private, Public and Public Safety Services in the frequency band of 806 - 869 MHz, which is currently used by some Administrations is attached for consideration by members of PCC.III. A Band Plan for the frequency band 896 - 940 MHz will be circulated prior to the next meeting of PCC.III, December, 1996.

**PCC.III/REC.21 (V-96)**

**Joint PCC I and III  
Recommendation on Digital Cellular Land Mobile  
Telecommunication Systems below 1 GHz**

**CONSIDERING:**

- a) That digital signals in various formats are being used to improve the communications efficiency of the land mobile service;
- b) That digital transmission systems which are not compatible with existing land mobile systems are also being considered, including the transmission of digitally encoded speech signals;
- c) That mobile telephone services below 1 GHz, i.e. services for public correspondence via radio stations connected to the switched public telephone network, are in operation in a number of countries in the region and that their use is extending;
- d) That the various technical systems already in use or proposed for such services are not necessarily compatible;
- e) The need to improve spectrum utilization efficiency and hence capacity per MHz per unit area;
- f) The need for a flexible system structure able to match network investment to revenue growth readily adapting to environmental factors and responding to new developments rather than restricting innovation; and
- g) The increasing importance of the various type of data and telematic services;

**AND CONSIDERING**

- h) That a document called Recommendation ITU-R M.1073 “Digital Cellular Land Mobile Telecommunications Systems” which recommended certain standards was distributed at the PCC I Standards Coordination Working Group (WGSC) meeting in Asuncion, Paraguay as Document PCC I: WGSC-05-E;
- i) That among the standards recommended in ITU-R.M.1073 were the technologies standardized for digital cellular applications below 1 GHz in North America including the TDMA-and CDMA-based standards;

j) That an Executive Summary and a draft Recommendation regarding digital cellular standards were distributed at the WGSC meeting held in Sao Paulo, Brazil from June 3-7, 1996 as Document WGSC-C-008;

k) That during the PCC III Plenary meeting held in Asuncion from March 18-22, 1996 a recommendation on “ Harmonizing Activities of PCC.I and PCC.III for Coordinating the Standardization of Wireless Services/Systems”, which included a Table listing items for the division of work activities/responsibilities between PCC.I and PCC.III, including defining joint responsibilities was adopted ;

l) That a footnote to the Table to this recommendation states that from a standardization perspective some activities may not be stand alone items for standards coordination; and

m) That in an effort to ensure that both the PCC.I Plenary and Working Group on Standards Coordination and the PCC.III Plenary and Working Group on Personal Communications Systems are fully cognizant, this proposed recommendation is submitted as a Joint Recommendation consistent with the harmonization agreement noted in “k” above; and.

n) That PCC.I, at its September 5-8, 1995 meeting in Washington D.C., unanimously approved a similar recommendation applicable to 2 GHz PCS, allowing a service provider to choose a wireless technology for application within its service area and identified the North American PCS standards.

#### **RECOMMENDS:**

That in the interest of Regional harmonization, service providers consider the selection of the North American TDMA- and CDMA-based standards for digital cellular systems below 1 GHz in the Region.

#### **V. DECISIONS**

##### **PCC.III/DEC.10 (V-96)**

##### **Questionnaire on the use of VSAT terminals in the Americas**

The Fifth Meeting of the Permanent Consultative Committee III decided to instruct the Executive Secretary to send the Questionnaire on the use of VSAT terminals in the Americas (document PCC.III-407/96) to all CITELE Member countries.

##### **PCC.III/DEC.11 (V-96)**

## **Comments on Guidelines on Certification**

The Fifth Meeting of the Permanent Consultative Committee III decided to instruct the Executive Secretary to send to all Member countries a document presented by the United States (PCC.III-358/96) which contains its comments on draft resolution PCC.I-244/96 to permit them to incorporate new elements in preparation for the next meeting of PCC.I.

### **PCC.III/DEC.12 (V-96) Method to harmonize activities of PCC.III for coordinating the Standardization of Wireless Networks**

The Fifth Meeting of the Permanent Consultative Committee III decided to instruct the Executive Secretary to send to all CITELE member countries the text of Resolution PCC.III/RES.33 (IV-96) corr. 1 (published as document PCC.III-419/96) including the description of the work activities.

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

Report of the Meeting	PCC.III-453/96 rev. 1
Summary Minute of the First Plenary Meeting	PCC.III-433/96 rev. 2
Summary Minute of the Second Plenary Meeting	PCC.III-449/96 rev. 1
Summary Minute of the Third Plenary Meeting	PCC.III-450/96 rev. 1
Summary Minute of the Fourth and Fifth Plenary Meeting	PCC.III-451/96 rev. 1
Summary Minute of the Sixth Plenary Meeting	PCC.III-452/96
List of Documents	PCC.III-329/96 rev. 6
List of Participants	PCC.III-330/96 rev. 2