



ORGANIZACION DE LOS ESTADOS AMERICANOS
ORGANIZATION OF AMERICAN STATES

Comisión Interamericana de Telecomunicaciones
Inter-American Telecommunication Commission

**XV MEETING OF PERMANENT
CONSULTATIVE COMMITTEE III:
RADIOCOMMUNICATIONS
6 - 10 March 2000
Mar del Plata, Argentina**

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FINAL REPORT

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FINAL REPORT

FIFTEENTH MEETING OF THE PERMANENT CONSULTATIVE COMMITTEE III: RADIOCOMMUNICATIONS (PCC.III)

The Fifteenth Meeting of the Permanent Consultative Committee III: Radiocommunications was held in Mar del Plata, Argentina, 6 to 10 March 2000.

I. AGENDA¹

1. Approval of the Agenda and Calendar.
2. Appointment of the Drafting Group for the Final Report.
3. Restructuring of the working methods of PCC.III.
4. Meeting and Report of Working Groups Chairpersons on the following topics:
 - 4.1 World Radiocommunication Conference.
 - 4.2 Relative to satellite systems to provide fixed and mobile services.
 - 4.3 Broadband Wireless Systems in Frequency bands above 20 GHz.
 - 4.4 Terrestrial Wireless Access.
5. Report of the tasks realized in coordination with ITU.
6. Situation of the developing databases.
7. Preparations for the ITU Radiocommunication Assembly (RA-2000).
8. Agenda, Venue and Date of the XVI Meeting of PCC.III.
9. Other related matters.
10. Approval of the Final Report of the XV Meeting.

¹ Document PCC.III/doc.1534/00

II. AUTHORITIES OF THE MEETING

Chair: Ms. Salma Jalife (Mexico)
Vice-Chair: Mr. Amadeu de Paula Castro Neto (Brazil)

Acting Executive Secretary: Mr. William Moran (CITEL)

Drafting Group:

Chair: Mr. Celedonio von Wuthenau (Argentina)
Members:

Mr. Antonio Cristiani (Argentina)
Mr. Marc Dupuis (Canadá)
Mr. John Siverling (EEUU)
Ms. Gabriela Manriquez (México)
Mr. Jaime Llanes (México)
Mr. Diego Souto (Uruguay)

III. RESOLUTIONS

PCC.III/RES. 98 (XV-00)

AGENDA, VENUE AND DATE OF THE XVI MEETING

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

RESOLVES:

1. To hold the XVI meeting of PCC.III in Venezuela, August 28 – September 1, 2000.
2. To approve the draft agenda for the XVI PCC.III Meeting attached in the Annex.

ANNEX

1. Approval of the Agenda and Calendar.
2. Appointment of the Drafting Group for the Final Report.
3. Restructuring of the working methods of PCC.III.
4. Meeting and Report of Working Groups Chairs on the following topics:
 - 4.1 Report on the result of the World Radiocommunication Conference.
 - 4.2 Relative to satellite systems to provide fixed and mobile services.
 - 4.3 Broadband Wireless Systems in Frequency bands above 20 GHz.
 - 4.4 Terrestrial Wireless Access.
 - 4.5 To examine procedures for submitting joint proposals to the ITU-R.
5. Report of the tasks realized in coordination with ITU.
6. Situation of the developing databases.

7. Report on the result of the ITU Radiocommunication Assembly (RA-2000).
8. Agenda, Venue and Date of the XVII Meeting of PCC.III.
9. Other related matters.
10. Approval of the Final Report of the XVI Meeting.

PCC.III/RES. 99 (XV-00)

JOINT INTER-AMERICAN PROPOSALS TO WRC-2000

The XV Meeting of Permanent Consultative Committee III: Radiocommunications,

CONSIDERING:

- a) That during the XIV and XV Meetings of PCC. III held in San Diego, U.S.A., and in Mar del Plata, Argentina, several Joint Inter-American Proposals were adopted by the Administrations pursuant to the table in the annex, and
- b) That a series of proposals were also agreed upon which have not yet been supported by at least 5 countries (PCC. III RES 65 (X –98) “Procedures for submitting joint proposals/documents to the ITU-R”),

NOTING:

The significance of those proposals for Region Americas,

RESOLVES:

1. To request the Executive Secretariat to forward without delay the joint Inter-American Proposals to the ITU and the Administrations of the Member States.
2. To forward through the Executive Secretariat the document of draft joint Inter-American proposals, instructing the Administrations of CITEL that they should notify the Executive Secretary their intention to support any or all of the draft proposals by March 28th.

REQUESTS THE EXECUTIVE SECRETARIAT:

To inform Administrations that while the due deadline in this resolution must be strictly observed for the immediate submission to ITU of the proposals that may correspond, CITEL administrations can still support any of the proposals mentioned in the Annex or the draft inter-american proposals before or during the Conference.

TABLE OF SUPPORT TO THE INTER-AMERICAN PROPOSALS (IAP) 1-73

IAP #	Topic	Agenda item	A	A	B	B	B	B	B	C	C	C	C	D	E	S	G	G	G	H	H	J	M	N	P	P	P	D	S	L	V	S	T	U	U	V		
			T	R	A	R	L	O		A	H	L	M	A	Q	L	R	T	U	T	N	M	E	C	N	R	R	O	C	C	C	U	R	D	A	G	N	
1-8	Appendix S3	1.2	x						x	x		x			x	x																			x	x		
9-14	Proposal for the Confirmation of the Fixed Service Allocation in the 31.8-33.4 GHz Frequency Range (Resolution 126 and 726)	1.4	x						x	x		x	x		x	x		x																		x	x	
15	Identification of a global radio control channel to facilitate multimode terminal operation and worldwide roaming of IMT-2000	1.6.2	x						x	x		x	x		x	x		x					x				x									x	x	
16-41	Proposal to protect the operational, distress and safety communications in the HF bands used by the aeronautical mobile (R) and maritime mobile services	1.7	x						x	x		x	x		x	x							x													x	x	
42-45	Proposal for communications by earth stations on board vessels using frequencies allocated to the fixed-satellite service and used by existing space segment in the fixed-satellite service	1.8	x						x	x			x		x			x					x													x	x	x
46-47	Evaluation of the feasibility of an allocation in the space-to-Earth direction to the mobile-satellite service in a portion of the 1 559 - 1 567 MHz frequency range, in response to Resolutions 213 and 220 (WRC-97)	1.9	x						x	x		x	x		x								x													x	x	x
48-49	Proposal for the modification of S5.541A and the suppression of Resolution 121	1.12	x						x	x		x	x		x								x													x	x	
50-52	Remove the 15.43-15.63 GHz space-to-Earth allocation from the Tables of Article RR S5	1.14							x	x		x	x		x								x													x	x	
53-56	Proposal for worldwide allocation to the Earth exploration-satellite (passive) services in the band 18.6-18.8 GHz on a primary basis	1.17	x						x			x	x		x								x													x	x	
57-73	Proposal to modify Appendix S18 and Resolution 342	1.18							x			x	x		x								x													x	x	

IAP #	Topic	Agenda item	A	A	B	B	B	B	C	C	C	C	D	E	S	G	G	G	H	H	J	M	N	P	P	P	D	S	L	V	S	T	U	U	V	
			T	R	A	R	L	O	A	H	L	T	M	Q	L	R	T	U	T	N	M	E	C	N	R	R	O	C	C	A	T	R	D	A	G	N
74	Addition of country names of Region 2 in the footnotes to Table S5.293 and S5.480 of the ITU Radio Regulations	1.1	x						x						x	x						x												x	x	x
75-84	Modification of Recommendation 66 (Rev.WRC-97)	1.2	x				x		x		x				x	x		x																	x	x
85	A proposal for the suppression of Resolution 60	1.3	x				x		x		x	x			x	x		x																	x	x
86-106	Proposal for the addition of the Fixed-Satellite Service in the 40.5-42.5 GHz band in Region 1, Mobile-Satellite Service in the 40.5-41 GHz band and the Broadcast-Satellite Service in the 40-40.5 GHz band, and the use of the frequency range 37 – 43.5 GHz by terrestrial and satellite services	1.4	x				x		x		x	x			x	2							x												x	x
107	Proposal to modify Res 122, High Altitude Platform Stations in the fixed service	1.5	x				x				x	x										x												x	x	
108-110	Proposal to Identify Additional Spectrum for IMT-2000	1.6.1	x						x	x	x	x			x		x					x													x	x
111	Proposal for NOC in the 2 700 – 2 900 Band	1.6.1	x				x			x	x	x			x	x		x				x												x	x	x
112-117	Proposal to modify Footnotes S5.353A and S5.357A	1.10	x				x		x		x				x		x					x													x	x
118-123	Resolution 131 (WRC-97): Power Flux-Density limits applicable to non-GSO FSS systems for protection of terrestrial services in the bands 10.7 – 12.75 GHz and 17.7 – 19.3 GHz;	1.13.1	x						x	x		x			x							x													x	x
124	Inclusion in other frequency bands of similar limits in Articles S21 and S22, or other regulatory approaches to be applied in relation to sharing situations	1.13.2	x						x	x		x			x							x													x	x
125-126	Proposal for RNSS allocation (space-to-Earth) in the upper part of the band 960-1215 MHz	1.15.1	x				x		x	x	x	x										x													x	x

² Indicated support to MOD resolution 726, only.

IAP #	Topic	Agenda item	A	A	B	B	B	B	B	C	C	C	C	D	D	S	G	G	G	H	H	J	M	N	P	P	P	D	S	L	V	S	T	U	U	V						
			T	R	A	R	L	O	L	A	H	L	M	A	A	V	R	T	U	T	N	D	C	X	G	R	G	U	M	C	C	C	T	R	D	A	G	N				
127-128	Proposal for RNSS allocation (space-to-Earth) in the upper part of the band 1260-1300 MHz	1.15.1						x		x	x	x	x										x															x				
129-131	Proposal for RNSS (Earth-to-space) 5000 to 5010 MHz and (space-to-Earth) 5010-5030 MHz	1.15.1		x				x		x	x	x	x										x																x			
132-133	Proposal for RNSS (Earth-to-space) in the band 1300–1350 MHz	1.15.1		x				x		x	x	x	x										x																x			
134-135	Radionavigation-satellite service allocations in the bands 1 215 -1 260 and 1 559 - 1610 MHz	1.15.2		x						x		x	x										x															x	x	x		
136-228	Proposal to modify the allocations above 71 GHz	1.16		x				x	x	x	x	x	x										x																x	x		
229	Ensuring the protection of other radiocommunication services and Region 2 BSS against interference from any revisions to the Regions 1 and 3 Plan, and not requiring these services to provide greater protection to Regions 1 and 3 BSS than at present	1.19		x						x													x																x	x		
230	Radio Regulations Board's Rules of Procedure relating to the application of RR 2674/S23.13	1.19 bis		x				x	x	x													x																x	x	x	
231	PFD limits in Annex 1 to Appendix S30 (Sections 5b and 5c)	1.20		x						x	x													x																x	x	
232-233	Proposals to modify Resolution 27 (Rev.WRC-97) and Resolution 28 (WRC-95)	2		x				x	x	x																														x	x	
234	A proposal for the suppression of Resolution 63	4		x				x		x																														x	x	
235-236	Footnote S5.488																																								x	x

PCC.III/RES. 100 (XV-00)

SEMINAR ON IMT-2000

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

CONSIDERING:

- a) The interest expressed by participants during the IMT-2000 Seminar held in the course of the Fifteenth XV Meeting, and
- b) The need to delve into issues, and to afford Member States of CITELE access to the latest information regarding the different aspects of services of this nature,

RESOLVES:

1. To hold a "Seminar on IMT-2000" in conjunction with the XVI Meeting of the PCC.III.
2. To stipulate that coordination will be entrusted to an ITU representative.
3. To designate the Executive Secretary as liaison between CITELE and ITU for all issues concerning the Seminar and in particular for the drafting of the Agenda that will be circulated to all Member States and associate members.
4. To hold the Seminar in compliance with Resolution PCC.III/RES.86 (XII-99 "Concerning procedures for the organization of seminars").
5. To request administrations and associate members interested in participating in the Seminar to contact the Executive Secretary.

INSTRUCTS THE EXECUTIVE SECRETARIAT:

To forward this resolution to all Member States and associate members of CITELE, urging them to participate in the Seminar.

IV. RECOMMENDATIONS

PCC.III/REC. .57 (XV-00)³

LOCAL MULTIPOINT DISTRIBUTION/COMMUNICATION SYSTEMS (LMDS/LMCS) OPERATING AT FREQUENCIES AROUND 27 GHZ

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

CONSIDERING:

- a) That a Working Group was established at the Fifth Meeting of the Permanent Consultative Committee III in August 1996 to study the various aspects of the implementation of LMDS/LMCS in the Americas and that the terms of reference of this Working Group include the preparation of guidelines needed for the implementation of LMDS/LMCS in the Americas (see Resolution PCC.III/RES.35 (V-96));
- b) That at the Eleventh Meeting of the Permanent Consultative Committee III, the above Working Group was renamed to “Broadband Wireless Systems in the Fixed Service Operating in Frequency Bands above 20 GHz” with the same terms of reference (see Resolution PCC.III/RES. 76 (XI-98));
- c) That the implementation of wide band LMDS/LMCS can offer alternate multimedia distribution including video, telephone and data to residential and business subscribers;
- d) That there is a need to ensure that there is possibility for deployment of these new systems in the Americas, taking into account efficient use of the frequency spectrum and sharing of the bands among all allocated services;
- e) That the LMDS/LMCS are point-to-multipoint and point-to-point systems of the fixed service;
- f) That, in the Radio Regulations, there are shared allocations to the fixed service in the frequency bands 25.25-29.50 GHz and 31.0-31.3 GHz that can be considered for implementation of the LMDS/LMCS;
- g) That many CITELE Administrations have identified frequency ranges around 27 GHz for the operation of their LMCS/LMDS systems;
- h) That ITU-R Joint Rapporteur Group 7D/9D concluded that sharing between LMDS/LMCS and the Inter-Satellite Service in the band 25.25-27.5 GHz is feasible given the constraints set forth in ITU-R [Draft New Recommendation_7D-9D/TEMP/18 (Rev.1)-E] dated 2 February 2000, “*Technical and Operational Requirements that facilitate Sharing between Point-to-Multipoint Systems in the Fixed Service and the Inter-Satellite Service in the band 25.25-27.5 GHz*”;

³ Document PCC.III/doc.1632_i

- i) That a joint study carried out by one Administration and its industry concludes that in the frequency range 27.5-29.5 GHz, co-frequency sharing between point-to-multipoint LMDS/LMCS and the fixed satellite service (FSS) is deemed not possible due to issues concerning ubiquitous deployment of both services;
- j) That the above study, refer to considering i), also concluded that sharing is deemed possible between LMDS/LMCS hub-to-subscriber links and NGSO/MSS feeder links in the band 29.10-29.25 GHz under technical conditions included in [Document PCC.III/doc.xx/yy];
- k) That Article S.21 of the ITU Radio Regulations provides technical limits for the sharing of bands above 1 GHz by the Terrestrial and Space services, and
- l) That the deployment of LMDS/LMCS may be global in extent.

RECOGNIZING:

- a) That the Broadband Wireless Working Group is studying the various aspects of the implementation of LMDS/LMCS around 27 GHz in the Americas, and
- b) The convenience for the allocation of frequencies to provide economies of scale, minimize cross-border coordination, facilitate deployment and promote competition,

RECOMMENDS:

1. That CITEL Administrations contemplating implementation of LMDS/LMCS, should consider the following bands:

25.25 – 27.5 GHz	
27.5 – 28.35 GHz	
29.1 – 29.25 GHz	LMDS Hub-to-Subscriber Transmissions only
31.0 – 31.3 GHz;	

2. That LMCS/LMDS deployment in the band 25.25 – 27.5 GHz should be in accordance with ITU-R Draft New Recommendation 7D-9D/TEMP 18 (Rev.1)-E;
3. That CITEL Administrations choosing to implement LMCS/LMDS systems in the 27.5 – 28.35 GHz band give priority to these services over fixed satellite service use;
4. That CITEL Administrations consider the harmonization of spectrum usage for LMDS/LMCS around 27 GHz, taking into account the aforementioned compatibility studies between radio services which share the use of the bands on a co-primary basis.
5. This Recommendation to replace recommendation PCC.III/REC.35 (IX-97).

INSTRUCTS THE EXECUTIVE SECRETARIAT:

To inform the Administrations and associate members that this recommendation replaces PCC.III/REC.35 (IX-97).

V. LIST OF BASIC DOCUMENTS⁴

Summary Minutes of the Inaugural Session and the First Plenary Session:	PCC.III/doc.1615/00
Summary Minutes of the Second Plenary Session:	PCC.III/doc.1644/00
Summary Minutes of the Third Plenary Session and Closing Session:	PCC.III/doc.1652/00
List of Documents:	PCC.III/doc.1532/00 rev.5
List of Participants:	PCC.III/doc.1533/00 rev.2
Draft Final Report for the Meeting	PCC.III/doc.1649/00 rev.1

⁴ Document PCC.III/doc.1532rev.3