



ORGANIZACION DE LOS ESTADOS AMERICANOS  
ORGANIZATION OF AMERICAN STATES

Comisión Interamericana de Telecomunicaciones  
Inter-American Telecommunication Commission

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**XIX MEETING OF PERMANENT  
CONSULTATIVE COMMITTEE II:  
RADIOCOMMUNICATIONS  
INCLUDING BROADCASTING  
July 2 to 6, 2012  
Bucaramanga, Colombia**

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**FINAL REPORT  
(Item on the Agenda: 7)  
(Document submitted by the Drafting Group)**

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## FINAL REPORT

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

The XIX Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting was held in Bucaramanga, Colombia, July 2 to 6, 2012.

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

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1. Approval of the agenda and calendar.
2. Appointment of the Drafting Group for the Final Report.
3. Meeting of the Chairs of the Working Groups on:
  - 3.1 Working Group on Preparation for Regional and World Radiocommunication Conferences.
  - 3.2 Working Group on Terrestrial Fixed and Mobile Radiocommunication Services.
  - 3.3 Working Group on Satellite Systems to Provide Fixed and Mobile Services.
  - 3.4 Working Group on Broadcasting.
  - 3.5 Rapporteur Group on the Technical and Regulatory Aspects Related to the Effects of Electromagnetic Non-ionizing Emissions.
  - 3.6 Ad Hoc Group on the Strategic Plan of PCC.II.
  - 3.7 Ad Hoc Group on Allocation of the Digital Dividend Spectrum Resulting from the Transition to Digital Television and Opportunities for Convergent Applications.
4. Agenda, Venue and Date of the XX Meeting of PCC.II.
5. Other matters.
6. Approval of the Final Report of the XIX Meeting.

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<sup>1</sup> CCP.II-RADIO/doc. 2874/12

## **II. AUTHORITIES OF THE MEETING**

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**Alternate Chair of PCC.II:** Mr. Franklin Merchán Calderon (Colombia)  
**Alternate Vice-Chair of PCC.II:** Mr. Héctor Budé (Uruguay)  
**Executive Secretary of CITEL:** Mr. Clovis Baptista (OAS)

### **Drafting Group:**

**Chair** Ms. Luisa Fernanda Caldas (Colombia)  
**Members** Ms. Paramita De (Canada)  
Mr. Javier García (Dominican Republic)  
Mr. Jonathan V. Siverling (United States of America)

## **III. RESOLUTIONS**

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### **PCC.II/RES. 81 (XIX-12)<sup>2</sup>**

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

The XIX Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

#### **RESOLVES:**

1. To hold the XX Meeting of PCC.II in Mexico City during the week of October 22 to 27, 2012.
2. To approve the draft agenda for the XX Meeting, that is attached as an Annex.

#### **ANNEX TO RESOLUTION PCC.II/RES. 81 (XIX-12)**

1. Approval of the agenda and calendar.
2. Appointment of the Drafting Group for the Final Report.
3. Meeting of the Chairs of the Working Groups on:

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<sup>2</sup> CCP.II-RADIO/doc. 2963/12 cor.1

- 3.1 Working Group on Preparation for Regional and World Radiocommunication Conferences.
  - 3.2 Working Group on Terrestrial Fixed and Mobile Radiocommunication Services.
  - 3.3 Working Group on Satellite Systems to Provide Fixed and Mobile Services.
  - 3.4 Working Group on Broadcasting.
  - 3.5 Rapporteur Group on the Technical and Regulatory Aspects Related to the Effects of Electromagnetic Non-ionizing Emissions.
  - 3.6 Ad Hoc Group on the Strategic Plan of PCC.II.
  - 3.7 Ad Hoc Group on Allocation of the Digital Dividend Spectrum Resulting from the Transition to Digital Television and Opportunities for Convergent Applications.
4. Agenda, Venue and Date of the XXI Meeting of PCC.II.
  5. Other matters.
  6. Approval of the Final Report of the XX Meeting.

### **DRAFT AGENDAS OF WORKING GROUPS**

#### **3.1 Working Group on the preparation of CITELE for Regional and World Radiocommunication Conferences**

1. Presentation and approval of the agenda.
2. Working methods.  
Preparation for the Radiocommunications Assembly (RA-15) and the World Radiocommunication Conference (WRC-15).
3. Other matters.

#### **3.2 Working Group on Terrestrial Fixed and Mobile Radiocommunication Services**

1. Approval of the agenda.
2. Draft new Recommendations:
  - 2.1 Broadband Power Line Communications.
  - 2.2 White Space in broadcasting bands.
3. Update of PCC.II Recommendations.
  - 3.1 Recommendation on very low power devices.
4. Issues under discussion:
  - 4.1 IMT implementation in Region 2.
  - 4.2 Available frequencies for emergency situations.
  - 4.3 Implementation of digital divide in the 700 MHz band.
5. New issues:
  - 5.1 Broadband Wireless Access (BWA), including convergence between Fixed and Mobile Service.
  - 5.2 Allocation to Radiolocation Services.

- 5.3 Analysis, revision and discussion of issues that appear as a result of technological development (UWB, cognitive radio, etc).
- 6. Work Plan.
- 7. Other issues.
  - 7.1 Introduction of new systems in the Aeronautical Mobile Service (R) – AMS(R).

### **3.3 Working Group on satellite systems to provide fixed and mobile services**

- 1. Approval of the agenda.
- 2. General guidelines for issuing licenses for Networks of Global Mobile Personal Communications Systems (GMPCS).
- 3. Procedures to be used for the authorization of earth stations on board vessels (ESV).
- 4. Implementation of regulations that facilitate deployment of satellite services.
- 5. Harmful interference from unauthorized transmissions in satellite networks.
- 6. C and Ku band use, operation and applications.
- 7. Existing databases on satellite systems.
- 8. Technical and regulatory aspects in Appendix 30B of the ITU's Radiocommunications Regulations.
- 9. Use of satellite systems for public protection and rescue operations (PPRO).
- 10. Use of Integrated Systems as an emerging element of Next Generation Networks (NGN).
- 11. Work Plan.
- 12. Other business.

### **3.4 Working Group on Broadcasting**

- 1. Opening remarks.
- 2. Approval of the agenda.
- 3. Consideration of the inputs documents on:
  - 3.1 Digital Television.
  - 3.2 Digital Sound Broadcasting.
  - 3.3 Spectrum Usage and New Technologies for Broadcasting.
  - 3.4 Rio Janeiro 1981 Agreement.
- 4. Review of the Work Plan.
- 5. Other business.

### **3.5 Rapporteur Group on the Technical and Regulatory Aspects Related to the Effects of Electromagnetic Non-ionizing Emissions (NIR)**

- 1. Opening remarks and approval of the agenda.
- 2. Systems of measurements of NIR.
- 3. Report of the status of advance of the studies of the Rapporteur Group.
- 4. Work Plan.
- 5. Other business.

### **3.6 Ad Hoc Group on the Strategic Plan of PCC.II.**

- 1. Welcoming remarks and approval of the agenda.

2. Group Structure
4. Work plan and work methods 2012-2015
5. Other business.

**3.7 Ad Hoc Group on Allocation of the Digital Dividend Spectrum Resulting from the Transition to Digital Television and Opportunities for Convergent Applications.**

1. Approval of the agenda.
2. Presentation of advances of options considered for harmonizing and optimizing spectrum use resulting from the transition to digital television.
3. Proposed coordination mechanisms to facilitate the introduction of new services and applications.
4. Presentation and discussion of contributions received.
5. Review of the Work Plan.
6. Other business.

**PCC.II/RES. 82 (XIX-12)<sup>3</sup>**

**STRUCTURE OF THE WORKING GROUP FOR PREPARATION OF CITEL FOR REGIONAL AND WORLD RADIOCOMMUNICATION CONFERENCES PREPARATION FOR WRC-15**

The XIX meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**TAKING INTO ACCOUNT:**

That the working structure used for preparations for the World Radiocommunication Conference of 2012 (WRC-12) was adequate to fulfill the objectives of CITEL,

**CONSIDERING:**

That WRC-12, by Resolution **807 (WRC-12)** “Agenda for the 2015 World Radiocommunication Conference”, recommended to the Council of the ITU the agenda to be considered at WRC-15,

**RESOLVES:**

To adopt the structure of the Working Group for the Preparation of CITEL for Regional and World Radiocommunication Conferences, for preparation of the World Radiocommunication Conferences of 2015 (CMR-15), the details of which are as follows:

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<sup>3</sup> CCP.II-RADIO/doc. 2977/12

Sub-Group	Agenda item	DETAIL
GT1 Mobile and fixed	1.1	to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution <b>233 (WRC-12)</b> ;
	1.2	to examine the results of ITU-R studies, in accordance with Resolution <b>232 (WRC-12)</b> , on the use of the frequency band 694-790 MHz by the mobile, except aeronautical mobile, service in Region 1 and take the appropriate measures;
	1.3	to review and revise Resolution <b>646 (Rev.WRC-12)</b> for broadband public protection and disaster relief (PPDR), in accordance with Resolution <b>648 (WRC-12)</b> ;
GT2 Amateurs, aeronautical, maritime and radiolocalization	1.15	to consider spectrum demands for on-board communication stations in the maritime mobile service in accordance with Resolution <b>358 (WRC-12)</b> ;
	1.16	to consider regulatory provisions and spectrum allocations to enable possible new Automatic Identification System (AIS) technology applications and possible new applications to improve maritime radiocommunication in accordance with Resolution <b>360 (WRC-12)</b> ;
	1.17	to consider possible spectrum requirements and regulatory actions, including appropriate aeronautical allocations, to support wireless avionics intra-communications (WAIC), in accordance with Resolution <b>423 (WRC-12)</b> ;
	1.18	to consider a primary allocation to the radiolocation service for automotive applications in the 77.5-78.0 GHz frequency band in accordance with Resolution <b>654 (WRC-12)</b> ;
	1.4	to consider possible new allocation to the amateur service on a secondary basis within the band 5 250-5 450 kHz in accordance with Resolution <b>649 (WRC-12)</b> ;
	1.5	to consider the use of frequency bands allocated to the fixed-satellite service not subject to Appendices <b>30, 30A and 30B</b> for the control and non-payload communications of unmanned aircraft systems (UAS) in non-segregated airspaces, in accordance with Resolution <b>153 (WRC-12)</b> ;
GT3 Scientific and Mobile by Satellite	1.10	to consider spectrum requirements and possible additional spectrum allocations for the mobile-satellite service in the Earth-to-space and space-to-Earth directions, including the satellite component for broadband applications, including International Mobile Telecommunications (IMT), within the frequency range from 22 GHz to 26 GHz, in accordance with Resolution <b>234 (WRC-12)</b> ;
	1.11	to consider a primary allocation for the Earth exploration-satellite service (Earth-to-space) in the 7-8 GHz range, in accordance with Resolution <b>650 (WRC-12)</b> ;
	1.12	to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz and/or 9 900-10 500 MHz, in accordance with Resolution <b>651 (WRC-12)</b> ;
	1.13	to review No. <b>5.268</b> with a view to examining the possibility for increasing the 5 km distance limitation and allowing space research service (space-to-space) use for proximity operations by space vehicles communicating with an orbiting manned space vehicle, in accordance with Resolution <b>652 (WRC-12)</b> ;
	1.14	to consider the feasibility of achieving a continuous reference time-scale, whether by the modification of coordinated universal time (UTC) or some other method, and take appropriate action, in accordance with Resolution <b>653 (WRC-12)</b> ;
	1.9.2	to consider, in accordance with Resolution <b>758 (WRC-12)</b> : <b>1.9.2</b> the possibility of allocating the bands 7 375-7 750 MHz and 8 025-8 400 MHz to the maritime-mobile satellite service and additional regulatory measures, depending on the results of appropriate studies;
	9.1.1	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on the activities of the Radiocommunication Sector since WRC-12, protection of the systems operating in the mobile-satellite service in the band 406-406.1 MHz, in accordance to Resolution <b>205 (Rev.WRC-12)</b> ;
	7	to consider possible changes, and other options, in response to Resolution <b>86</b>

Sub-Group	Agenda item	DETAIL
GT4  Fixed by satellite and regulatory issues		<b>(Rev. Marrakesh, 2002)</b> of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution <b>86 (Rev.WRC-07)</b> to facilitate rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;
	1.6.1	to consider possible additional primary allocations, to the fixed-satellite service (Earth-to-space and space-to-Earth) of 250 MHz in the range between 10 GHz and 17 GHz in Region 1; and review the regulatory provisions on the current allocations to the fixed-satellite service within each range, taking into account the results of ITU-R studies, in accordance with Resolutions <b>151 (WRC-12)</b> and <b>152 (WRC-12)</b> ;
	1.6.2	to consider possible additional primary allocations: to the fixed-satellite service (Earth-to-space) of 250 MHz in Region 2 and 300 MHz in Region 3 within the range 13-17 GHz; and review the regulatory provisions on the current allocations to the fixed-satellite service within each range, taking into account the results of ITU-R studies, in accordance with Resolutions <b>151 (WRC-12)</b> and <b>152 (WRC-12)</b> ;
	1.7	to review the use of the band 5 091-5 150 MHz by the fixed-satellite service (Earth-to-space) (limited to feeder links of the non-geostationary mobile-satellite systems in the mobile-satellite service) in accordance with Resolution <b>114 (Rev.WRC-12)</b> ;
	1.8	to review the provisions relating to earth stations located on board vessels (ESVs), based on studies conducted in accordance with Resolution <b>909 (WRC-12)</b> ;
	1.9.1	to consider, in accordance with Resolution <b>758 (WRC-12)</b> : 1.9.1 possible new allocations to the fixed-satellite service in the frequency bands 7 150-7 250 MHz (space-to-Earth) and 8 400-8 500 MHz (Earth-to-space), subject to appropriate sharing conditions;
	9.1.2	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on the activities of the Radiocommunication Sector since WRC-12, studies on possible reduction of the coordination arc and technical criteria used in application of No. 9.41 in respect of coordination under No. 9.7, in accordance to Resolution <b>756 (WRC-12)</b> ;
	9.1.3	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on the activities of the Radiocommunication Sector since WRC-12, use of satellite orbital positions and associated frequency spectrum to deliver international public telecommunication services in developing countries , in accordance to Resolution <b>11 (WRC-12)</b> ;
	9.1.5	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on the activities of the Radiocommunication Sector since WRC-12, consideration of technical and regulatory actions in order to support existing and future operation of fixed-satellite service earth stations within the band 3 400-4 200 MHz, as an aid to the safe operation of aircraft and reliable distribution of meteorological information in some countries in Region 1, in accordance to Resolution <b>154 (WRC-12)</b> ;
	9.1.8	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on the activities of the Radiocommunication Sector since WRC-12,, regulatory aspects for nano- and picosatellites, in accordance to Resolution <b>757 (WRC-12)</b> ;
	9.2	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on any difficulties or inconsistencies encountered in the application of the Radio Regulations (satellite issues);
9.3	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on action in response to Resolution <b>80 (Rev.WRC-07)</b> ;	

Sub-Group	Agenda item	DETAIL
GT5  General Issues	2	to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution <b>28 (Rev.WRC-03)</b> , and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with the principles contained in Annex 1 to Resolution <b>27 (Rev.WRC-12)</b> ;
	4	in accordance with Resolution <b>95 (Rev.WRC-07)</b> , to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation;
	8	to consider and take appropriate action on requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, taking into account Resolution <b>26 (Rev.WRC-07)</b> ;
	10	to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, in accordance with Article 7 of the Convention;
	9.1.4	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on the activities of the Radiocommunication Sector since WRC-12, updating and rearrangement of the Radio Regulations, in accordance to Resolution <b>67 (WRC-12)</b> ;
	9.1.6	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on the activities of the Radiocommunication Sector since WRC-12, studies towards review of the definitions of <i>fixed service</i> , <i>fixed station</i> and <i>mobile station</i> , in accordance to Resolution <b>957 (WRC-12)</b> ;
	9.1.7	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on the activities of the Radiocommunication Sector since WRC-12., spectrum management guidelines for emergency and disaster relief radiocommunication, in accordance to Resolution <b>647 (WRC-12)</b> ;
	9.2	to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on any difficulties or inconsistencies encountered in the application of the Radio Regulations (other issues different from satellite).

#### **PCC.II/RES. 83 (XIX-12) <sup>4</sup>**

### **RAPPORTEURSHIP ON ISSUES CONCERNING THE UPDATING AND REVISION OF THE 1981 AND 1988 RIO DE JANEIRO AGREEMENTS**

The XIX Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

#### **CONSIDERING:**

- a) That in Region 2, the use of the AM bands is governed by the 1981 Rio de Janeiro Agreement (RJ81), for the band of 535 to 1605 kHz, and the 1988 Rio de Janeiro Agreement (RJ88), for the band of 1605 to 1705 kHz;
- b) That the technical criteria defined in them, even if they were right at that moment, and the frequency distribution resulting from the Plan, based on demand estimations, have provided little or no

<sup>4</sup> CCP.II-RADIO/doc. 2969/12 rev.3

margin for the modification of characteristics or for the introduction of an assignment in some areas of the Americas region;

c) That, on the other hand, several countries in Region 2 have begun testing or implementing digital sound broadcasting systems for AM broadcasting;

d) That the regulatory provisions of the “RJ81” and “RJ88” Agreements do not permit the introduction of digital modulation in the band they govern because the existing digital systems for this band do not meet the following requirements: (i) that the classes of emission be receivable by receivers employing envelope detectors and (ii) that the systems must occupy a bandwidth not exceeding 10 kHz;

e) That careful planning and technical studies are required to ensure there is no harmful interference from digital emissions into existing or planned AM radio broadcast systems;

f) This, therefore, would require a comprehensive revision and updating of the 1981 and 1988 Río de Janeiro Agreements,

#### **RECOGNIZING:**

a) That the AM band is extensively used by administrations for the provision of broadcasting services;

b) That many administrations have not met the analog services needs due to unavailability of spectrum;

c) That, on the other hand, several administrations have an interest in protecting existing analog services along with the introduction of digital modulation;

d) That a comprehensive review and updating of the 1981 and 1988 Rio de Janeiro Agreements requires the convening of a Regional Radiocommunication Conference of the countries of Region 2;

e) That, according to what has been said and to the results obtained, the possibility to invite all administrations to request the International Telecommunication Union (ITU) the convening of this Regional Conference should be evaluated,

#### **RESOLVES:**

1. To establish a Rapporteurship on issues concerning the updating and revision of the 1981 and 1988 Rio de Janeiro Agreements of the Working Group on Broadcasting of PCC.II whose objective is to compile relevant information for the revision and updating of the 1981 and 1988 Rio de Janeiro Agreements to include the technical criteria for the gradual transition of AM radio broadcasting from analog to digital.

2. To designate Mr. Claudio Castro of the Administration of Argentina as Rapporteur; and as co-Rapporteurs Mr. Thiago Aguiar Soares of the Administration of Brazil , Mr. Javier García of the Administration of Dominican Republic and Mr. Leonardo Marsili of the Administration of Uruguay.

3. To establish that the Rapporteurship shall have a period of two years, renewable, for their activities.

4. To facilitate the launch of activities of the Rapporteurship, to request all administrations to forward to the Rapporteur by September 15, 2012, their replies to the questions below:
  - a) Indicate if you utilize, in your internal technical analyses, criteria other than those established in the 1981 and 1988 Rio de Janeiro Agreements;
  - b) If so, please give details of these differences;
  - c) Inform if you have updated information on maps of ground conductivity;
  - d) Inform if you use the software platform developed by the International Telecommunication Union (ITU) in the early 1980s for technical analyses, or do you use another platform (if so, please indicate which one and specify whether it includes the analog/digital, digital/analog, and digital/digital cases);
  - e) Indicate and describe in detail any proposal you consider useful for the revision and update of the technical criteria, such as levels of nominal usable field strength, protection ratio values, margins for flexibility in coordinating frequencies, etc.
5. To invite all administrations to participate in the activities of the Rapporteurship.
6. To instruct the Secretariat of CITELE to request the Terrestrial Services Department of the Radiocommunication Sector, International Telecommunication Union (ITU-R), the opportunity to provide technical assistance related to the activities of the Rapporteurship, considering that the 1981 and 1988 Río de Janeiro Agreements were adopted under the orbit of this international organization.
7. To request the Executive Secretary of CITELE to immediately send a circular attaching this Resolution and urging the administrations to provide the information mentioned in *resolves* 4 above.
8. To request the Executive Secretary of CITELE to report to the Chair of PCC.II and to the Chair of the Working Group on Broadcasting the responses of the diverse administrations.
9. To invite the Chairman of the Working Group on Broadcasting to prepare and present a progress report to the Plenary of the each PCC.II meeting regarding the activities of the Rapporteurship during the time the Rapporteurship will be performing.

**PCC.II RES. 84 (XIX-12)<sup>5</sup>**

**PROJECT “NON-IONIZING RADIATION (NIR) AND HEALTH PROTECTION” SUBMITTED  
AT THE “CONNECT AMERICAS” SUMMIT**

The XIX Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**HAVING SEEN:**

- a) That the “Connect Americas” Summit, one of the five Regional Summits organized by the International Telecommunication Union (ITU) as part of the Connect the World Initiative, which purpose is to mobilize human, financial, and technical resources to implement the connectivity goals established by the World Summit on the Information Society (WSIS) and the regional initiatives adopted by Member States, at the World Telecommunication Development Conference (WTDC), will take place from 17 to 19 July, 2012 in the city of Panama;
- b) That the XXV Meeting of the Permanent Executive Committee of CITEI (COM/CITEI) adopted Decision COM/CITEI DEC.79 (XXV-11) “Connect Americas Summit” and instructed Secretariat of CITEI to collaborate closely with ITU’s Regional Office in the organization of the Connect the Americas Summit and requested the Chairman of the Working Group on Development of PCC.I to collaborate closely with Secretariat of CITEI in the preparatory process of said Summit;
- c) That the Permanent Consultative Committee I: Telecommunications/ICT, through the Working Group on Development, has made significant progress in the preparations for the “Connect Americas” Summit, through the identification of potential strategic partners to take care of regional priorities,

**CONSIDERING:**

- a) That the Rapporteurship on Technical and Regulatory Aspects relative to the Effects of Non-Ionizing Radiations (NIR) of the PCC.II, through its Rapporteur, has actively participated together with the ITU in the development of the “Non-Ionizing Radiations (NIR) and Health Protection” Project for the Latin American Region, which, if it is effectively achieved, will benefit various countries of the region;
- b) That this Project will be submitted by ITU at the “Connect Americas” Summit with the aim of obtaining financing for its implementation;
- c) That the apprehension of the general population with regard to radiation and the lack of understanding on this subject by authorities outside of the telecommunications realm are still causing serious difficulties in obtaining authorizations for the deployment of infrastructure for wireless telecommunication services;
- d) That it is extremely important to make progress in the resolution of this issue so as to implement said Project;
- e) That due to the difficulties in deploying wireless networks that prevent the development of telecommunications, and the consequent social inclusion, and overcoming of the digital divide, the

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<sup>5</sup> CCP.II-RADIO/doc. 2920/12 rev.1

PCC.II has decided to support this Project and has instructed the Executive Secretary to formally communicate with the ITU that the PCC.II wishes to participate as a strategic partner in said Project.

f) That this Project is in full agreement with the proposals of said Rapporteurship and with the Recommendations of the PCC.II on this issue;

g) That the support of the PCC.II is also relevant to promote this Project,

**TAKING INTO ACCOUNT:**

a) That the Project will be effectively carried out only if the necessary funding is obtained;

b) That the Inter-American Development Bank (IDB) has previously financed projects related to the telecommunication development in our Region;

c) That both CITELE and the IDB are part of the Inter-American System,

**RESOLVES:**

1. To support the participation of the PCC.II of CITELE as a strategic partner in the Project “non-ionizing radiation (NIR) and health protection” submitted by ITU at the “Connect Americas” Summit.

2. To request the IDB for the financing support necessary for the implementation of the Project within the framework of IDB’s non-refundable financing programs.

3. To invite Member States and potential beneficiaries of the Project to communicate, both with the ITU and the IDB, their intention to participate in the same.

4. To invite Member States and Associate Members to actively collaborate in the identification of stakeholders to join the Project, in providing funding and submitting contributions in kind.

**REQUESTS:**

1. The Rapporteur on Technical and Regulatory Aspects related to NIR, in coordination with the Chairman of PCC.II and with Secretariat of CITELE, to inform the International Telecommunication Union (ITU) at the “Connect Americas” Summit, the special interest that PCC.II has in this Project.

2. To the Secretariat of CITELE:

a) To formally inform the ITU the intention of PCC.II to participate as a strategic partner in the “non-ionizing radiation (NIR) and health protection” Project

b) To formally request the IDB financing support for the Project.

c) To make the invitations referred to in paragraphs 3 and 4 of the *resolves*.

d) To provide the necessary support to achieve what is stated in the *resolves*.

#### IV. RECOMMENDATIONS

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### PCC.II/REC. 32 (XIX-12) <sup>6</sup>

#### FREQUENCY ARRANGEMENTS FOR THE BANDS IDENTIFIED FOR INTERNATIONAL MOBILE TELECOMMUNICATIONS AT WRC-07

The XIX Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

#### CONSIDERING:

a) That the ITU Radio Regulations identify the bands in the following table as intended for use by administrations wishing to implement IMT, including IMT-2000 and IMT-Advanced. This identification does not preclude the use of these bands by any application of the services to which they are allocated or identified and does not establish priority in the Radio Regulations. It has to be noted that different regulatory provisions apply to each band. The Regional deviations for each band are described in the different footnotes applying in each band, as shown in the table:

Band (MHz)	Footnotes identifying the band for IMT
450-470	5.286AA
698-960	5.312A, 5.313A; 5.317A
1 710-2 025	5.384A, 5.388
2 110-2 200	5.388
2 300-2 400	5.384A
2 500-2 690	5.384A
3 400-3 600	5.430A, 5.432A, 5.432B, 5.433A

*Note: The band 3 400-3 600 MHz has not been identified for IMT in Region 2*

b) That Recommendation ITU-R M.1036-4 “Frequency arrangements for implementation of the terrestrial component of International Mobile Telecommunications (IMT) in the bands identified for IMT in the Radio Regulations (RR)” covers international frequency arrangements for all the bands identified for IMT in the ITU Radio Regulations;

c) That Recommendation PCC.II/REC. 8 (IV-04) covers frequency arrangements for the bands 806-960 MHz, 1 710-1 885 MHz, 1 885-2 025 MHz, 2 110-2 200 MHz and 2 500-2 690 MHz, and new IMT frequency arrangements need to be recommended for the bands 450-470 MHz, 698-806 MHz, and 2 300-2 400 MHz in the Americas;

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<sup>6</sup> CCP.II-RADIO/doc. 2962/12 rev.2

- d) That CITELE Recommendation PCC.III/REC.12 (III-95) “Designation of Spectrum for Personal Communications Systems in the Americas in the 2 GHz Band” recommends that PCS systems consider strategies for the evolution towards 3G;
- e) That CITELE Recommendation PCC.II/REC.7 (III-04) “Frequency Arrangements for Implementation of the Terrestrial Component of International Mobile Telecommunication 2000 (IMT-2000) in the Bands 2500-2690 MHz” provides recommendations for planning the implementation of IMT-2000 in the band 2500-2690 MHz;
- f) Recommendation PCC.II/REC. 30 (XVIII-11) “Frequency arrangements of the 698–806 MHz band in the Americas for broadband mobile services”.
- g) Recommendation PCC.II / REC. 31 (XVIII-11) “Harmonized use of the 450-470 MHz band for fixed and mobile broadband wireless services particularly in underserved areas”.
- h) That IMT, including IMT-2000 and IMT-Advanced, represents an opportunity for a major improvement in mobile or portable communication services for individuals or businesses which would be integrated into a variety of competing networks;
- i) That spectrum arrangements should be defined which are technology neutral i.e. any of the proposed IMT technologies can be used in these bands;
- j) That the bands identified for IMT should be considered on a global basis as a set, to achieve a comprehensive, global solution that will ensure that there is an approach that meets all requirements and that a significant level of interoperability is achieved;
- k) That not only the harmonization work in ITU but also the harmonization work in CEPT and APT need to be taken into consideration in defining frequency arrangements;
- l) That administrations should harmonize frequency arrangements to the greatest extent possible to facilitate worldwide compatibility, global roaming and create economies of scale;
- m) That common frequency bands and duplex separation are desirable to enable economies of scale in the implementation of IMT networks;
- n) That evolution from pre-IMT-2000 systems to IMT-2000 and IMT-Advanced is enabled by providing compatible frequency arrangements thus leading to flexible regulatory approach;
- o) That indication of mobile transmit or base transmit operation does not preclude the use of these frequency bands for TDD applications;
- p) That the IMT identified bands are shared on a co-primary basis with other Services, which should be protected accordingly, and
- q) That CITELE members may have different requirements for the use of these bands,

**RECOMMENDS:**

1. That CITELE Member States consider identifying spectrum for IMT systems based on the following principles:

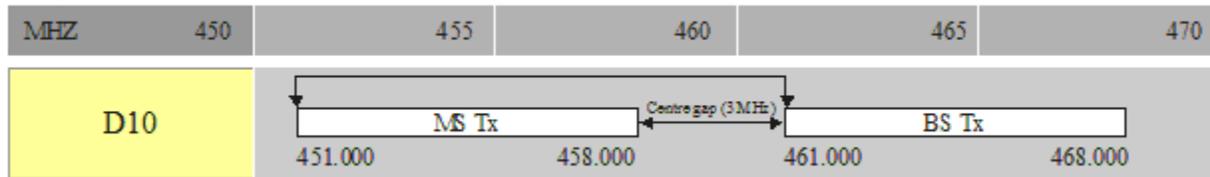
- a) Maximize harmonization of the IMT identified bands, within Region 2 as well as with Regions 1 and 3;
- b) Maximize harmonization with the global Base Transmit Bands;
- c) Facilitate global roaming and economies of scale.

2. That for the purpose of economies of scale and roaming, CITEL Member States that consider using only one part of one frequency band, take into account that channel pairing should be consistent with the duplex frequency separations of the full frequency arrangement corresponding to the selected arrangement.

3. That CITEL Member States consider selecting from the following frequency arrangements for the bands 450-470 MHz, 698-806 MHz, and 2 300-2 400 MHz in the Americas.

**450-470 MHz:**

For the new allocations in the 450-470 MHz administrations preferably adopt the frequency arrangement D10 (451-458/461-468 MHz) in Recommendation ITU-R M.1036-4:



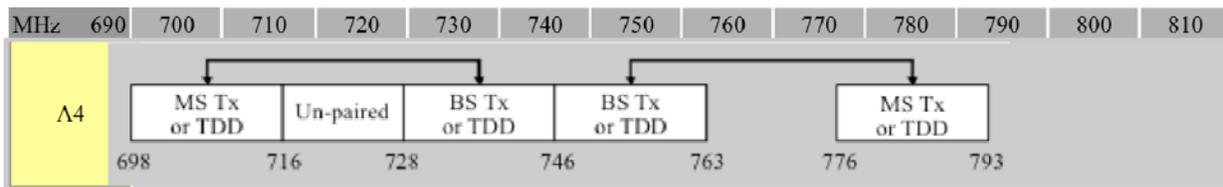
That those administrations that are unable to adopt the D10 frequency arrangement, preferably allocate two paired blocks of 7 MHz in the mentioned band, with 10 MHz duplex separation, this being the lowest frequency block for transmission from the mobile terminal and the higher frequency block for transmission from the base station;

**698-806 MHz:**

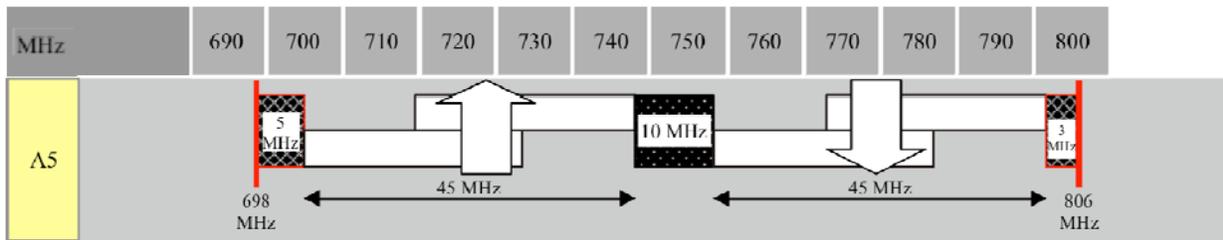
*Source: Recommendation PCC.II/REC. 30 (XVIII-11)*

That CITEL administrations that plan to use the 698 to 806 MHz band for broadband mobile services, consider for such segment the adoption of one of the channeling options specified in Recommendation ITU-R M.1036-4, including the related notes:

**Option 1 (A4)**



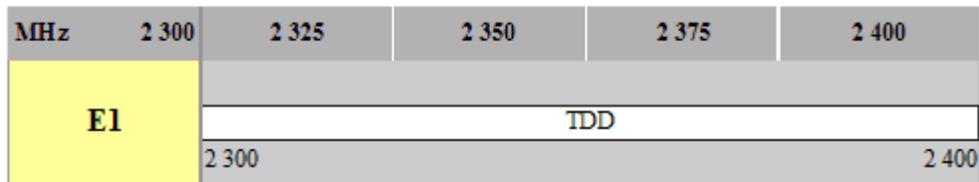
**Option 2 (A5)**



With the adoption, in any case, of the measures needed to protect the radio broadcasting service and ensure RFI compatibility among broadband mobile services.

**2 300-2 400 MHz:**

The recommended frequency arrangement for implementation of IMT in the band 2 300 2 400 MHz is for TDD as shown in the figure below:



**PCC.II/REC. 33 (XIX-12)<sup>7</sup>**

**HARMONIZATION IN THE AMERICAS OF THE PRIMARY ALLOCATION OF THE BAND  
698 – 806 MHZ TO THE MOBILE SERVICE**

The XIX Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**CONSIDERING:**

- a) That a need exists in the Region 2 countries to fulfill the fundamental objectives of universal access and service for our citizens to the Internet and the Information Society, since they are fundamental elements of development and economic progress in our societies, especially in developing countries;
- b) That for many citizens of our countries, the mobile service will be the first and perhaps the only means of connectivity and of access to the Internet and the Information Society;
- c) That in many developing countries and countries with large areas of low population density, sustainable implementation of mobile broadband services is needed;
- d) That digitalization of analog TV and the resulting digital dividend represent a significant opportunity for major reorganization and reallocation of the radio spectrum, which is a scarce national resource that should be allocated in accordance with the best use demanded by a country's inhabitants;
- e) That spectrum harmonization among the countries of a region or of different regions is critical since it provides benefits of economies of scale, which increases the possibility of access by lowest-income sectors,

**RECOGNIZING:**

- a) That the 2007 World Radiocommunication Conference (WRC-07) made a primary allocation in Region 2 of the band 698 - 806 MHz to the mobile service;
- b) That note 5.313B of the Radio Regulations establishes a different category of service, indicating that in Brazil, the allocation of this band to the mobile service is on a secondary basis;
- c) That PCC.II, at its XVIII Meeting, in 2011, adopted Recommendation PCC.II/REC. 30 (XVIII-11), which establishes frequency arrangement options in the Americas for the band 698 – 806 MHz for broadband mobile services;
- d) That different countries of our region have now included in their national frequency allocation tables a primary allocation of the band 698-806 MHz to the mobile service;
- e) That at least one country of our region has networks operating in this band for provision of mobile services;
- f) That the necessary measures should be taken to protect existing or planned services in the adjacent bands,

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<sup>7</sup> CCP.II-RADIO/doc. 2970/12 cor.2

**RECOMMENDS:**

That CITEL administrations planning to utilize the band 698 - 806 MHz for mobile services include a primary allocation to the mobile service in their respective national tables of frequency allocations, as soon as possible.

## V. DECISIONS

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### PCC.II/DEC. 129 (XIX-12)<sup>8</sup>

#### **RECOGNITION TO THE CHAIRS, VICECHAIRS AND COORDINATORS OF THE WORKING GROUP TO PREPARE FOR THE 2012 WRC-12**

The XIX Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

#### **DECIDES:**

1. To instruct the Executive Secretary to send a communication to:
  - a) The administrations of Brazil, Uruguay and United States of America expressing recognition of and congratulations and appreciation of the Permanent Consultative Committee II for the excellent coordination work done by Mr. Maximiliano Martinhão as Chair and Mr. João Carlos Albernaz as Acting Chair during WRC-12 and Mr. Héctor Budé and Mr. Carmelo Rivera as Vice Chairs of the Working Group to prepare for the 2012 World Radiocommunication Conference (WRC-12).
  - b) The administrations of the coordinators and vice-coordinators of Subgroups and the coordinators and alternate coordinators of agenda items thanking them for the excellent work done before and during WRC-12 that resulted in a significant number of inter-american proposals to be accepted by WRC-12.
2. To thank the Secretariat of CITEL for all the excellent support done during the preparation of WRC-12 and during the meeting itself.

### PCC.II/DEC. 130 (XIX-12)<sup>9</sup>

#### **SELECTION OF WRC-WG CHAPTER CHAIRMEN AND AGENDA ITEM RAPORTEURS FOR WRC-15**

The XIX Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

#### **DECIDES:**

1. To coordinate the Annex to this decision electronically between the XIX and XX meetings of PCC.II with a view to finalize the document at the XX meeting.

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<sup>8</sup> CCP.II-RADIO/doc. 2964/12

<sup>9</sup> CCP.II-RADIO/doc. 2967/12 rev.1

2. To instruct the Secretariat of CITEI to distribute instructions to PCC.II Member States in participation of the CITEI virtual community.

**ANNEX TO DECISION PCC.II/DEC. 130 (XIX-12)**

**DRAFT TABLES FOR DESIGNATION OF CHAPTER COORDINATORS AND ALTERNATE COORDINATORS**

<b>Working Sub-Group</b>	<b>Issues</b>	<b>Agenda Items</b>	<b>Coordinator</b>	<b>Vice - Coordinator</b>
SGT-1	MOBILE & FIXED	1.1, 1.2, 1.3	Mr. Marco ANTONIO - Guatemala	Canada
SGT-2	RADIOLOCATION, AMATEURS, MARITIME & AERONAUTICAL	1.4, 1.5, 1.15, 1.16, 1.17, 1.18	Mr. Javier GARCIA - Dominican Republic	
SGT-3	SPACE SCIENCE & MSS	1.10, 1.11, 1.12, 1.13, 1.14, 1.9.2, 9.1.1		Canada
SGT-4	FSS & SATELLITE REGULATORY	1.6.1, 1.6.2, 1.7, 1.8, 1.9.1, 7, 9.1.2, 9.1.3, 9.1.5, 9.1.8, 9.3	Mr. Fernando CARRILLO - Mexico	Mr. Jerry CONNER - United States of America Ms. Chantal BEAUMIER - Canada
SGT-5	GENERAL REGULATORY, FUTURE WORK & OTHER	2, 4, 8, 9.1.4, 9.1.6, 9.1.7, 9.2, 10	Mr. Carmelo RIVERA - United States of America	Mr. Victor VALENCIA - Colombia

**DRAFT TABLE FOR DESIGNATION OF AGENDA ITEM RAPORTEURS AND  
ALTERNATE RAPORTEURS**

Agenda item	Name of candidate rapporteur CITEL	Country of candidate rapporteur CITEL	Contact information of the candidate rapporteur of CITEL (e-mail, telephone and cell phone numbers)	Name of candidate alternate rapporteur CITEL	Country of candidate alternate rapporteur CITEL	Contact information of the candidate alternate rapporteur of CITEL (e-mail, telephone and cell phone numbers)
1.1		Brazil			Mexico Colombia	
1.2						
1.3		Mexico			Colombia	
1.4						
1.5		United States of America				
1.6.1						
1.6.2						
1.7						
1.8						
1.9.1						
1.9.2						
1.10						
1.11		United States of America			Canada	
1.12						
1.13						
1.14					Canada	
1.15		Colombia				

Agenda item	Name of candidate for rapporteur of CITES	Country of candidate for rapporteur	Contact information of the candidate for rapporteur of CITES (e-mail, telephone and cell phone numbers)	Name of alternate candidate for rapporteur of CITES	Country of alternate candidate for rapporteur of CITES	Contact information of alternate candidate for rapporteur of CITES (e-mail, telephone and cell phone numbers)
1.16		United States of America			Colombia	
1.17					*[ United States of America]	
1.18						
2						
4						
7		Argentina Mexico			United States of America Canada	
9.1.1		*[ United States of America]			Canada	
9.1.2		Colombia Canada				
9.1.3		Colombia				
9.1.4						
9.1.5						
9.1.6		Colombia				
9.1.7		Colombia				
9.1.8					Canada	
10		United States of America				

Administration names in square brackets may be moved to alternate rapporteur position or removed entirely if another administration is interested in filling the position.

**PCC.II/DEC. 131 (XIX-12)<sup>10</sup>**

**CREATING A VIRTUAL COMMUNITY TO ADVANCE IN DISCUSSIONS ON POSSIBLE IMPROVEMENTS TO RESOLUTION PCC.II/RES. 64 (XV-10)**

The XIX Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II):

**DECIDES:**

1. To ask the Secretariat of CITEL to create a virtual community for RA-WRC-15 that includes a forum to address possible improvements to Resolution PCC.II/RES. 64 (XV-10) “INTER-AMERICAN PROPOSALS FOR WORLD RADIOCOMMUNICATION CONFERENCES”.
2. To appoint a person duly authorized by the Administration of Colombia to coordinate this virtual community.
3. To finalize discussions regarding Resolution PCC.II/RES. 64 (XV-10) in time to make the final decisions during XX meeting of the PCC.II.
4. To implement, if deemed necessary, increasing levels of virtualization during informal meetings, in August and September, 2012, to put into practice new ways to interact and advance in a more efficient manner with respect to work at the regional level in preparation for WRC -15.
5. To request the members to actively participate between meetings XIX and XX of the PCC.II of CITEL, in the virtual communities created for that purpose.
6. To use the guidelines and questions included in Annex 1 of document CCP.II-RADIO/doc. 2972/12 as guidance for analysis

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<sup>10</sup> CCP.II-RADIO/doc. 2973/12

**QUESTIONNAIRE ABOUT REGULATIONS ON MOBILE COMMUNICATIONS ON BOARD AIRCRAFT<sup>12,13</sup>**

The XIX Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**DECIDES:**

To request the Secretariat of CITEI to send the following questionnaire to Member States for completion and return as contributions for subsequent meetings:

**Regulatory framework:**

1. Regulatory framework for the authorization of mobile communication services known as Mobile Communications onboard Aircraft (MCA)<sup>14</sup> for passengers on aircraft while in flight.
2. There is a large number of avionic systems operating on aircraft, including safety-of-life avionics. If MCA systems were to be deployed, what regulatory considerations would be needed to ensure protection of other avionics, including safety-of-life systems?
3. Do you believe a multilateral approach is needed for this service, working jointly with other countries to develop one single regulatory and technical framework in the Americas, as other regions of the world have done?

**Technical requirements:**

4. What technical or operational requirements do you believe would have to be required of suppliers of this service to implement this business model on board both domestic aircraft interested in providing this service to local airline passengers and foreign aircraft already authorized to provide this service in their countries of registration but cannot provide this service in the airspace of other countries where it has not been authorized?
5. Information about frequency bands used for both access and transport (if applicable).
6. Technical or operational requirements to implement wireless internet services (such as WiFi)[2] on board an aircraft while in flight.

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<sup>11</sup> CCP.II-RADIO/doc. 2980/12

<sup>12</sup> This questionnaire and any related work in CITEI PCC.II is not related to WRC-15 Agenda Item 1.17, Wireless Avionic Intra-Communications (WAIC).

<sup>13</sup> ITU-R Working Party 5A is developing a report on Systems for Public Mobile Communications with Aircraft and plans to progress the work at its next meeting in November 2012 meeting.

<sup>14</sup> For example systems as described in Electronic Communications Committee (ECC) Decision (ECC/DEC/(06)07): *On the armonised use of airborne GSM systems in the frequency bands 1710-1785 and 1805-1880 MHZ*, 1 December 2006.

**REVISION OF DOCUMENTS SUBMITTED BY THE WORKING GROUP ON FIXED AND MOBILE RADIOCOMMUNICATION SERVICES**

The XIX meeting of the Permanent Consultative Committee II: Radiocommunications Including Broadcasting.

**DECIDES:**

1. To instruct the Executive Secretary of CITELE to send a communication to the Member administrations of CITELE, requesting them to submit comments and/or proposals with respect to the documents listed below:

- CCP.II-RADIO/doc. 2922/12 rev.1 “WORKING GROUPS ON SATELLITE SYSTEMS FOR THE PROVISION OF FIXED AND MOBILE SERVICES”
- CCP.II-RADIO/doc. 2924/12 rev.2 “PROPOSAL FOR MODIFICATION OF RECOMMENDATION PCC. III/REC. 62 (XVIII-01) “FACILITATING THE INTRODUCTION OF BROADBAND FSS KA-BAND SYSTEMS IN THE AMERICAS”

2. To instruct the Executive Secretary of CITELE that the following document that has been revised by the Working Group on Fixed and Mobile Terrestrial Systems be included in the discussion at the next meeting by the Working Group relative to satellite systems for the provision of fixed and mobile services.

- CCP.II-RADIO/doc. 2917/12 “FREQUENCY ARRANGEMENT FOR TERRESTRIAL MOBILE SYSTEMS ON THE 3.4 TO 3.8 GHz BAND”

3. To request the Secretariat of CITELE to ask the administrations of Member States to submit to the next meeting of the PCC.II information on recent or ongoing review processes concerning:

- a) Registration, licensing, fees, permits and other procedures required to be carried out by space operators and earth station operators in each country;
- b) Space policies;
- c) Technical regulations on the operation of space and earth stations;
- d) Satellite industry market or competition studies.
- e) Theoretical studies on the maximum capacity of orbital and spectrum resources used by the various space radiocommunication services.

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<sup>15</sup> CCP.II-RADIO/doc. 2974/12 rev.1

**PCC.II/DEC. 134 (XIX-12)<sup>16</sup>**

**INCLUSION OF DOCUMENT NUMBERS ON THE LIST OF BASIC DOCUMENTS OF THE FINAL REPORTS OF PCC.II**

The XIX meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**DECIDES:**

1. To instruct the Secretariat of CITELE to include in each final report of PCC.II the document numbers associated with their hyperlink of the working groups and ad hoc groups reports, from this meeting.
2. To instruct the Secretariat of CITELE to communicate this decision to the PCC.I. in order to evaluate the possibility of incorporating this information in their final reports to maintain uniformity between Consultative Committees.

**PCC.II/DEC. 135 (XIX-12)<sup>17</sup>**

**COORDINATION OF VIRTUAL MEETINGS ON SPECIFIC SUBJECTS, TRAINING AND VIRTUALIZATION OF PCC.II**

The XIX Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**DECIDES:**

1. To hold virtual meetings on specific matters related to the mandate of PCC.II and its working groups and ad hoc groups as a means of increasing efficiency and participation in the work of PCC.II.
2. To hold training sessions via virtual meetings on specific matters under discussion in PCC.II and its working groups and ad hoc groups.
3. To utilize virtual means to increase participation in the work of PCC.II.
4. To instruct the Secretariat of CITELE:
  - a) To investigate the possible impacts related to implementation of this decision, including budgetary, translation, and technical issues
  - b) To request from the associate members any instruction, training, and technology transfer activities they need or wish to provide to the members.

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<sup>16</sup> CCP.II-RADIO/doc. 2975/12 rev.1

<sup>17</sup> CCP.II-RADIO/doc. 2983/12

- c) To report its findings at the XX meeting of PCC.II.

**PCC.II/DEC. 136 (XIX-12)<sup>18</sup>**

**SURVEY ON IDENTIFYING NEEDS OF MEMBER STATES REGARDING NON-IONIZING RADIATION (NIR)**

The XIX Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**DECIDES:**

1. To request the Secretariat of CITEI to distribute to the member state administrations the survey annexed hereto in order to assess aspects related to needs, regulatory measures, projects, policies, and plans implemented in connection with non-ionizing radiation and to take it as a basis for formulating regional strategies.
2. To instruct the Rapporteurship on the Technical and Regulatory Aspects Related to the Effects of Electromagnetic Non-Ionizing Emissions to provide to the Secretariat of CITEI the support needed to implement *decides* 1.

**ANNEX TO DECISION PCC.II/DEC. 136 (XIX-12)**

**REGIONAL SURVEY**

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

**INFORMATION ON PARTY SURVEYED:**

Name of organization:	
Country:	
Party responsible for survey:	
E-mail address:	
Contact telephone:	

1. On the scale of 1 to 5 below, please indicate with an X the level of sensitivity of your country's population to the health effects of non-ionizing radiation. Also please provide a brief description.

1. VERY LOW	
2. LOW	
3. MEDIUM	
4. HIGH	

<sup>18</sup> CCP.II-RADIO/doc. 2994/12

5. VERY HIGH	
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Description	
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2. In your country, have perceptions regarding the effects of non-ionizing radiation hindered the deployment of telecommunication infrastructure and normal delivery of telecommunication services? Please mark X below and provide a brief description.

YES	
NO	

Description	
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3. Are local regulations on non-ionizing radiation and the environment harmonized throughout your national territory? Please mark X below and provide a brief description.

YES	
NO	

Description	
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4. Does your country have policies on electromagnetic non-ionizing emissions? If so, briefly describe the reasons for their adoption.

YES	
NO	

Description	
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5. Does your country have in place rules on electromagnetic non-ionizing emissions? If so, please indicate the number of each measure, its title or caption, and links, if any, where these measures can be accessed.

YES	<input type="checkbox"/>
NO	<input type="checkbox"/>

No. of rule	
Title or caption	

No. of rule	
Title or caption	

No. of rule	
Title or caption	

6. In your country, have events been held, such as forums, seminars, and workshops, on aspects related to the effects of electromagnetic non-ionizing emissions? (Mark X). If so, and if available, provide links where the reports or results of these events can be accessed.

YES	<input type="checkbox"/>
NO	<input type="checkbox"/>

Type of event	
Brief description of agenda	

7. Has your Administration conducted technical or scientific studies on the effects of electromagnetic non-ionizing emissions? (Please mark X and briefly describe).

YES	<input type="checkbox"/>
NO	<input type="checkbox"/>

Description	
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8. Does your Administration technical control of electromagnetic field levels? If so, please briefly describe the methods and systems used. (Please mark X and briefly describe).

YES	<input type="checkbox"/>
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NO	<input type="checkbox"/>
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Description	
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9. Has your Administration formulated plans and projects to mitigate the impact of electromagnetic non-ionizing emissions? (Please mark X and briefly describe).

YES	<input type="checkbox"/>
NO	<input type="checkbox"/>

Description	
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10. Does your country have statistics or indicators of electromagnetic non-ionizing emissions? If so, please provide these statistics or attach the document hereto.

YES	<input type="checkbox"/>
NO	<input type="checkbox"/>

Description	
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11. What specific actions do you consider should be executed or promoted through CITELE and the member states to address topics related to electromagnetic non-ionizing emissions? Please mark X. More than one topic may be selected.

<input type="checkbox"/>	Seminars, forums, and debates on NIR.
<input type="checkbox"/>	Identify projects at the global level on NIR.
<input type="checkbox"/>	Make recommendations to the member administrations of CITELE.
<input type="checkbox"/>	Promote the creation of NIR research and development funds.
<input type="checkbox"/>	Generate strategic NIR regional action plans for implementation.
<input type="checkbox"/>	Conduct dissemination and public information campaigns in the member states on NIR.
<input type="checkbox"/>	Other. Please describe.

**PCC.II/DEC. 137 (XIX-12)<sup>19</sup>**

**CREATION OF A VIRTUAL COMMUNITY AT CITEL'S WEBSITE TO UPDATE  
INFORMATION OF THE DIGITAL TERRESTRIAL TELEVISION BROADCASTING  
IMPLEMENTATION GUIDE**

The XIX Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**DECIDES:**

1. To create a virtual community within the framework of CITEL, using the available OAS tools for sharing documents between members, in order to optimize the process of updating the content of the Digital Terrestrial Television Broadcasting Implementation Guide, improving its accuracy and completeness.
2. To urge administrations to review their previously provided material and the content of document CCP.II-RADIO/doc.2979/12 specially the table that provides summarized information about Digital Terrestrial Television Broadcasting implementation at the region.
3. To encourage administrations that have not yet provided text to submit updated information about national perspectives of the transition from analog to digital television, using the tools of the virtual community.
4. To instruct the Secretariat of CITEL to carry out the necessary actions to enable the tools as soon as possible and to serve as the contact point within the OAS.

**PCC.II/DEC. 138 (XIX-12)<sup>20</sup>**

**INCLUSION OF A PROPOSAL TO ESTABLISH A WORKING GROUP ON SPECTRUM  
MANAGEMENT PROCESSES WITHIN THE AGENDA TO BE ADDRESSED DURING THE  
XX MEETING OF PCC.II**

The XIX meeting of the Permanent Consultative Committee II: Radiocommunication including Broadcasting (PCC.II),

**DECIDES:**

1. To include a proposal submitted by the administration of Colombia (document CCP.II-RADIO/doc. 2959/12 rev.1) to establish a working group on spectrum Management processes within the agenda to be considered during the XX Meeting of the Permanent Consultative Committee II: Radiocommunication including Broadcasting, to be held in Mexico on October 22 to 27, 2012.

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<sup>19</sup> CCP.II-RADIO/doc. 2971/12 rev.1

<sup>20</sup> CCP.II-RADIO/doc. 2982/12 rev.1

2. To urge the administration of Colombia to collect contributions from other Member States to adjust the proposal and achieve fluidity in the debates and discussions of the XX Meeting of PCC.II.
3. To request that Member States to study and review the proposal mentioned in *decides* 1 of this decision and send relevant comments.

**CCP.II/DEC. 139(XIX-12)<sup>21</sup>**

**REPORT TO PCC.I ON THE ACTIVITIES OF PCC.II ON THE DEVELOPMENT OF  
PRINCIPLES FOR THE RADIOCOMMUNICATION ASPECTS OF HARMONIZED  
NATIONAL BROADBAND PLANS**

The XIX Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**DECIDES:**

1. To inform the PCC.I that one of the results of the XIX Meeting of PCC.II was to focus its efforts on the principles for how to use the radio spectrum to support the broadband plans of CITEL administrations.
2. To inform that the PCC.II offers to contribute to the part on the chapter of wireless services of the document “TECHNICAL NOTEBOOK 13: BROADBAND ACCESS TECHNOLOGIES” that PCC.I is developing.
3. To request PCC.I to submit, as a contribution, this technical notebook for the work that is being carried out in ITU-D Q 25 because of the importance of the information.

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<sup>21</sup> CCP.II-RADIO/doc. 2968/12 rev.1

## VI. LIST OF BASIC DOCUMENTS

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Summary Minutes of the Inaugural Session:	CCP.II-RADIO/doc. 2961/12
Summary Minutes of the First Plenary Session:	CCP.II-RADIO/doc. 2976/12
Summary Minutes of the Second Plenary Session:	CCP.II-RADIO/doc. 2981/12
Summary Minutes of the Third Plenary Session and Closing Session:	CCP.II-RADIO/doc. 2992/12
List of Documents:	CCP.II-RADIO/doc. 2873/12 rev.4
List of Participants:	CCP.II-RADIO/doc. 2876/12 rev.2
Final Report for the Meeting:	CCP.II-RADIO/doc. 2991/12 rev.1
Working Group on Preparation for Regional and World Radiocommunication Conferences.	CCP.II-RADIO/doc. 2984/12
Working Group on Terrestrial Fixed and Mobile Radiocommunication Services.	CCP.II-RADIO/doc. 2985/12
Working Group on Satellite Systems to Provide Fixed and Mobile Services.	CCP.II-RADIO/doc. 2986/12
Working Group on Broadcasting.	CCP.II-RADIO/doc. 2987/12 rev.1
Rapporteur Group on the Technical and Regulatory Aspects Related to the Effects of Electromagnetic Non-ionizing Emissions.	CCP.II-RADIO/doc. 2988/12
Ad Hoc Group on the Strategic Plan of PCC.II.	CCP.II-RADIO/doc. 2989/12
Ad Hoc Group on Allocation of the Digital Dividend Spectrum Resulting from the Transition to Digital Television and Opportunities for Convergent Applications.	CCP.II-RADIO/doc. 2990/12