



**ORGANIZACION DE LOS ESTADOS AMERICANOS
ORGANIZATION OF AMERICAN STATES**

**Comisión Interamericana de Telecomunicaciones
Inter-American Telecommunication Commission**

**III MEETING OF PERMANENT
CONSULTATIVE COMMITTEE II:
RADIOCOMMUNICATIONS
INCLUDING BROADCASTING
July 19-22, 2004
Orlando, Florida, United States**

**OEA/Ser.L/XVII.4.2
CCP.II-RADIO/ doc 477/04 rev.1 cor.1
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FINAL REPORT

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FINAL REPORT

III MEETING OF THE PERMANENT CONSULTATIVE COMMITTEE II: RADIOCOMMUNICATIONS INCLUDING BROADCASTING

The III Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting was held in Orlando, Florida, United States, July 19 to 22, 2004.

I. AGENDA ¹

1. Approval of the Agenda and Calendar.
2. Appointment of the Drafting Group for the Final Report.
3. Working methods of PCC.II.
4. Meeting and Report of Working Groups and Ad Hoc Groups on the following topics:
 - 4.1 Regional and World Radiocommunication Conferences.
 - 4.2 Terrestrial Fixed and Mobile Radiocommunication Services.
 - 4.3 Satellite systems to provide fixed and mobile services.
 - 4.4 Broadcasting.
 - 4.5 Coordination of the activities resulting from the AHCIET proposed study.
5. Report of the tasks realized in coordination with ITU.
6. Agenda, Venue and Date of the IV Meeting of PCC.II.
7. Other matters.
8. Approval of the Final Report of the III Meeting.

II. AUTHORITIES OF THE MEETING

Chair: Mr. Mikhail Marsiglia (Venezuela)
Vice-Chairs: Mr. Héctor Carril (Argentina)
Mr. Carlos Merchán (México)
Mr. Henry Batson (Jamaica)

Executive Secretary: Mr. Clovis Baptista (CITEL)

Drafting Group:

¹ Document CCP.II-RADIO/doc.457/04 rev.4
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|----------------|------------------------------------|
| Chair | Mr. Ralph Robles (United States) |
| Members | Mr. Sergio Chiacchio (Argentina) |
| | Mr. William Davies (Canada) |
| | Mr. Edison Ayala Vinueza (Ecuador) |
| | Mr. John Woods (United States) |
| | Ms. Molly Gavin (United States) |
| | Ms. Teresa Álvarez (Venezuela) |

III. RESOLUTIONS

PCC.II/RES. 14 (III-04)²

COMPLIANCE WITH THE PROVISIONS OF THE REGIONAL AGREEMENT ON MEDIUM FREQUENCY BROADCASTING SERVICES IN REGION 2

The III Meeting of the Permanent Consultative Committee II: Telecommunications including Broadcasting,

CONSIDERING:

- a) The advances in the development of the Digital Audio Broadcasting (DAB) system that operates in the band and in the same channel (*In-Band On-Channel: IBOC*) and the current state of its terrestrial introduction in the United States, in which, to date, out of the 75 stations that have already converted from an analog to a digital system, approximately 25% function in the AM band and the rest in FM;
- b) That undesired IBOC signals, in particular nighttime sky-wave, have a possibility of interfering with AM analog signals; and
- c) That domestic regulations and international agreements do not necessarily contain the same protection criteria, resulting in the possibility of interference being caused to AM stations operating in accordance with international agreements,

RECOGNIZING:

That AM stations employing hybrid digital broadcasting (AM-IBOC) services may use bandwidths and classes of emission that do not conform to the provisions of the Regional Agreement for Medium Frequency Broadcasting services in Region 2 (Río 1981) and relevant bilateral agreements signed between administrations,

FURTHER RECOGNIZING:

That such hybrid digital transmissions may cause additional interference (including different modes of interference) to AM stations operating in accordance with the Region 2 Agreement (Río 1981),

² Document CCP.II-RADIO /doc.462/04 rev.1cor.1

RESOLVES:

1. That PCC.II carry out on an urgent basis the necessary technical studies to characterize and quantify the interference from AM stations employing hybrid digital transmissions into AM stations operating in accordance with the Region 2 Agreement (Río 1981).
2. That Administrations planning to implement hybrid digital transmissions shall provide, upon request, technical assistance to CITEL administrations in order to facilitate the evaluation of interference; and
3. That Administrations implementing hybrid digital transmissions on an interim basis shall only do so on a Non-Interfering-Basis (NIB) and such administrations shall immediately cease such hybrid transmissions if cases of interference into AM stations operating in accordance with the Region 2 Agreement (Río 1981) are reported.

PCC.II/RES. 15 (III-04)³
**THE DESIRABILITY AND TIMELINESS OF DEVELOPING AND EXECUTING AN ACTION
PLAN FOR SUPPORTING THE IMPLEMENTATION OF DIGITAL TERRESTRIAL
TELEVISION BROADCASTING IN THE AMERICAS**

The III Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting,

CONSIDERING:

- a) That Resolution PCC.II/RES. 11 (II-03), adopted in October 2003, resolved, among other things:
 - “2. To work together to encourage the successful transition from analogue to digital terrestrial television technology as rapidly as possible, recognizing the economic and social conditions in individual countries.
 3. To continue to assist Member States in expediting the implementation of a common hemispheric standard for Terrestrial Digital Television broadcasting.”
- b) That a number of countries in the Americas region have been examining the benefits of Digital Terrestrial Television broadcasting for several years, and that extensive testing of DTT systems has been conducted in some countries in the region, and that DTT services have already been deployed in some of these countries; and
- c) That countries that have not yet begun the transition to DTT broadcasting could benefit from understanding the policies and experiences of those that have gone ahead,

³ Document CCP.II-RADIO /doc.466/04 rev.1

RECOGNIZING:

That the specific needs, goals and conditions in each Member State may well warrant unique approaches for individual countries;

RESOLVES:

1. To conduct a work program between now and the end of 2005 to support the CITEL Member States in their efforts *i)* to establish goals and to define policies for the implementation of Digital Terrestrial Television broadcasting, and *ii)* to develop their individual plans for the implementation of DTT services; and to assist the Member States with the actual implementation of those plans.
2. That such work program will include the development of a DTT Implementation Guide, for which a draft outline is attached in the Annex.
3. That the outline of this Implementation Guide will be completed by the end of 2004, and that further contributions of the Member States will be incorporated into the Guide during 2004 and 2005, and that a finished Guide will be completed by the end of 2005, making heavy use of an electronic forum to gather and evaluate relevant inputs between scheduled meetings of PCC.II.
4. That the completed Guide will continue to be updated and expanded to include new information and the experiences of additional countries, and that the Guide will be reissued from time to time after 2005 to reflect this additional information.

ANNEX TO RESOLUTION PCC.II/RES. 15 (III-04)
DRAFT OUTLINE
DIGITAL TERRESTRIAL TELEVISION BROADCASTING IMPLEMENTATION GUIDE

TABLE OF CONTENTS

- 1. Introduction and Background**
 - 1.1 Benefits of Digital Terrestrial Television (DTT) Broadcasting
 - 1.2 CITEL’s Guide to assist with the development of national DTT policies and DTT implementation (explains the purpose of this guide)
- 2. National Goals for DTT Broadcasting**
 - 2.1 Assessing the unique needs and goals of your nation with respect to DTT broadcasting
 - 2.1.1 National Approaches for determining needs, goals and policies
 - 2.1.1.1 Argentine approach
 - 2.1.1.2 Brazilian approach
 - 2.1.1.3 Canadian approach
 - 2.1.1.4 Mexican approach
 - 2.1.1.5 U.S. approach
 - 2.1.1.6 (add others in alphabetical order as they become available)
 - 2.2 Providing access to free over-the-air television to all citizens
 - 2.3 Upgrading the video and audio technical quality of television broadcasts
 - 2.4 Expanding the quantity and variety of broadcast TV services, including revolutionary new information services

- 2.5 Addressing pressing social problems in education, health care, public safety, etc. Promoting social inclusion and the universal availability of innovative DTT services
- 2.6 Achieving more efficient use of the broadcast television spectrum, including the possibility of recovering spectrum for new uses
- 2.7 Adopting a flexible DTT system that provides affordable solutions that meet national goals
- 2.8 Other goals

3. National Policies for DTT Broadcasting

- 3.1 Eligibility for DTT licenses
 - 3.1.1 Existing broadcasters, new entrants, others?
- 3.2 Procedures for awarding DTT licenses and DTT channel assignments
- 3.3 Terms and conditions for DTT licenses
 - 3.3.1 Linked to analog TV license, or separate?
 - 3.3.2 Duration of license, eligibility for renewal
- 3.4 Scope of permitted terrestrial DTT services
 - 3.4.1 Public interest obligations?
 - 3.4.2 Minimum service requirements, hours of operation
 - 3.4.3 Degree of flexibility afforded to DTT broadcasters
 - 3.4.4 Requirements for high-definition or other types of services?
 - 3.4.5 Pay services? Spectrum use fees for any pay services?
 - 3.4.6 Requirements to carry analog TV programming on digital channels?
- 3.5 Transition plans and timetables
 - 3.5.1 Rationale and timetable for making DTT channel allotments and assignments
 - 3.5.2 Construction deadlines for stations. Vary by size of market?
 - 3.5.3 Goals and/or deadlines for cessation of analog TV broadcasts and recapture and reuse of spectrum
- 3.6 Expediting the DTT transition
 - 3.6.1 Engendering production of value-added programming
 - 3.6.2 Engendering program distribution
 - 3.6.2.1 Requirements for carriage of terrestrial broadcasts over other transmission media, e.g., cable, satellite and MMDS
 - 3.6.3 Engendering distribution of consumer equipment
 - 3.6.3.1 Requirements for DTT receivers and other consumer electronics products
 - 3.1.6.1.1 Requirement for all-format decoding
 - 3.1.6.1.2 Requirements for reception and decoding capability in all receivers
 - 3.1.6.1.3 Potential performance requirements for receivers
 - 3.1.6.1.4 Compatibility with other transmission media, e.g., cable, satellite and MMDS

4. Spectrum Planning for DTT Broadcasting

- 4.1. Principles for channel planning
 - 4.1.1 Coverage and service availability objectives
- 4.2. Channel planning parameters
- 4.3. Algorithms and software tools for channel planning

5. National Experiences and Approaches to DTT Planning and Implementation

- 5.1 Argentina
- 5.2 Brazil
- 5.3 Canada
- 5.4 Mexico

- 5.5 United States
- 5.6 (add others in alphabetical order as they become available)

6. Examples of DTT Services, Applications and Implementation Approaches

- 6.1 CBS (Attachment 6-1)
- 6.2 WRAL (Attachment 6-2)
- 6.3 APTS (Attachment 6-3)
- 6.4 Implementation Approaches and Cost Implications
- 6.5 Others

Appendix 1

ATSC Standards, Recommended Practices, and Implementation Guidelines to Support DTT Broadcasting in the Americas

- 1.1. Overview of ATSC Standards and Standards Activities – Mark Richer (Appendix 1-1)
- 1.2. Guide to DTV Standards (Appendix 1-2)
- 1.3. ATSC Standard A/52A: Digital Audio Compression (AC-3) Standard, Rev. A (Appendix 1-3)
- 1.4. ATSC Standard A/53B with Amendments 1 and 2: ATSC Digital Television Standard, Rev. B (Appendix 1-4)
- 1.5. ATSC Recommended Practice A/54A: Guide to the Use of the ATSC Digital Television Standard (Appendix 1-5)
- 1.6. Approved Proposed Standard A/57A: Content Identification and Labeling for ATSC Transport (Appendix 1-6)
- 1.7. ATSC Standard A/64A: Transmission Measurement and Compliance for Digital Television, Rev. A (Appendix 1-7)
- 1.8. ATSC Standard A/65B: Program and System Information Protocol for Terrestrial Broadcast and Cable, Rev. B (Appendix 1-8)
- 1.9. ATSC Recommended Practice A/69: Program and System Information Protocol Implementation Guidelines for Broadcasters (Appendix 1-9)
- 1.10. ATSC Standard A/70: Conditional Access System for Terrestrial Broadcast with Amendment (Appendix 1-10)
- 1.11. ATSC Standard A/80: Modulation and Coding Requirements for Digital TV (DTV) Applications Over Satellite (Appendix 1-11)
- 1.12. ATSC Standard A/81: Direct-to-Home Satellite Broadcast Standard (Appendix 1-12)
- 1.13. ATSC Standard A/90 with Amendment 1 and Corrigendums 1 and 2: Data Broadcast Standard (Appendix 1-13)
- 1.14. ATSC Recommended Practice A/91: Implementation Guidelines for the Data Broadcast Standard (Appendix 1-14)
- 1.15. ATSC Standard A/92: Delivery of IP Multicast Sessions over Data Broadcast Standard (Appendix 1-15)
- 1.16. ATSC Standard A/93: Synchronized/Asynchronous Trigger Standard (Appendix 1-16)
- 1.17. ATSC Standard A/94: ATSC Data Application Reference Model (Appendix 1-17)
- 1.18. ATSC Standard A/95: Transport Stream File System Standard (Appendix 1-18)

- 1.19. ATSC Standard A/96: ATSC Interaction Channel Protocols (Appendix 1-19)
- 1.20. ATSC Standard A/100: DTV Application Software Environment - Level 1 (DASE-1)
 - 1.20.1. A/100-1, DASE-1 Part 1: Introduction, Architecture, and Common Facilities (Appendix 1-20.1)
 - 1.20.2. A/100-2, DASE-1 Part 2: Declarative Applications Environment (Appendix 1-20.2)
 - 1.20.3. A/100-3, DASE-1 Part 3: Procedural Applications and Environment (Appendix 1-20.3)
 - 1.20.4. A/100-4, DASE-1 Part 4: Applications Programming Interface (Appendix 1-20.4)
 - 1.20.5. A/100-5, DASE-1 Part 5: ZIP Archive Resource Format (Appendix 1-20.5)
 - 1.20.6. A/100-6, DASE-1 Part 6: Security (Appendix 1-20.6)
 - 1.20.7. A/100-7, DASE-1 Part 7: Application Delivery System - ARM Binding (Appendix 1-20.7)
 - 1.20.8. A/100-8, DASE-1 Part 8: Conformance (Appendix 1-20.8)
- 1.21. ATSC Candidate Standard CS/T3-606: Amendment No. 1 to ATSC Standard: Program and System Information Protocol for Terrestrial Broadcast and Cable (Doc. A/65B) (Appendix 1-21)
- 1.22. ATSC Candidate Standard CS/75: Programming Metadata Communication Protocol Standard (Appendix 1-22)
- 1.23. ATSC Candidate Standard CS/101: Advanced Common Application Platform (ACAP) (Appendix 1-23)
- 1.24. ATSC Candidate Standard CS/110A: Synchronization Standard for Distributed Transmission (Appendix 1-24)
- 1.25. ATSC Recommended Practice A/58: Harmonization with DVB SI in the Use of the ATSC Digital Television Standard (Appendix 1-25)
- 1.26. ATSC Recommended Practice A/75: Developing DTV Field Test Plans (Appendix 1-26)
- 1.27. Working Draft Annex D of ATSC Standard A/53B – Revision 4 – Enhanced VSB (Appendix 1-27)
- 1.28. Implementation Guideline: Relative Timing of Sound and Vision for Broadcast Operations (Appendix 1-28)
- 1.29. Implementation Guideline: Report on Latency and Timing Issues (Appendix 1-29)
- 1.30. Implementation Guideline: DTV Frequently Asked Questions (Appendix 1-30)
- 1.31. Implementation Guideline: DTV Transport and Data Interfaces (Appendix 1-31)
- 1.32. Implementation Guideline: Essential Information to be Carried in DTV Program Streams (Appendix 1-32)
- 1.33. Implementation Guideline: Program Interchange Identification Requirements and Solutions (Appendix 1-33)
- 1.34. Implementation Guideline: PTS Time Stamping AC-3 Bit Streams (Appendix 1-34)
- 1.35. Implementation Guideline: Implementation of Data Broadcasting in a DTV Station (Appendix 1-35)
- 1.36. Implementation Guideline: Top Down Summary Report (Appendix 1-36)

PCC.II/RES.16 (III-04)⁴
AGENDA, VENUE AND DATE FOR THE IV MEETING

The III Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting,

RESOLVES,

1. To hold the IV Meeting of PCC.II from December 6 to 9 in Argentina.
2. Approve the draft agenda for the IV Meeting which is attached as an Annex.

ANNEX TO RESOLUTION PCC.II/RES.16 (III-04)

1. Approval of the Agenda and Calendar.
2. Appointment of the Drafting Group for the Final Report.
3. Working methods of PCC.II.
4. Meeting and Report of Working Groups and Ad Hoc Groups on the following topics:
 - 4.1 [Regional and World Radiocommunication Conferences.](#)
 - 4.2 [Terrestrial Fixed and Mobile Radiocommunication Services.](#)
 - 4.3 [Satellite systems to provide fixed and mobile services.](#)
 - 4.4 [Broadcasting.](#)
 - 4.5 Coordination of the activities resulting from the AHCIET proposed study.
5. Report of the tasks performed in coordination with ITU.
6. Agenda, Venue and Date of the V Meeting of PCC.II.
7. Other matters.
8. Approval of the Final Report of the IV Meeting.

⁴ Document CCP.II-RADIO /doc.463/04 rev.1

4.1 Draft Agenda of the Working Party on Regional and World Radiocommunication Conferences

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|----|--|--|
| 1. | Presentation and approval of the agenda | |
| 2. | Working methods | |
| 3. | Structure of the Working Party and assignment of functions to Coordinators and Rapporteurs | |
| 4. | Assignment of documents to the subgroups | |
| | SGT 1 | 1.2, 1.3, 1.5, 1.6, 1.13, 1.14, 1.15, 1.16, 1.20 |
| | SGT 2 | 1.7, 1.8, 1.10, 1.11, 1.17, 1.18, 1.19, 1.21 |
| | SGT 3 | 1.1, 1.12, 2, 3, 4, 5, 6, 7.1 |
| | SGT 4 | 1.4, 1.9 |
| | SGT – AD-HOC | 7.2 |
| 5. | Reports of the spokespersons to other organization's meetings | |
| 6. | Other matters | |

4.2 Draft Agenda of the Working Party on Terrestrial Fixed and Mobile Radiocommunication Services

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|-----|---|
| 1. | Opening remarks |
| 2. | Approval of the agenda |
| 3. | Use of 450 MHz band, |
| 4. | RLAN in 5 GHz band, |
| 5. | Answer to Market questionnaire on IMT 2000 and systems beyond, |
| 6. | Revision to Recommendation CCP.II/REC. 67 (XIX-01) on Low Power Radiocommunication devices, |
| 7. | 2.6 GHz band plan, |
| 8. | Radio frequency identification devices (RFID) |
| 9. | Inputs from AHCIET |
| 10. | Other business |

4.3 Draft Agenda of the Working Party on Satellite systems to provide fixed and mobile services

| | |
|----|---|
| 1. | Approval of the agenda |
| 2. | Guidelines for the harmonization of licenses for global mobile personal communications systems (GMPCS) |
| 3. | Considerations on the authorization of broadband communication services by networks of the aeronautical mobile-satellite service (AMSS) |
| 4. | Procedures to be followed for authorization of earth stations on board vessels (ESV) |

| | |
|----|--|
| 5. | Implementation of regulations providing for the deployment of satellite services |
| 6. | Other business |

Notes:

1. For Item 2, a document on the Framework for Guidelines on harmonized Licensing of GMPCS Systems” is available in the CITELEL electronic forum, REGSAT discussion group. Also in the III Meeting of PCC.II it was decided to send said document to the Administrations for review and comment, which will be considered during the IV Meeting of PCC.II.
2. For Item 4, in the CITELEL electronic forum there is now an ESVGROUPEL discussion group, which contains the working documents and it is hoped that for the IV meeting of PCC.II, the working sub-group in charge of development of the procedures to be used for ESV authorization will submit a report with the results of the work done by the sub-group.
3. For Item 5, a working sub-group was created for the development of procedures and guidelines for block or generic licensing of earth stations. Said sub-group will use the CITELEL electronic forum for its activities and it is hoped that they will submit a report with the results of the work done by the sub-group for the IV of PCC.II.

4.4 Draft Agenda of the Working Party on Broadcasting

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|----|--|
| 1. | Opening remarks |
| 2. | Approval of the agenda |
| 3. | Reports of the Rapporteurs |
| | a. Río de Janeiro 1981 Plan |
| | b. Digital Television |
| | c. Digital Sound Broadcasting |
| 4. | Establish and schedule the duties of the working subgroups |
| 5. | Attribution of documents |
| 6. | Consideration of the results of the tasks of the working subgroups |
| 7. | Future work |
| 8. | Other business |

PCC.II/RES. 17 (III-04)⁵
**ESTABLISHMENT OF AN RAPPORTEUR GROUP ON THE TECHNICAL AND
REGULATORY ASPECTS RELATED TO THE EFFECTS OF ELECTROMAGNETIC NON-
IONIZING EMISSIONS**

The III meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting,

WHEREAS:

- a) That by virtue of the continuing evolution of technologies used in wireless communication, the demand for the installation of antennas has increased, especially in highly populated areas; and
- b) That the population is concerned with the possible effects of non-ionizing emissions, specifically due to the proliferation of antennas,

CONSIDERING:

- a) That the duty of the telecommunication authorities is to establish technical regulations for the use of the radioelectric spectrum;
- b) That it is important that the population have adequate information on the regulations in force regarding radioelectric emissions;
- c) That the Administrations of the Americas are interested in having scientific information for the development of its own regulations; and
- d) That the gathering of information will contribute to the availability of more background for decision-making of CITEL members,

RECOGNIZING:

- a) That in PCC.II the Administrations and Associate Members may have useful information regarding this issue; and
- b) That it is advantageous to share information among CITEL member countries,

RESOLVES:

1. Establish a Rapporteur Group ascribed to the Chair of PCC.II for the gathering of information on the technical and regulatory aspects related to the effects of electromagnetic non-ionizing emissions, as per the attached terms of reference.
2. Establish that the work of this Rapporteur Group must be completed prior to the VI PCC.II Meeting.

⁵ Document CCP.II-RADIO /doc.451/04 rev.2

3. Appoint Mr. Hector Carril (Argentina) as Rapporteur, and Mr. Marc Girouard (Canada), Mr. Claudio Palomares Sartor (Peru) and Mr. Maximiliano Martinhao (Brazil) as Alternate Rapporteurs.

ANNEX TO RESOLUTION PCC.II/RES. 17 (III-04)

TERMS OF REFERENCE

**RAPPORTEUR GROUP ON THE TECHNICAL AND REGULATORY ASPECTS REFERENT
TO THE EFFECTS OF ELECTROMAGNETIC NON-IONIZING EMISSIONS**

- Compile the available information and regulations of the following organizations with respect to the effects of non-ionizing radiation and the established technical STANDARDS:

World Health Organization
Pan American Health Organization
International Telecommunication Union.

- Develop a compilation of the existing regulations on electromagnetic radiation in the various Administrations of the Region and other Regions.
- Identify additional sources of information and submit them to the consideration of PCC.II at the IV Meeting of PCC.II.
- Post the final report in the CITELE Webpage.

IV. RECOMMENDATIONS

PCC.II/REC. 7 (III-04)⁶
**FREQUENCY ARRANGEMENTS FOR IMPLEMENTATION OF THE TERRESTRIAL
COMPONENT OF INTERNATIONAL MOBILE TELECOMMUNICATION 2000 (IMT-2000) IN
THE BANDS OF 2500 – 2690 MHZ**

The III Meeting of the Permanent Consultative Committee II: Radiocommunication including Broadcasting,

CONSIDERING:

- a) That Fixed and mobile services are allocated within the Americas Region, in the band 2500-2690 MHz;
- b) That Administrations in the Americas Region have informed that currently no intention to change the current allocation is envisaged;
- c) That within the Americas Region, the band 2500-2690 MHz has been used in provision of different services, mainly distribution services, such as Multichannel Distribution Services;
- d) That the existing technology in the frequency band 2500-2690 MHz has been submitted to a digitalizing process, thus providing opportunities to deliver new services and promoting greater spectrum efficiency;
- e) That existing operators in the 2500-2690 MHz band wish to deliver new services as an alternative to the competition from other operators employing other technologies;
- f) That the band 2500-2690 MHz has a great potential to be globally harmonized for IMT-2000 systems; and
- g) That the WRC-2000 identified bands 2500-2520 MHz and 2670-2690 MHz for both IMT-2000 components,

FURTHER CONSIDERING:

- a) That the introduction of the Mobile Satellite Service in bands 2500-2520 MHz and 2670-2690 MHz might demand sharing studies, the use of large guard bands, and restricted use of the remaining part of the 2500-2690 MHz band;
- b) That in order to have spectrum efficiency the use of guard bands should be kept at minimum;
- c) That frequency arrangements allow for an effective and efficient use of the spectrum;

⁶ Document CCP.II-RADIO /doc.461/04 rev.1

- d) That frequency arrangements should accommodate the available technologies, symmetric/asymmetric traffic, and FDD/TDD systems in the 2500-2690 MHz band;
- e) That frequency arrangements should accommodate the digitalization of existing systems in the 2500-2690 MHz band, in addition to the introduction of new applications, such as RLANs and IMT-2000; and
- f) That frequency arrangements would facilitate the worldwide roaming of IMT-2000 terminals and the development of IMT-2000,

RECOMMENDS:

1. That those CITELE Administrations planning the implementation of IMT-2000 in the band 2500-2690 MHz , either of the entire band or part of it, should consider only the use of the terrestrial component of IMT-2000;
2. That CITELE Administrations planning the implementation of IMT-2000 take into account that frequency arrangements in that band should include a central block of at least 50 Mhz.
3. That, in order to achieve efficient equipment standardization in the upper and lower blocks, CITELE Administrations planning the implementation of IMT-2000 in the 2500-2690 MHz band ensure that any guard band should be taken from the central block.

V. DECISIONS

The III meeting of the Permanent Consultative Committee II: Telecommunications including Broadcasting,

DECIDES:

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| <p>PCC.II/DEC. 10 (III-04)⁷</p> | <ol style="list-style-type: none">1. To instruct the Secretariat of CITELE to send the questionnaire in the Annex to Administrations inviting them to send the respective answers to the CITELE Secretariat of CITELE no later than September 15, 2004.2. To request the Chair of the Working Group relative to Satellite Systems to provide fixed and mobile services to consolidate, review and analyze the received information, and post the resulting report on the Discussion Group REGSAT of the CITELE Electronic Forum (“Development of Broadband services via Satellite in the Americas”) for proper consideration and comment by Administrations prior to the IV Meeting of PCC.II. <p>ANNEX TO DECISION PCC.II/DEC. 10 (III-04)</p> <p><i>Questionnaire “Status of Regulatory Regimes for the Deployment of Broadband Services via Satellite in the Americas”</i></p> <p>The Third Summit of the Americas (Quebec 2001) requested “ministries or departments responsible for telecommunications and appropriate regulatory bodies to cooperate, within CITELE, in order to clarify and simplify rules governing the provision of satellite services in our countries...” and to promote “...the modernization and expansion of telecommunications infrastructure in rural and urban areas through timely introduction of new technologies and services, in particular broadband technologies...”</p> <p>The Second Meeting of PCC.II held in October 2003, by recommendation PCC.II/REC. 6 (II-03, encouraged Administrations to consider the possibility of including in their national regulations concepts associated with fostering the deployment of broadband services via satellite.</p> <p>In light of these actions and of the need for CITELE to respond to the Fourth Summit of the Americas in 2005, Administrations are kindly invited to answer the following questions, including appropriate legislative and regulatory references:</p> |
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⁷ Document CCP.II-RADIO /doc.453/04 rev.1

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| | <ol style="list-style-type: none"> 1. <u>Contact Person:</u> Please provide contact information for a person within your Administration that may be contacted regarding the information you have provided. 2. <u>“Block” or “Generic” Earth Station Licensing:</u> Does your administration grant “block” or “generic” satellite earth station licensing? If so, are these licenses site-specific or non-site-specific? 3. <u>Regional or International Hub Requirements:</u> Does your administration permit VSAT networks to operate with hubs located outside your national territory? 4. <u>Availability of Procedures, Regulations, and Applications On-Line:</u> Does your Administration post the national laws and regulations related to satellite and earth station services on the Internet? Can satellite and earth station licenses be applied via Internet? Please provide the appropriate links. 5. <u>Landing Rights:</u> In order to provide satellite capacity or satellite services within your national territory, does your Administration require the presentation of information beyond the technical information that is available from the ITU? If so, please describe your national procedures. 6. <u>Local Presence Requirements:</u> Does your Administration require foreign companies to have local representation in order to provide satellite capacity or satellite network services in the national territory? If so, please describe such requirements. 7. <u>Consumer Protection / Public Safety:</u> In what ways does your Administration provide public information on customer rights, quality of service, authorized operators, public safety and health protection related to the equipments used in the provision of satellite services? 8. <u>Additional Means of Promoting Satellite Broadband Deployment:</u> What programs does your Administration have that foster the deployment of satellite services to rural, remote, underserved communities, and for other special social purposes? 9. <u>Equipments Certification and Homologation:</u> What measures has your Administration implemented to eliminate the duplication of the homologation and certification processes for satellite-related equipment to be used in your national territory? |
| PCC.II/DEC. 11 (III-04) ⁸ | To appoint Mr. Marc Girouard (Tel. +1 (613) 990-4770, Fax. +1 (613) |

⁸ Document CCP.II-RADIO /doc.454/04 rev.1

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| | 991-3961,girouard.marc.dgse@ic.gc.ca) as a Rapporteur in Ultra Wide Band (UWB) to bring information to CITELE PCC.II on the activities in ITU-R TG 1/8. |
| PCC.II/DEC. 12 (III-04) ⁹ | To instruct the Secretariat of CITELE to distribute to the Member States and associate members the ITU-R Circular Letter and associated questionnaire included in document CCP.II-RADIO /doc. 454/04 rev.1 on the “Services and Market for the future development of IMT-2000 and systems beyond IMT-2000”, inviting them to forward their comments to the CITELE Secretariat, and to the ITU-R WP 8F regional coordinator for Region 2, Mr. Celedonio von Wuthenau (Tel. +1 (714) 545-5211, Fax. +1 (714) 545-4601,e.mail: cvwuthenau@cdg.org). |
| PCC.II/DEC. 13 (III-04) ¹⁰ | To request and instruct the Secretariat of CITELE to send to the Member States and associate members the request for information on use of the 410-430 MHz and 450-470 MHz bands for fixed and mobile services in the Americas (annex to document CCP.II-RADIO/doc.457/04) asking them to respond to the CITELE Secretariat and the Rapporteur for this activity, Mr. Marc Girouard (Tel. +1 (613) 990-4770, Fax. +1 (613) 991-3961,girouard.marc.dgse@ic.gc.ca), preferably at least 4 weeks prior to the next meeting of PCC.II. |
| PCC.II/DEC. 14 (III-04) ¹¹ | To instruct the Secretariat of CITELE to distribution of document CCP.II-RADIO /doc.465/04 which contains the Report of the Sub-Working Group on 5 GHz Wireless Access Systems (WAS), about the conclusions reached during its first meeting, requesting the Members of PCC.II to make comments to Mr. Héctor Budé (Tel. +598 (2) 902 8082 /ext.163, Fax. +598 (2) 9024120, hbude@ursec.gub.uy) so as to be able to finish the work during the next Meeting. |
| PCC.II/DEC. 15 (III-04) ¹² | <ol style="list-style-type: none"> 1. To instruct the CITELE Secretariat to send document CCP.II-RADIO /doc.368/04cor.1, “Framework For Guidelines on Harmonized Licensing of GMPCS Systems” to CITELE Administrations for comments. 2. To instruct the CITELE Secretariat to include this document on the REGSAT discussion group of the CITELE Electronic Forum to receive comments in time for the IV meeting of PCC.II. |

⁹ Document CCP.II-RADIO /doc.454/04 rev.1

¹⁰ Document CCP.II-RADIO /doc.454/04 rev.1 and CCP.II-RADIO /doc.457/04

¹¹ Document CCP.II-RADIO /doc.454/04 rev.1

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| <p>PCC.II/DEC.16 (III-04) ¹³</p> | <p>To instruct the Secretariat of CITELE to send a note to those interested in the publication of the Wireless Broadband Access Seminar proceedings, to request sponsorship for the publication, especially to presenters, seminar participants and others that may be interested. The details of the publication are included in document CCP.II-RADIO/doc.436/04 rev.1.</p> |
| <p>PCC.II/DEC.17 (III-04) ¹⁴</p> | <ol style="list-style-type: none"> 1. To instruct the Chairs of the Working Groups, Sub-Groups and Rapporteur Groups to include in their final report a Draft Agenda of the items to be discussed in the next meeting of PCC.II and its Working Groups, with all available detail including descriptions of subjects, tasks and expected results to be considered. 2. To instruct the Secretariat of CITELE to circulate the Draft Agenda to all the Members and Associate Members of PCC.II no later than 5 days after the conclusion of the PCC.II meeting. 3. To include in the circular letter an invitation to submit contributions on each one of the topics contained in it, either by email (citel@oas.org) or through electronic forums created within CITELE. 4. To instruct the Chairs of the Working Groups to coordinate prior the meeting of their Working Groups, with those members of CITELE, that for any reason are unable to participate in said meeting and thus request it, the due presentation and consideration of their contributions when these contain action items that are to be considered by the Working Group. In the case of Information Documents, these may be submitted by the Chair or Vice-Chair of the Working Group. 5. The deadline for submission of documents is one week prior to the date on which the meeting is scheduled to begin, not including the first day. Documents received thereafter shall be carried forward to the next PCC.II meeting. 6. In order to ensure the translation of input documents, Administrations are required to submit their contributions up to two weeks prior to the beginning of the meeting. Documents submitted thereafter may not be translated. |
| <p>PCC.II/DEC.18 (III-04) ¹⁵</p> | <p>To instruct the CITELE Secretariat to continue with the preparation of the</p> |

¹² Document CCP.II-RADIO /doc.470/04 rev.1

¹³ Document CCP.II-RADIO /doc.473/04

¹⁴ Document CCP.II-RADIO /doc.450/04 rev.1

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| | database of wireless systems in the region, which would be submitted for review to the members at the IV meeting of PCC.II. |
| PCC.II/DEC.19 (III-04) ¹⁶ | <ol style="list-style-type: none"> 1. To establish a Working Sub-Group under the Working Group relative to Satellite Systems to provide Fixed and Mobile Services to develop common procedures and guidelines for Block or Generic Earth Station Licensing, that could be used by CITELE Administrations for the licensing of FSS earth stations operating in up link frequency bands not shared with other services. 2. To encourage CITELE Administrations and satellite operators to participate in the Sub Working Group that shall use the electronic forum of CITELE as a working tool. 3. To appoint Mr. Ricardo Fontes (Tel. +55 (21) 519 9340, Fax. +55 (21) 519 9321, rfontes@starone.com.br) as coordinator of this group. |
| PCC.II/DEC. 20 (III-04) ¹⁷ | To request the Secretariat of CITELE to create a discussion forum in the electronic forum of CITELE named CITELE-RADAR AND RADIONAVIGATION (RADARNAV) with Mr. David J. Reed (Tel. +1 (703) 3250102, Fax. +1 (703) 3250191, reedd@ncr.disa.mil) as coordinator, to assist CITELE members to share information dealing with radar, radionavigation issues and related matters, especially those under consideration within ITU-R Working Party 8B not dealing with WRC agenda items. To invite the members to join this forum. |

VI. LIST OF BASIC DOCUMENTS

Summary Minutes of the Inaugural Session and the First Plenary Session:

CCP.II-RADIO /doc.443/04

Summary Minutes of the Second Plenary Session:

CCP.II-RADIO /doc. 460/04

Summary Minutes of the Third Plenary Session and Closing Session:

CCP.II-RADIO /doc. 475/04 rev.1

List of Documents:

CCP.II-RADIO /doc.355/04 rev.5

List of Participants:

CCP.II-RADIO /doc.356/04 rev.1

Final Report for the Meeting

CCP.II-RADIO /doc.477/04 rev.1

¹⁵ Document CCP.II-RADIO /doc.449/04 rev.1

¹⁶ Document CCP.II-RADIO /doc.420/04 rev.1

¹⁷ Document CCP.II-RADIO /doc.474/04