



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

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

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**VIII MEETING OF PERMANENT  
CONSULTATIVE COMMITTEE II:  
RADIOCOMMUNICATIONS  
INCLUDING BROADCASTING  
October 17 to 20, 2006  
Puerto Ordaz, Venezuela**

**OEA/Ser.L/XVII.4.2  
CCP.II-RADIO/doc. 1241/06 rev.1  
cor.1  
13 November 2006  
Original: Spanish**

**FINAL REPORT**

**(Item on the Agenda: 8)**

**(Document submitted by the Drafting Group)**

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## FINAL REPORT

### VIII MEETING OF THE PERMANENT CONSULTATIVE COMMITTEE II: RADIOCOMMUNICATIONS INCLUDING BROADCASTING (PCC.II)

The VIII Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting was held in Puerto Ordaz, Venezuela, October 17 to 20, 2006.

#### I. AGENDA<sup>1</sup>

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 of the Chairs of the Working Groups on:
  - 4.1 Working Group on Preparation for Regional and World Communication Conferences.
  - 4.2 Working Group on Terrestrial Fixed and Mobile Radiocommunication Services.
  - 4.3 Working Group on Satellite Systems to Provide Fixed and Mobile Services.
  - 4.4 Working Group on Broadcasting.
  - 4.5 Rapporteur Group on the Technical and Regulatory Aspects Related to the Effects of Electromagnetic Non-ionizing Emissions.
5. Report of the tasks performed in coordination with ITU.
6. Agenda, Venue and Date of the IX Meeting of PCC.II.
7. Other matters.
8. Approval of the Final Report of the VIII Meeting.

#### II. AUTHORITIES OF THE MEETING

**Alternate Chair:** Mr. Mikhail Marsiglia (Venezuela)  
**Alternate Vice-Chair:** Mr. Héctor Budé (Uruguay)

**Executive Secretary:** Mr. Clovis Baptista Neto (CITEL)

#### **Drafting Group:**

**Chair:** Mr. Daniel Martínez (Venezuela)  
**Members:** Mr. Thomas Mouchet (Canada)  
Mr. Paul Blais (United States of America)

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<sup>1</sup> Document CCP.II-RADIO/doc. 1108/06 rev.3

Mrs. Carla Contreras (Venezuela)  
Mr. Jacson Lobo (Venezuela)  
Mr. Neri García (Venezuela)

### III. RESOLUTIONS

#### PCC.II/RES. 35 (VIII-06) <sup>2</sup>

#### HARMFUL INTERFERENCE LOCATION METHODS IN THE REGION OF THE AMERICAS

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

#### CONSIDERING:

- a) That at the VI Meeting of Permanent Consultative Committee II held in San José, Costa Rica, it was decided to establish a Sub-Working Group to draw up proposals aimed at resolving the problem of harmful interferences of unauthorized transmissions on satellite communication systems (PCC.II/DEC.41(VI-05));
- b) That at the VII Meeting of Permanent Consultative Committee II held in Lima, Peru, a Work Plan was adopted for Dealing with Harmful Interferences on the Region's Satellite Systems (Resolution PCC.II/RES.31 (VII-06));
- c) That the operation of satellite services must be free of harmful interferences coming from both "unauthorized" and "unintentional" transmissions;
- d) That it is necessary to have procedures commonly recognized by the member Administrations of CITEL to detect and locate harmful interferences coming from "unauthorized" and "unintentional" emissions,

#### RECOGNIZING:

That satellite operators have methods and procedures to detect, locate, and eliminate harmful interferences,

#### TAKING INTO ACCOUNT:

That the methods mentioned in *recognizing* and used by satellite operators have proven their reliability and accuracy in detecting harmful interferences,

#### RESOLVES:

That the member Administrations of CITEL consider the methods to detect harmful interferences attached to the present Resolution as one of the current procedures for detecting harmful interferences.

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<sup>2</sup> CCP.II-RADIO/doc. 1184/06 rev.1

**INVITES:**

The Region's satellite operators to propose other methodologies to detect harmful interferences.

**ANNEX TO RESOLUTION PCC.II/RES. 35 (VIII-06)**

**HARMFUL INTERFERENCE LOCATION METHODS**

In the process of identifying mainly unauthorized transmissions, the following techniques or methods can be used: geolocation and verification of transmissions, which are the most widely accepted and valid for satellite operators to identify the source generating these transmissions.

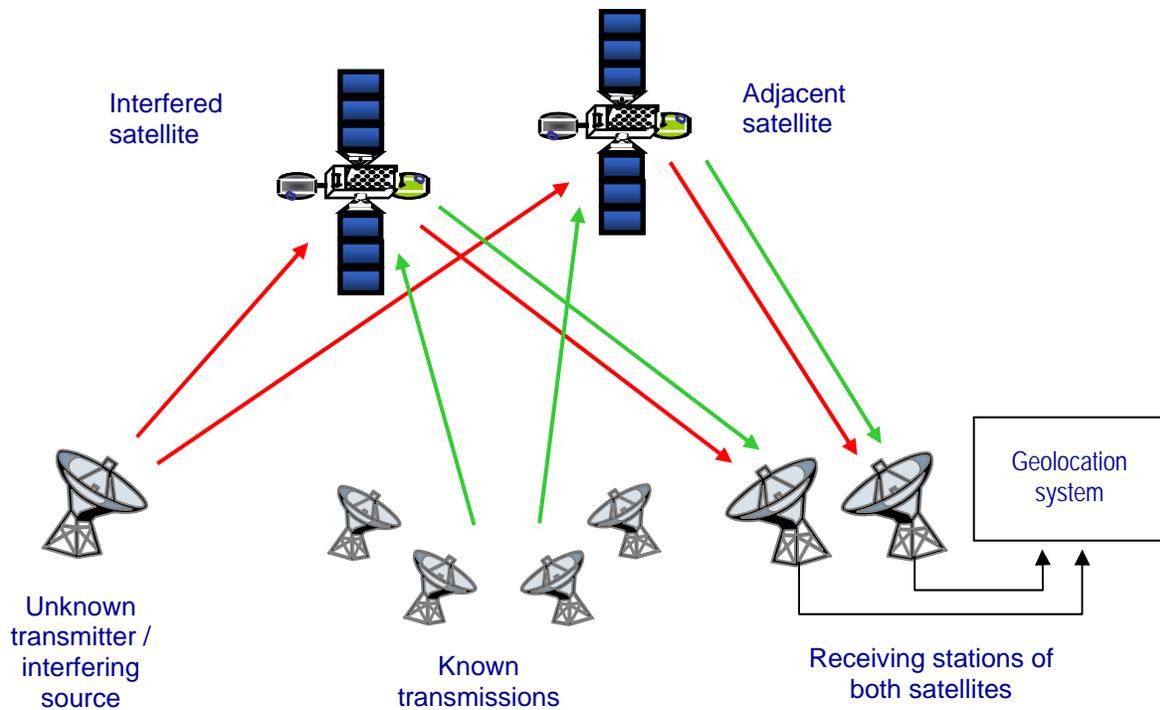
**1. Geolocation**

It is a technique that makes it possible to geographically locate a terrestrial station that is emitting a transmission to a specific satellite, whether an unauthorized transmission or, in general, some interference associated with breakdowns in station equipment or human error.

The result of this geolocation is generated in terms of latitude and longitude with an accuracy that is typically under 10 km, that is, the terrestrial station that is transmitting the geolocated signal is generally less than 10 km away from the coordinates obtained in the geolocation process.

This technique was scientifically developed more than 20 years ago and is used by the main satellite operators internationally, and it has proven its high degree of reliability in many different cases.

The following diagram illustrates the concept of this technique of geolocation, as described below:



The unknown transmitter antenna is aimed at the interfered satellite, transmitting most of its energy through the main lobe and a smaller part of its energy through the side lobes, which reaches adjacent satellites at a very low level.

When the original signal is transmitted to two satellites that are located in different orbital positions (the interfered satellite and the adjacent satellite), the signal travels different distances to reach the two adjacent terrestrial stations to simulate one single monitoring point indicated on the diagram as “Receiving stations of both satellites,” which involves a time difference of arrival (TDOA) on the order of  $\mu\text{s}$ .

Likewise, the signal experiences a frequency difference of arrival (FDOA) on the order of Hz, which is shown by the Doppler effect generated between the two satellites.

These parameters, TDOA and FDOA, are processed in the geolocation system and are represented by two lines that, depending on the satellites used, intersect in an area inside the interfered satellite’s coverage, thus tracing an ellipse with central geographical coordinates that indicate the zone where the terrestrial station that is transmitting the unknown signal is located.

To achieve this, known signals have to be used to compare them with the unknown signal, and by a series of triangulations that the geolocation system itself processes, the corresponding ellipse, indicated below, can be obtained:



## 2. Verification of transmission of possible sources of harmful interferences

Once the ellipse has been obtained, there is a point of departure inside the satellite coverage to find the interference, and the following step by the satellite operator to try to find the source generating this interference is to contact its customers in the zone to check their transmissions.

In most cases of accidental interferences because of equipment breakdown or human errors, it is probable that contact by phone and maybe testing by switching the equipment off and on may identify the station that generates the interference in order to subsequently take the relevant remedial actions.

Nevertheless, in the case of unauthorized transmission being dealt with here, it is difficult to contact by phone the responsible person in the terrestrial station because the operator of the terrestrial station shall not accept any responsibility.

Once the above has been accomplished, the satellite operators shall report it to the Regulator and shall draw up a solution strategy, investigating the origin of said unauthorized transmission. The Regulator shall use its own search methods, with the participation of the affected satellite operator, who shall be able to provide technical assistance and human resources with specialized brigades in detecting harmful interferences.

### Verification via horn antennas

In some cases, transmissions from a terrestrial station can be verified without any physical connection to the station's ascending chain, including the possibility of obtaining samples from said transmissions although from a location outside the station's facilities.

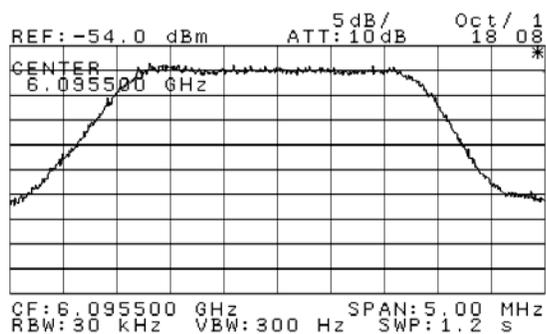
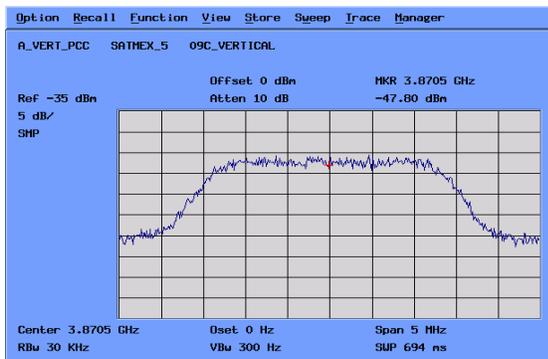
This method is illustrated and described below:



This method uses a spectrum analyzer and a horn antenna operating in the frequency range of interest, which for this type of verification would be the transmission frequency to the satellite in the corresponding operation band.

The idea is to be sufficiently close to the transmitting antenna, whether by land or by air, to be able to receive the uplink frequency of the interfering carrier or signal that is present on the satellite and that is monitored on the downlink frequency by the satellite operator.

By comparing the spectrum form of the interfering carrier or signal observed in this verification of transmissions with the reference chart of the satellite downlink, one can be sure that it is the transmitting station that one is looking for:



## Conclusions

The transmission geolocation and verification methods described in the present document are reliable enough to help identify the source generating unauthorized transmissions and interferences by radiofrequency on satellite communications.

### PCC.II/RES. 36 (VIII-06)<sup>3</sup>

#### PROPOSED TIMELINE FOR CITEL WRC-07 PREPARATION

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

#### RECOGNIZING:

The importance of planning the CITEL preparatory meetings for the World Communication Conference of the International Telecommunication Union to be held in October 2007 (WRC-07),

#### CONSIDERING:

- a) That the timeline for PCC.II meetings IX and X was approved as part of the Annex to Resolution PCC.II/RES. 25 (VI-05);
- b) That WRC-07 will be held from 22 October to 16 November 2007 and the Conference Preparatory Meeting (CPM) will be held from 19 February to 2 March;
- c) That the IX Meeting of PCC.II to be held after the CPM will allow for consideration of the most important results required for final definition of the IAPs;
- d) That the IX Meeting of PCC.II will be the “limit” meeting for preparing for WRC-07 and that the X Meeting will be needed to finalize the preparatory process of CITEL and begin working on coordination among the countries taking part in the WRC-07,

#### RESOLVES:

To modify the timeline for CITEL participation in WRC-07 included in the Annex to Resolution PCC.II/RES. 25 (VI-05), replacing the section on 2007 with the following:

#### 2007

IX Meeting of PCC.II	17 to 20 April 2007
X Meeting of PCC.II	24 to 27 July 2007
(WG-WRC) October	(Organizational Meeting – Selection of Agenda Item Spokespersons)

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<sup>3</sup> Document CCP.II-RADIO/doc. 1229/06

**PCC.II / RES. 37 (VIII-06) <sup>4</sup>**

**PCC.II WORK PLAN FOR 2006-2010**

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

**CONSIDERING:**

- a) The Strategic Plan for 2006-2010 approved by the IV Assembly of CITEL, in Resolution CITEL RES. 52 (IV-06);
- b) The need to assess compliance with the CITEL Strategic Plan as requested in resolution COM/CITEL RES. 161 (XIII-03) "Addition of Performance Parameters or Indicators to CITEL Strategic Plans",

**RESOLVES:**

- 1. To approve the work plans of PCC.II attached below.
- 2. To assess the results of and revise these work plans annually.
- 3. To revoke PCC.II/DEC. 36 (V-05).
- 4. To submit this Resolution to the XVIII meeting of COM/CITEL.

**ANNEX TO RESOLUTION PCC.II / RES. 37 (VIII-06)**

**Working Group on Preparation for Regional and World Communication Conferences <sup>5</sup>**

**1. AUTHORITIES**

Chair: Mr . Sergio Scarabino (Argentina)  
Vice-Chair: Mr. Joao Carlos Fagundes Albernaz (Brazil)

<b>Working Sub-Group</b>	<b>Issues</b>	<b>Agenda Items</b>	<b>Coordinator</b>	<b>Alternate Coordinator</b>
WSG-1	Terrestrial Services, incl. LF/MF/HF	1.2, 1.3, 1.5, 1.6, 1.13, 1.14, 1.15, 1.16, 1.20	Country: Uruguay Name: Mr. Hector Bude <a href="mailto:hbude@ursec.gub.uy">hbude@ursec.gub.uy</a>	Country: United States of America Name: Ms. Shayla Taylor <a href="mailto:shaylat@teleregs.com">shaylat@teleregs.com</a>

<sup>4</sup> Document CCP.II-RADIO/doc. 1227/06

<sup>5</sup> Document CCP.II-RADIO/doc. 1232/06 rev.1

<b>Working Sub-Group</b>	<b>Issues</b>	<b>Agenda Items</b>	<b>Coordinator</b>	<b>Alternate Coordinator</b>
WSG-2	SFS, SRS, HAPS and SMS	1.7, 1.8, 1.9, 1.10, 1.11, 1.17, 1.18, 1.19, 1.21	Country: Venezuela Name: Rubén Arenas <a href="mailto:rarenas@conatel.gov.ve">rarenas@conatel.gov.ve</a>	Country: Perú Name: Claudio Palomares <a href="mailto:cpalomares@mtc.gob.pe">cpalomares@mtc.gob.pe</a>
WSG-3	Regulatory and other Issues	1.1, 1.2, 2, 3, 4, 5, 6, 7.1	Country: United States of America Name: Julie Zoller <a href="mailto:jullie.zoller@itt.com">jullie.zoller@itt.com</a>	Country: República Dominicana Name: Javier García <a href="mailto:jgarcia@indotel.org.do">jgarcia@indotel.org.do</a>
WSG-4	Sharing 2.5 GHz and IMT-2000	1.4, 1.9	Country: Guatemala Name: Marco Antonio Escalante <a href="mailto:hall@technologist.com">hall@technologist.com</a>	Country: Brazil Name: Luis Latorraca lfrancisco@anatel.gov.br
WSG-AD-HOC*	Future Conferences	7.2		

## 2. TERMS OF REFERENCE

2.1 To develop common positions and draw up Inter-American proposals on issues related to Radiocommunication and Broadcasting to be addressed by World and/or Regional Conferences convened under the aegis of the International Telecommunication Union (ITU).

2.2 To coordinate relations and the exchange of information with other Regions on issues under its responsibility.

2.3 To coordinate CITEL's work during Regional and World Radiocommunication Conferences.

2.4 To coordinate topics of mutual interest with other PCC.II Working Groups.

## 3. OBJECTIVES

3.1 To ensure that the backgrounds and proposals for each item on the Agenda of Regional and World Radiocommunication Conferences to be held during the period 2006-2010 are kept updated.

3.2 To agree on Inter-American Proposals (IAPs) to be presented at Regional and World Radiocommunication Conferences to be held during the period 2006-2010.

## 4. STRATEGIC PRIORITY

To promote the active participation of all CITEL Administrations in presenting and negotiating the proposals mentioned in the Agenda items of Regional and World Radiocommunication Conferences to be held during the period 2006-2010.

## **5. LINES OF ACTION**

- 5.1. To analyze proposals and promote agreements or consensus leading to Draft Inter-American Proposals (DIAPs).
- 5.2. To promote rapprochement among the Administrations to achieve Inter-American Proposals (IAPs).
- 5.3. To endeavor to have the DIAPs and IAPs be distributed to all the Administrations on a timely basis.
- 5.4. To call for the active participation of the Administrations at the meetings of the Working Group for the Preparation for Regional and World Radiocommunication Conferences.
- 5.5. To foster the participation of the Administrations in the process preparatory to Regional and World Radiocommunication Conferences to be held during the period 2006-2010.
- 5.6. To foster circulation of relevant information through the contacts identified by the Administrations taking part in the ITU-R Study Groups and through the CITELE spokespersons at the relevant meetings.
- 5.7. To foster participation and presentation of proposals by the Administrations during the period between PCC.II meetings.
- 5.8. To interact with other CITELE Working Groups, especially PCC.II groups.
- 5.9. To identify CITELE spokespersons for those items on the WRC-07 agenda where there are IAPs.
- 5.10. To promote CITELE candidates to be considered as authorities of the CPM and WRC.

## **6. INDICATORS**

- 6.1 Proposals analyzed by the Group.
- 6.2 Draft IAPs.
- 6.3 IAPs achieved.
- 6.4 IAPs adopted at the World Conferences.

## **7. ACTIVITIES**

During the 2006-2010 period the activities to be carried out by the group will be those arising from proposals by the Administrations. The procedure for drawing up the IAPs is set forth in Resolution PCC.II/RES.26 (VI-05).

## **Working Group on Terrestrial and Fixed and Mobile Radiocommunication Services<sup>6</sup>**

### **1. AUTHORITIES**

Chair: Mr. Francisco Soares (Brazil)  
Vice-Chair: Mr. Marco Antonio Escalante Herrera (Guatemala)  
Vice-Chair: Mr. Rafael Sánchez (Dominican Republic)

### **2. TERMS OF REFERENCE**

2.1 To identify the current status of radio frequency use, particularly in Region 2, as well as to develop resolutions, recommendations and decisions for the harmonization of spectrum usage for terrestrial fixed and mobile radiocommunication services.

2.2 To follow the activities and studies being conducted at the ITU, particularly in the Radiocommunication and Telecommunication sectors, recognizing the complementary roles of the sectors, in order to develop positions on topics in Radiocommunication including standards that will be considered at the ITU Study Groups, as well as to analyze the results of WRC-07 in order to evaluate the need to take actions regarding specific issues.

2.3 To prepare guidelines regarding the use and sharing of radio frequency, including channeling and frequency arrangements.

2.4 To collect and provide technical information regarding new technologies and services to the Administrations of Region 2.

### **3. OBJECTIVES**

3.1 To promote among Member States the coordination, planning, and harmonization of the radio spectrum and the introduction of new radiocommunication technologies and services related to fixed and mobile terrestrial systems.

3.2 Participation of the Administrations and Associate Members of CITEL in preparing resolutions, recommendations and decisions on matters involving Terrestrial Fixed and Mobile Radiocommunication Services in keeping with the Working Group's mandate.

### **4. STRATEGIC PRIORITY**

To promote the active participation of all the Administrations and Associate Members of CITEL to support timely access to the radio spectrum for new technologies and applications in fixed and mobile services, bearing in mind existing radiocommunication services.

### **5. LINES OF ACTION**

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<sup>6</sup> Document CCP.II-RADIO/doc. 1191/06 rev.2

- 5.1 To encourage the participation and presentation of contributions of the Administrations and Associate Members at the PCC.II meetings that are organized.
- 5.2 To encourage the participation of the Administrations and Associate Members at the forums of the PCC.II that are established, to enrich and discuss matters involving the rational, appropriate and efficient use of, and timely access to, the radio spectrum.
- 5.3 To the extent that it is needed, to work together with other Working Groups within the PCC.II, using the mechanisms permitted by the PCC.II procedures, so that its results achieve general consensus.
- 5.4 To discuss broadly the matters assigned to the group so as to objectively include in its results the various contributions made during its activities.

## 6. INDICATORS

- 6.1 Presentation by the Administrations of contributions in the form of proposals at the meetings that are held.
- 6.2 Meetings held to evaluate proposals submitted by the Administrations and Associate Members that make it possible to materialize resolutions, recommendations, and decisions.
- 6.3 Establishment of discussion groups on CITEL's online electronic forum that facilitate the exchange of opinions and which, by distance communication, make it possible to reach a consensus on proposals.
- 6.4 Documents sent to other Working Groups of PCC.II in order to supplement points of view that make it possible to achieve the general goals of PCC.II.

## 7. ACTIVITIES

The group's activities during the period shall be those arising from the proposals of the Administrations and the Associate Members. The topics shall vary in keeping with spectrum needs as a consequence of technological breakthroughs. The table of some issues and identified activities that are to be addressed is provided below.

<b>PERIOD</b>				
<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Review and discussion involving radio frequency identification devices.	Review and discussion relating to radiofrequency identification devices.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.

Update of recommendation on very low power devices.	Update of recommendation on very low power devices.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.
RLAN on the 5 GHz band inside aircraft.	RLAN on the 5 GHz band inside aircraft.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.
Broadband over power lines (BPL).	Broadband over power lines (BPL).	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.
Re-location of the 700 MHz band .	Re-location of the 700 MHz band.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.
BWA Systems.	BWA Systems.	BWA Systems.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.
“	Aspects of Broadband Mobility	Aspects of Broadband Mobility	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.

“	Aspects of fixed mobile system convergence.	Aspects of fixed mobile system convergence.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.
“	Theory and application of cognitive or intelligent radio equipment.	Theory and application of cognitive or intelligent radio equipment.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.
“	Application of intelligent antennas and the technique known as MIMO (Multiple Input Multiple Output).	Application of intelligent antennas and the technique known as MIMO (Multiple Input Multiple Output).	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.
“	Studies on the theory and application of UWB radio equipment.	Studies on the theory and application of UWB radio equipment.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.	Analysis, review, discussion of preceding or new issues arising as a consequence of technological developments.

## Working Group on Satellite Systems to Provide Fixed and Mobile Services <sup>7</sup>

### 1. AUTHORITIES

Chair: Mr. Claudio Palomares Sartor (Perú)  
Vice-Chair: Mr. Alonso Picazo (México)  
Vice-Chair: Mr. Saúl Vásquez (El Salvador)

### 2. TERMS OF REFERENCE

2.1 To analyze the adoption of technologies that enable to meet the requirements of the Member States;

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<sup>7</sup> Document CCP.II-RADIO/doc. 1190/06 rev.2

2.2 To provide information to the Member States of results obtained in the area of satellites by the World Radiocommunication Conferences;

2.3 To analyze the implementation of satellite systems by the CITELE Member Countries, taking into account, *inter alia*, the following points:

2.3.1 use of the radio frequency spectrum;

2.3.2 possible criteria for sharing frequency bands for the interoperability of satellite systems and other services;

2.3.3 procedures for coordination in keeping with those of ITU-R;

2.3.4 implementation of the Global Mobile Personal Communications by Satellite (GMPCS) Memorandum of Understanding and Arrangements;

2.4 To propose information mechanisms for the CITELE Member Countries that, *inter alia*, cover:

2.4.1 technical standards;

2.4.2 regulatory framework;

2.4.3 interconnection criteria;

2.4.4 operation networks;

2.4.5 migration processes;

2.4.6 existing providers and technologies on the market;

2.4.7 unhindered circulation of GMPCS terminals across borders;

2.4.8 services transmitted through satellite systems.

### **3. OBJECTIVES**

3.1 To maintain, broaden, and strengthen cooperation with CITELE Member States and the associate members of Permanent Consultative Committee II, to achieve the harmonious development of telecommunications by satellite in the region.

3.2 To build up the participation of Member States and associate members and cooperation ties with international and regional telecommunication organizations and other institutions related to the telecommunications by satellite sector.

3.3 To promote the use and introduction of new telecommunications by satellite applications and related technologies, taking into account the needs of each member country of CITELE.

### **4. STRATEGIC PRIORITY**

To analyze the implementation of satellite systems by CITELE Member Countries enabling them to meet their needs considering existing regulations and those planned for the future.

## **5. LINES OF ACTION**

5.1 To foster the presentation of contributions by Administrations and associate members aimed at consolidating and, to the extent possible, harmonizing the regulations or measures that facilitate the deployment of satellite systems.

5.2 To promote information mechanisms that serve as a reference or guide to CITELE member Administrations on regulations for satellite systems and related matters.

5.3 To encourage the participation of the Administrations and associate members at PCC.II forums in order to enrich and discuss matters related to the efficient use of the orbital spectrum resource and its applications.

5.4 To foster the participation of member Administrations and associate members at ITU, mainly at world conferences and technical meetings of ITU-R related to satellite systems, and to facilitate the results of the PCC.II.

## **6. INDICATORS**

6.1 Recommendations, resolutions, and decisions considering the work to be developed.

6.2 Sub Working Groups and ad hoc groups, taking into account the needs and objectives of the topic.

6.3 Methodologies and procedures adopted by PCC.II.

6.4 Electronic discussion forums and technical notebooks.

## **7. ACTIVITIES**

The activities shall be carried out on the basis of the topics included or that can be included on the agenda of the Working Group.

The activities of this Working Group are presented below, with its respective programmed actions for the period 2007 to 2010.

<b>ACTIVITY</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
1) General guidelines for granting licenses for global mobile personal communications by satellite (GMPCS) systems.	1.1) Discussion of proposals on the topic.	1.1) Discussion of proposals on the topic.	1.1) Discussion of proposals on the topic.	1.1) Discussion of proposals on the topic.
2) Procedures to be used for the authorization of earth stations on board vessels (ESV).	2.1) Establishment of a database on the procedures for the use of ESV.	2.1) Update the technical and regulatory procedures on the basis of the results of future world radiocommunications conferences of ITU.  2.1) Develop possible recommendations that would improve the use of ESV, if necessary.	2.1) Maintenance of the database and possible update.	2.1) Update the technical and regulatory procedures on the basis of the results of future world radiocommunications conferences of ITU.  2.1) Maintenance of the database and possible update.
3) Implementation of regulations that facilitate the deployment of satellite services.	3.1) Update of the existing database as Administrations provide the corresponding information.	3.1) Update of the existing database as Administrations provide the corresponding information.	3.1) Update of the existing database as Administrations provide the corresponding information.	3.1) Update of the existing database as Administrations provide the corresponding information.
4) Harmful interferences of unauthorized transmissions on satellite networks.	4.1) Offer courses on interferences through Regional Centers of CITEL to the technical and regulatory staff that oversees and operates terrestrial transmission stations.  4.2) Establish criteria between Administrations and satellite operators to deal with harmful unauthorized interferences.	4.1) Establishment of a regional methodology to deal with harmful unauthorized interferences to be used by CITEL member Administrations.	4.1) Continue joint work between satellite operators and Administrations on the topic.  4.2) Maintenance and update of the established methodology.	4.1) Continue joint work between satellite operators and Administrations on the topic.  4.2) Maintenance and update of the established methodology
5) Usage, operation, and applications of the C-band by CITEL member	5.1) Review and discussion of the topic.	5.1) Proposals for the drafting of resolutions and	5.1) Proposals for the drafting of resolutions and	5.1) Proposals for the drafting of resolutions and

Administrations.		recommendations.	recommendations.	recommendations.
6) Existing data bases concerning satellite systems.	6.1) Review and update.			

## **Working Group on Broadcasting<sup>8</sup>**

### **1. AUTHORITIES**

Chair: Mr. Larry Olson (United States of America)

Vice Chair: Mr. Ara Apkarian Minassian (Brazil)

Vice Chair: Mr. Raúl Gómez Saénz (Peru)

### **2. TERMS OF REFERENCE**

2.1 To identify the status of radio frequency use, particularly in Region 2, and to develop resolutions and recommendations for harmonization of the use of the broadcasting spectrum (radio and television);

2.2 To follow the activities being carried out and studies being conducted within the ITU, especially in the ITU-R and ITU-T Sectors, recognizing the complementary roles of said Sectors, in order to be able to develop views on broadcasting topics, including provisions for consideration in the ITU Study Groups and Working Parties;

2.3 To obtain and disseminate information regarding new transmission and access technologies in broadcasting services in Region 2;

2.4 To encourage the Region 2 Administrations to implement digital technologies related directly and indirectly to broadcasting services.

### **3. OBJECTIVES**

3.1 To promote the introduction of new technologies in broadcasting.

3.2 To promote among the Member States the coordination and harmonization of procedures, standards, and operational aspects related to broadcasting networks and services, in keeping with each country's socioeconomic, technological, and training needs.

3.3 To promote participation by the Administrations and Associate Members of CITELE in preparing resolutions, recommendations, and decisions pertaining to broadcasting-related matters, in accordance with the mandate of the Working Group.

### **4. STRATEGIC PRIORITY**

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<sup>8</sup> Document CCP.II-RADIO/doc. 1203/06 rev.1

4.1 To promote, inform, and assist Administrations at all stages of transitioning to digital broadcasting.

4.2 To promote active participation by Administrations of CITEL in this process.

## **5. LINES OF ACTION**

5.1 To promote participation by Administrations and Associate Members in the meetings of PCC.II.

5.2 To promote the presentation of documents, reports, and other contributions by Administrations and Associate Members in the meetings of PCC.II.

5.3 To promote information exchange regarding matters of interest to the Working Group, meeting the needs of Administrations.

5.4 To invite the Administrations to inform PCC.II of the outcomes of international forums or events related to sector interests.

5.5 To urge the broadcasting industry to participate actively in the work of CITEL.

5.6 To make use of the services of experts to contribute to Sector research and development topics.

5.7 To interact with other CITEL working groups, especially those of PCC.II.

## **6. INDICATORS**

6.1 Presentation of contributions.

6.2 Preparation and update of Implementation Guides for Digital Terrestrial Television and Digital Terrestrial Radio Broadcasting.

6.3 Discussion groups in CITEL's Electronic Forum.

6.4 Forwarding to and receipt of documents from other PCC.II working groups.

6.5 Holding of meetings to evaluate contributions and/or proposals.

6.6 Resolutions and recommendations proposed.

## **7. ACTIVITIES**

The activities to be carried out by the Group in the period are those emanating from proposals of Administrations and Associate Members. Topics will vary in keeping with needs of Administrations.

## Goals

<b>PERIOD</b>					
<b>OUTPUT</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Proposals and/or contributions	38	40	40	40	40
DTT implementation guide (development/update)	(1/2)	(1/2)	(1/2)	(1/2)	(1/2)
DTR implementation guide (development/update)	(0/0)	(1/0)	(1/1)	(1/2)	(1/2)
Groups in the electronic forum	1	2	2	2	2
Meetings	2	2	2	2	2
Recommendations	0	1	2	1	2
Resolutions	0	0	1	0	1

**PCC.II/RES. 38 (VIII-06)<sup>9</sup>**

**SEMINAR ON TERRESTRIAL SPECTRUM FOR IMT  
(WRC-07 agenda item 1.4)**

The VIII Meeting of the Permanente Consultative Committee II: Radiocommunications including Broadcasting,

**CONSIDERING:**

- a) That WRC-07 will make important decisions with regards to Agenda Item 1.4 (*to consider frequency-related matters for the future development of IMT-2000 and systems beyond IMT-2000 taking into account the results of ITU-R studies in accordance with Resolution 228 (Rev.WRC-03)*);
- b) That the studies pertaining the terrestrial component of IMT (including IMT-2000 and IMT-Advanced) have taken place in ITU-R Working Party 8F, with participation from only a few countries from the Americas;
- c) That it is important for all countries in the Americas to be aware of the telecommunications needs, benefits and studies in the context of the future development of IMT-2000 and IMT-Advanced,

**TAKING INTO ACCOUNT:**

- a) That the timing for the dissemination of this knowledge is very critical and should take place, shortly after the ITU Conference Preparatory Meeting (CPM);
- b) That there has been an offer by an industry group to organize and fully support a seminar on terrestrial spectrum for IMT,

**RESOLVES:**

1. To hold a Seminar on Terrestrial Spectrum for IMT (WRC-07 Agenda Item 1.4), in order to share information, the day before the IX meeting of PCC.II, with resources from outside CITELE and at no cost to CITELE.
2. To establish that the Seminar will be coordinated by Mr. José Costa (Nortel, Canadá), as a representative of the industry group, in consultation with the chairs of the Working Group on Terrestrial Fixed and Mobile Radiocommunication Services, the chair of the Working Group on Preparation for Regional and World Radiocommunication Conferences, and the chair of the Sub-Working Group 4 (SWG-4) (WRC-07 Agenda Items 1.4 and 1.9), on the basis of the draft program shown in the Annex.

**INSTRUCTS THE EXECUTIVE SECRETARY:**

To send this resolution to the CITELE Member States and Associate Members, urging them to participate in the Seminar.

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<sup>9</sup> Document CCP.II-RADIO/doc. 1207/06

## ANNEX TO RESOLUTION PCC.II/RES.38 (VIII-06)

### Draft Program Seminar on Terrestrial Spectrum for IMT (WRC-07 Agenda Item 1.4)

- 09:00 – 09:30** Introductions, background on IMT-2000, its enhancements and systems beyond (IMT-Advanced); overview of the work in ITU-R WP 8F related with WRC-07 issues.
- Speakers:*  
*CITEL representative*  
*ITU representative*
- 09:30 – 10:00** Demonstrate need for additional spectrum to be identified in WRC-07 (Based on ITU-R Market Report)
- Speaker(s): members of the industry group*
- 10:00 – 10:30** Summary of ITU-R results on estimated spectrum requirements
- Speaker(s): members of the industry group*
- 10:30 – 10:45** Questions/answers
- 10:45 – 11:00** **Break**
- 11:00 – 11:30** Summary of ITU-R results on CPM TEXT and IMT.CANDI
- Speaker(s): members of the industry group or invited speaker (e.g., chair of the WP 8F SWG on spectrum bands)*
- 11:30 – 12:00** Summary of ITU-R WP 8F results on IMT.SHARING CANDI
- Speaker(s): members of the industry group or invited speaker (e.g., chair of the WP 8F SWG on sharing)*
- 12:00 – 12:15** Questions/answers
- 12:15 – 14:00** **Sponsored Lunch**
- 14:00 – 15:00** Presentations of views on user and market needs for the next decade relevant to the Americas
- Speaker(s): Operators from Region 2*
- 15:00 – 15:15** Presentation on technology readiness for the next decade
- Speaker(s): members of the industry group*
- 15:15 – 15:30** Questions/answers
- 15:30 – 15:45** **Break**

**15:45 – 16:45** Benefits, regulatory aspects, regional-specific messages, support for the identification of additional spectrum for future enhancements of IMT-2000 and systems beyond, suggested actions, etc.

*Speakers: members of the industry group*

*Note: This will be split into two or three presentations.*

**16:45 – 17:00** Questions/answers

**17:00 – 18:00** Panel session

*Speakers: Operators and members of the industry group*

**18:00 – 18:30** **Conclusions**

**WORKSHOP ON TECHNICAL AND REGULATORY ASPECTS RELATED TO THE EFFECTS OF NON-IONIZING ELECTROMAGNETIC EMISSIONS**

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

**CONSIDERING:**

- a) The success of the Workshop on Technical and Regulatory Aspects Related to the Effects of Non-Ionizing Electromagnetic Emissions, held the day prior to the VII Meeting of PCC.II, held in Lima, Peru;
- b) That requests have been received from different countries to repeat that workshop, but hosted by a Central American or Caribbean country, in order to facilitate public participation in the region;
- c) That contact has been made with the ITU Center of Excellence for the Americas Region, which expressed interest in participating in the organization of said event;
- d) That, through said Center, the Telecommunications Regional Technical Commission of Central America (COMTELCA) was contacted, which had expressed interest in holding an event of this type; and
- e) That the *Superintendencia General de Electricidad y Telecomunicaciones* [General Superintendency of Electricity and Telecommunications] (SIGET) of El Salvador has also expressed such interest,

**BEARING IN MIND:**

- a) That the IX Meeting of PCC.II will be held in El Salvador;
- b) That organization of the Workshop on Technical and Regulatory Aspects Related to the Effects of Non-Ionizing Electromagnetic Emissions does not involve costs for PCC.II,

**RESOLVES:**

1. To hold a Workshop on Technical and Regulatory Aspects Related to the Effects of Non-Ionizing Electromagnetic Emissions, without cost to CITELE, in El Salvador, on Monday, April 16, 2007, prior to the IX Meeting of PCC.II.
2. To instruct the Rapporteur on the Technical and Regulatory Aspects Related to the Effects of Electromagnetic Non-Ionizing Emissions to coordinate the holding of said workshop with the officers of SIGET and COMTELCA, and with the ITU Center of Excellence of the Americas Region and such third entities as may contribute to the successful holding of this event.
3. To instruct the Secretary of CITELE to forward a copy of this resolution to all Member States and Associate Members of CITELE, urging them to participate in the workshop.

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<sup>10</sup> Document CCP.II-RADIO/doc. 1225/06

## ANNEX TO RESOLUTION PCC.II/RES.39 (VIII-06)

### Tentative Program

#### WORKSHOP ON TECHNICAL AND REGULATORY ASPECTS RELATED TO THE EFFECTS OF NON-IONIZING ELECTROMAGNETIC EMISSIONS

**Organization:** CITEL, COMTELCA regional node of the ITU Regional Center of Excellence for the Americas Region, SIGET

**Site:** To be determined, El Salvador

**Day:** Monday prior to the Meeting of PCC.II

**8:00 a.m. –**            **Accreditations**

**9:00 a.m.**

**9:00 a.m. –**            **Opening session**

**9:30 a.m.**

- Remarks by the Workshop Coordinator and Rapporteur of the Group on the Technical and Regulatory Aspects Related to the Effects of Electromagnetic Non-Ionizing Emissions (NIR)
- Remarks by the Alternate Chair of PCC.II
- Remarks by officers of SIGET

**9:30 a.m. –**

**10:00 a.m.**

**Outputs of the work on NIR done within CITEL**

- *Presentation of the DVD: Technical and regulatory aspects related to the effects of non-ionizing electromagnetic emissions*
- Work of the Group and of the workshop held in Lima

**10:00 a.m.–**

**11:00 a.m.**

**Status of the standards and studies being developed by specialized international organizations on safe use of non-ionizing radiation (Part I)**

- World Health Organization
- ICNIRP

**11:00 a.m.–**        **Break**

**11:15 a.m.**

**11:15 a.m. –**

**12:30 p.m.**

**Status of the standards and studies being developed by specialized international organizations on safe use of non-ionizing radiation (Part II)**

- Technical Committee No. 106, International Electrotechnical Commission (IEC). “Methods for the Assessment of Electric, Magnetic, and Electromagnetic Fields Associated with Human Exposure”
- IEEE International Committee on Electromagnetic Safety: “Report on the new Standard C95.1-2005”
- *Instituto Nacional de Investigación y Capacitación en Telecomunicaciones* [National Institute for Telecommunication Research and Training] (INICTEL)

- 12:30 p.m. – Question and answer session with the experts**
- 1:00 p.m.**
- 1:00 p.m. – Break**
- 3:00 p.m.**
- 3:00 p.m. – Municipalities, municipal regulations on installation of antennas, and the public’s perception of risk**
- *Federación Latinoamericana de Ciudades, Municipios y Asociaciones* [Latin American Federation of Cities, Municipalities and Associations] (FLACMA)
  - Local users’ association
  - CFC: Measuring NIR
  - CPqD Telecom & IT Solutions (Brazil): “Supervision of non-ionizing radiation in municipalities”
  - Wavecontrol municipal radiation maps
- 4:00 p.m. – Vision of the region’s regulators; setting standards based on scientific data**
- 5:00 p.m.**
- SIGET
  - Industry Canada, Canada
  - COMTELCA
- 5:00 p.m. – Break**
- 5:30 p.m.**
- 5:30 p.m. – Vision and commitment of industry, manufacturers, and operators; private research, communication with the public**
- 6:30 p.m.**
- Mobile Manufacturers Forum (MMF)
  - WiFi Alliance
  - Regional operators
- 6:30 p.m. Conclusions and event close**

**PCC.II/RES. 40 (VIII-06)<sup>11</sup>**

**AGENDA, VENUE AND DATE FOR THE IX PCC.II MEETING**

The VIII Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting.

**RESOLVES:**

1. To hold the IX Meeting of PCC.II from April 17 to 20, 2006 in El Salvador.
2. To approve the draft agenda for the IX Meeting, which is attached as an Annex.

**ANNEX TO RESOLUTION PCC.II/RES. 40 (VIII-06)**

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 of the Chairs of the Working Groups on:
  - [4.1 WG on Preparation for Regional and World Communication Conferences.](#)
  - [4.2 WG on Terrestrial Fixed and Mobile Radiocommunication Services.](#)
  - [4.3 WG on Satellite Systems to Provide Fixed and Mobile Services.](#)
  - [4.4 WG on Broadcasting.](#)
  - 4.5 Rapporteur Group on the Technical and Regulatory Aspects Related to the Effects of Electromagnetic Non-ionizing Emissions.
5. Agenda, Venue and Date of the X Meeting of PCC.II.
6. Other matters.
7. Approval of the Final Report of the IX Meeting.

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<sup>11</sup> Document CCP.II-RADIO/doc. 1226/06

## **DRAFT AGENDAS OF WORKING GROUPS**

### **4.1 Draft Agenda of the Working Group on the preparation of CITEL for Regional and World Radiocommunication Conferences**

1. Presentation and approval of the agenda.
2. Working methods.
3. Assignment of documents to the sub-groups:

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
4. Reports of the spokespersons to other organization's meetings.
5. Work plan 2006-2010.
6. Other matters.

### **4.2 Draft Agenda of the Working Group on Terrestrial Fixed and Mobile Radiocommunication Services**

1. Opening remarks.
2. Approval of the agenda.
3. SDR
4. Low frequency devices.
5. RLAN in 5 GHz on board aircraft
6. Broadband Power Line Communications (BPL).
7. BWA
8. Refarming of 700 MHz band.
9. Work plan 2006-2010.
10. Other business.

### **4.3 Draft Agenda of the Working Group on Satellite Systems to Provide Fixed and Mobile Services**

1. Approval of the agenda.
2. General guidelines for licensing global mobile personal communication system networks (GMPCS).
3. Procedures to be followed for authorization of earth stations on board vessels (ESV).
4. Implementation of regulations providing for the deployment of satellite services.
5. Harmful interferences by non authorized transmissions in satellite networks.
6. Use, operation and applications of the band C by the Administrations of CITEL.
7. Existent data bases on satellite systems.
8. Work plan 2006-2010.
9. Other business.

### **4.4 Draft Agenda of the Working Group on Broadcasting**

1. Opening remarks.
2. Approval of the agenda.
3. Reports on the advances reached on the 1981 R o de Janeiro Plan
4. Report on the contributions introduced in the electronic forum regarding digital television.
5. Study, analysis and discussions of the contributions received regarding digital television.
6. Study, analysis and discussions of the contributions received regarding digital sound broadcasting, including the results of the measurement of interference of digital transmissions to analogue service
7. Analysis of the Work plan 2006-2010 regarding the established goals.
6. Other business.

#### **IV. RECOMMENDATIONS**

##### **PCC.II/REC. 19 (VIII-06)<sup>12</sup>**

##### **RFID IN THE AMERICAS**

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

#### **CONSIDERING:**

- a) That the use of RFID technology may provide overall benefits in various sectors;
- b) That the use of RFID technology can provide cost benefits for the marketplace;
- c) That the use of harmonized spectrum for RFID technology may have positive impacts on global and regional trade;
- d) That industry-led standards organizations exist to facilitate the rapid development and implementation of RFID technologies;
- e) That there is a need to determine power limits so that this technology can work without interference to allocated services in the bands;
- f) That existing systems and services must be protected from interference and that in certain frequency bands such as 433.5-434.5 MHz doing so may involve measures in addition to power limitations;

#### **RECOGNIZING:**

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<sup>12</sup> Document CCP.II-RADIO/doc. 1231/06

- a) That RFID technology needs an enabling regulatory approach that facilitates its implementation and future development in order to foster its use to the maximum extent possible;
- b) That spectrum harmonization facilitates the development of equipment standards and the circulation of devices;
- c) That industry organizations, such as ISO, are ideally suited to develop global equipment standards that can be implemented by the RFID technology industry as a whole;
- d) That a broader manufacturing base increases volume of equipments resulting in economies of scale and expanded equipment availability;
- e) That not all frequencies within an identified common frequency range may be available within each country;
- f) That RFID devices are one of several technologies that may operate in shared license-exempt spectrum, which typically is governed by a general set of technical and operational regulations, and
- g) That regulations are required within each Administration on the specific implementation of RFID,

**NOTING:**

- a) That other regional organizations (i.e. APT, CEPT, etc.) are developing recommendations on RFID devices; and
- b) That Recommendation PCC.II/ REC.67 (XIX-01) contains general limits and exceptions by Administrations for operation of low power devices in the Americas,

**RECOMMENDS:**

1. That CITEL Administrations facilitate the use of RFID technology to the maximum extent possible while minimizing regulatory constraints consistent with the protection of existing systems.
2. That devices using RFID technology be afforded access to the following regionally harmonized frequency bands, or parts thereof, subject to the following maximum power limits. Administrations may have lower limits.

<b>Frequencies</b>	<b>Electric Field Strength (microvolts/metre)</b>	<b>Measurement Distance (metres)</b>
119-135 kHz	2400*Frequency	300
13.11-13.36 MHz and 13.41-14.01 MHz	106 000	30
433.5-434.5 MHz	70 359	3
860-960 MHz	70 359	3
2.4- 2.835 GHz	50 000	3

3. That Administrations adopt technical regulatory environments that:

- allow the operation of RFID devices on a no-protection, non-interference, license exempt basis
- foster the use of industry-wide RFID technology standards consistent with the need to protect existing and planned systems in higher status radio services.

**MEASURES TO ENSURE AVAILABILITY OF GMPCS DURING EMERGENCIES AND NATURAL DISASTERS**

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

**CONSIDERING:**

- a) The importance of immediate communications following a catastrophic natural disaster event such as an earthquake, hurricane or massive flooding;
- b) That such events can destroy or severely damage telecommunications infrastructure;
- c) That in these cases the communications services available are *inter alia* Mobile Satellite Service (MSS) systems having small portable terminals which do not rely on local infrastructure;
- d) That the availability of MSS capability for use in emergencies and natural disasters depends on a responsive communication regulatory framework;
- e) That in these cases the satellite technology available through GMPCS systems can be a uniquely important tool for meeting emergency communications requirements;
- f) That the deployment of mobile terminals in emergency situations depends on a responsive regulatory framework that will facilitate their temporal movement across borders and, where applicable, requires expeditious authorization procedures,

**RECOGNIZING:**

- a) That GMPCS systems can be essential components of critical emergency response communication networks, particularly those used by emergency responders;
- b) That the ITU-R has under development a draft recommendation on the “Use of systems in the mobile-satellite service in the event of natural disasters and similar emergencies for relief operations”;
- c) That the proper operations of communications for emergency rescue response to natural disasters requires that the radio electric spectrum allocated for that purpose to GMPCS systems be available and, to the extent possible, free of harmful interference;
- d) That the Declaration of San Jose calls upon states to “To develop strategies for reducing the vulnerability to natural disasters of telecommunication infrastructure and to promote the use of all types and media of communications that may contribute to access to communications in case of disaster.”,

**RECOMMENDS:**

- 1. That CITEL Member States consider the adoption of procedures that, subject to the permitted legal framework for relief operations in response to emergencies and natural disasters, facilitate the free

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<sup>13</sup> Document CCP.II-RADIO/doc. 1221/06

circulation and implementation of GMPCS satellite system terminals for when each Administrations considers it is needed;

2. That operators of GMPCS systems must carry out the necessary procedures with CITEL Administrations to become authorized for relief operations in response to natural disasters or emergencies,

**REQUESTS:**

That Administrations that authorize the use of GMPCS satellite system terminals for relief operations in response to natural disasters or emergencies so advise the Executive Secretary of CITEL, so that the information may be posted on the CITEL web site. (Please see Annex.).

**ANNEX TO RECOMMENDATION PCC.II/REC. 20 (VIII-06)**

**Authorized Mobile Satellite Capability Available for Disaster Relief**

[ ADMINISTRATION ]

<b>ITEM</b>	<b>DESCRIPTION</b>
Organization	Name of the Telecommunication Authorization Organization.
Contact	Person or persons along with contact information responsible for coordination.
MSS Capability	Description of MSS facilities available for use in the country, and contact points: 1. Operator A: Name and telephone number. 2. Operator B: Name and telephone number of contact.
Terminals Authorizations	Nature of authorizations provided. Identify organization and e-mail address for electronic contact.

**V. DECISIONS**

The VIII meeting of the Permanent Consultative Committee II, Radiocommunication including Broadcasting,

**DECIDES:**

<p><b>PCC.II/DEC. 46(VIII-06)</b> 14</p>	<p>Bearing in mind that the VIII PCC.II meeting has accepted the invitation of the organization Global VSAT Forum for a distance dialogue concerning the use of band C in the Americas Region, at no cost to CITELE, to instruct the Executive Secretary of CITELE:</p> <ol style="list-style-type: none"> <li>1. To contact Global VSAT Forum (GVF) to define the schedule and agenda for the event in question.</li> <li>2. To send the Global VSAT Forum invitation, together with the defined schedule and agenda, to all the CITELE member Administrations to see who would be interested in taking part in this distance dialogue and in being one of the six possible venues, taking into account that Washington, D.C. is one such venue. In each case the Administrations should inform their decision the following 30 days after receiving the invitation.</li> <li>3. To coordinate the presence of a CITELE representative at the forum.</li> <li>4. In the event of great demand, to ask GVF whether there will be another opportunity to repeat this event in future.</li> </ol>
<p><b>PCC.II/DEC. 47 (VIII-06)</b></p>	<p>Taking into account that the database found on the CITELE page concerning the regulatory system for deployment of broadband satellite services in the Americas may need some updating, instructs the Executive Secretary of CITELE. to ask the CITELE Member Administrations to provide an update, if applicable, on their regulatory system for deployment of broadband satellite services in the Americas.</p>
<p><b>PCC.II/DEC. 48 (VIII-06)</b> 15</p>	<p>To send the documents listed below to the members, requesting their comments and contributions for the IX meeting of PCC.I:</p> <ol style="list-style-type: none"> <li>a) Document CCP.II-RADIO/doc. 1205/06, "WORKING DOCUMENT ON AMENDMENTS TO RECOMMENDATION PCC.III REC. 67 (XIX-01), "GENERAL REQUIREMENTS FOR LOW POWER RADIOCOMMUNICATION DEVICES." The contact person for any clarification needed is Mr. Luis Antonio Lara Medina (Luis.Lara@motorola.com).</li> <li>b) Document CCP.II-RADIO/doc. 1193/06 rev.1 "DRAFT RECOMMENDATION PCC.II/REC. YYY (VI-05) CLASSIFICATION OF 5 GHZ RLANS ON BOARD AIRCRAFT AS INDOOR SYSTEMS." The</li> </ol>

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<sup>14</sup> Document CCP.II-RADIO/doc. 1202/06 rev.1

	contact person for any clarification needed is Mr. Marc Girouard (girouard.marc.dgse@ic.gc.ca).
<b>PCC.II/DEC. 49 (VIII-06)</b> <sup>16</sup>	<ol style="list-style-type: none"> <li>1. To request the Member States to send contributions for the next PCC.II meetings on the results on extensive tests conducted to assess the performance of different categories of consumer analogue AM receivers.</li> <li>2. To put together a report on measurement results of AM-IBOC interference to analogue service with the experiences received that will be made available in the CITELE web site.</li> <li>3. To include document CCP.II-RADIO/doc. 1111/06 from the Administration of Canada as a first contribution to the above mentioned report.</li> </ol>
<b>PCC.II/DEC. 50 (VIII-06)</b> <sup>17</sup>	To send document CCP.II-RADIO/doc. 1198/06 rev.2 “DRAFT RECOMMENDATION PCC.II/REC. XXX (VIII-06) ON TRANSMISSIONS OF PUBLIC DIGITAL TERRESTRIAL TELEVISION BROADCASTING (DTT)” to the Member States requesting their comments and contributions for the IX meeting of PCC.II. The contact person for any clarifications needed is Mr. Javier García (jgarcia@indotel.gov.do).
<b>PCC.II/DEC.51 (VIII-06)</b> <sup>18</sup>	<ol style="list-style-type: none"> <li>1. To request the Member States to designate a contact point for updating the spectrum allocation database in the CITELE web page (<a href="http://oasforum.oas.org/citelituv3.nsf/ensearchform?openform">http://oasforum.oas.org/citelituv3.nsf/ensearchform?openform</a>).</li> <li>2. To request the Member States to send the CITELE Secretariat the documents on the allocation of frequencies of their countries, including the national notes preferably in text format, if possible, to facilitate updating of the system.</li> <li>3. To request the Administrations to make suggestions regarding improvements of the current system or additional information that the system must have.</li> </ol>

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15 Document CCP.II-RADIO/doc. 1206/06 rev.1

16 Document CCP.II-RADIO/doc. 1222/06 rev.1

17 Document CCP.II-RADIO/doc. 1235/06

18 Document CCP.II-RADIO/doc. 1240/06 cor.1

## **VI. LIST OF BASIC DOCUMENTS**

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

CCP.II-RADIO/doc. 1199/06

Summary Minutes of the Second Plenary Session:

CCP.II-RADIO/doc. 1107/06 rev.2

Summary Minutes of the Third Plenary Session  
and Closing Session:

CCP.II-RADIO/doc. 1240/06 cor.1

List of Documents:

CCP.II-RADIO/doc. 1106/06 rev.5

List of Participants:

CCP.II-RADIO/doc.1107/06 rev. 2

Final Report for the Meeting

CCP.II-RADIO/doc. 1241/06 rev.1