



ORGANIZACION DE LOS ESTADOS AMERICANOS
ORGANIZATION OF AMERICAN STATES

Comisión Interamericana de Telecomunicaciones
Inter-American Telecommunication Commission

**XVII MEETING OF PERMANENT
CONSULTATIVE COMMITTEE II:
RADIOCOMMUNICATIONS
INCLUDING BROADCASTING
May 17 to 20, 2011
Santo Domingo, Dominican Republic**

**OEA/Ser.L/XVII.4.2
CCP.II-RADIO/doc. 2710/11 rev.1
cor.1
6 September 2011
Original: Spanish**

FINAL REPORT

(Item on the Agenda: 6)

(Document submitted by the Drafting Group)

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FINAL REPORT

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

The XVII Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting was held in Santo Domingo, Dominican Republic, May 17 to 20, 2011.

I. AGENDA¹

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 XIX Meeting of PCC.II.
5. Other matters.
6. Approval of the Final Report of the XVIII Meeting.

II. AUTHORITIES OF THE MEETING

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	Mr. Osiris Sosa (Dominican Republic)
Members	Mr. Adrian Floyd (Canada)
	Mr. Victor Valencia (Colombia)
	Mr. Valmikki Singh (Guyana)

¹ CCP.II-RADIO/doc. 2497/11 rev.1 cor.1

Mr. Brennan Price (United States of America)
Mr. Edson Do Nascimento (Venezuela)

III. RESOLUTIONS

PCC.II/RES. 73 (XVII-11) ²

ESTABLISHMENT OF A REGIONAL PARTNERSHIP TO COMBAT THE THEFT OF MOBILE TERMINAL EQUIPMENT

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

CONSIDERING:

- a) That the telecommunication and information and communication technologies (ICT) environment is undergoing major change as a result of rapid technological progress, market globalization, and growing demand from users of integrated services adapted to their needs;
- b) That the mission of CITEI is to facilitate and promote the integral and sustainable development of telecommunications/ICTs in the Americas based on the principles of universality, solidarity, transparency, equity, reciprocity, nondiscrimination, technological neutrality, and resource optimization, taking account of the environment and sustainable human development to benefit society every country of the region;
- c) That one of the mandates of Permanent Consultative Committee II of CITEI is to work in coordination with the different CITEI groups in those areas which, by their nature, lend themselves to joint action;
- d) That despite efforts now being made by national authorities of the countries of the Americas to prevent the theft of mobile telephony terminal equipment, these actions have proven insufficient to combat this illicit industry, which is being strengthened at both the local and regional levels, so that in-depth measures are urgently required to prevent its sale and use in regional markets;
- d) That compiling and exchanging information on both mobile terminal equipment activated and on those stolen in the member states is essential in carrying out actions to prevent and mitigate the impact of such theft; and
- e) That joint regional strategies and actions are needed to combat the theft of mobile terminal equipment, and that, to that end, it is essential to begin to study regional solutions to prevent crimes associated with the theft of equipment of mobile service users, whose effects have impact on the physical security of citizens, since this theft is accompanied by marked physical aggression which, in no few cases, has led to the murder of the owner of the equipment,

RECOGNIZING:

² CCP.II-RADIO/doc. 2675/11 rev.1

That problems related to the theft of mobile terminal equipment now transcend the national level in some countries, having become regional problems with stark social repercussions,

RESOLVES:

1. To create a rapporteur Sub-group within the Working Group Terrestrial Fixed and Mobile Radiocommunication Services to examine, from the point of view of the PCC.II, the issue submitted, its consequences and the actions to follow.
2. This Sub-group will present its results and recommendations at the next PCC.II meeting.
3. To instruct the Executive Secretary to forward to PCC.I document CCP.II-RADIO/doc. 2675/11 rev.1 entitled, "Regional front to combat the theft of mobile terminal equipment" for its direct consideration of this issue, with a view to the promotion by CITELE of the establishment of joint measures by the member states to restrict, in any country of the region, the activation of this stolen mobile terminal equipment, and for it to adopt specific recommendations for operators so that they use the resources afforded by technology and do not permit the connection to their networks of equipment whose origin has not been fully identified, establishing a regional partnership to combat the theft of this equipment.
4. To instruct the Executive Secretary to convey this Resolution and the documents presented by the Administration of Colombia to the COM/CITEL, so that they are informed of the issue and can present comments and recommendations concerning the best manner to address same.

PCC.II/RES 74 (XVII-11) ³

WORK OF THE RAPPOREUR GROUP ON THE TECHNICAL AND REGULATORY ASPECTS RELATED TO THE EFFECTS OF ELECTROMAGNETIC NON - IONIZING EMISSIONS

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

HAVING SEEN:

- a) Resolution WGPL/3 of the International Telecommunication Union (ITU)'s Plenipotentiary Conference in Guadalajara, México;
- b) That said Resolution takes into account Resolution 72 (Johannesburg, 2008) of the World Telecommunication Standardization Assembly, regarding measurement issues related to human exposure to electromagnetic fields and Resolution 62 (Hyderabad, 2010) of the World Telecommunication Development Conference, regarding measurement issues related to human exposure to electromagnetic fields;
- c) That said Resolution states the importance of coordination between ITU and other expert organizations in order to avoid duplication of efforts,

³ CCP.II-RADIO/doc. 2617/11

CONSIDERING:

- a) That through Resolution WGPL/3 it was resolved to request the Directors of the three ITU Bureaus, to gather and disseminate information regarding the exposure to electromagnetic fields, including measurement methods for electromagnetic fields, in order to help national Administrations, and, in particular, those belonging to developing countries, to develop relevant national regulations;
- b) That said Resolution encourages member states from various regions to cooperate and share their knowledge and resources,

TAKING INTO ACCOUNT:

- a) That the deployment of wireless telecommunication networks is still an issue that remains unresolved in many countries of our region due to popular apprehension to antennas and non-ionizing radiations (NIR);
- b) That many efforts are being developed in order to solve this issue such as measurement pilot tests, seminars, and the work of the Rapporteur Group on the Technical and Regulatory Aspects related to the effects of electromagnetic non - ionizing emissions;
- c) That Study Group 5 “Environment and Climate Change” of the ITU Standardization Bureau, which understands in these subjects, has created the Regional Group for Latin America and the Caribbean;
- d) That it is important to share all the information in order to help the Administrations of the region in their related work;
- e) That Resolution PCC.II/RES 32 (VII-06) indicates the establishment of contacts between the Rapporteur Group, the Chair of the PCC.II, and the CITEL Secretariat and the Regional Organizations and Specialized Organizations in order to continue to gather information and help to disseminate the same;
- f) That the said Resolution also states that the Rapporteur Group will be available for those Administrations requiring its collaboration for the development of their respective regulations and that the Executive Secretary will open an observatory regarding this issue at CITEL’s website for the dissemination of this subject to the general public,

RESOLVES:

1. To make the work of the Rapporteur Group on the Technical and Regulatory Aspects related to the effects of electromagnetic non - ionizing emissions available for the Study Group 5 of the Standardization Sector and its Regional Group, for the Study Group 1 of the Development Sector, and for the GP1C of the Study Group 1 of ITU’s Radiocommunications Sector.
2. To facilitate, through CITEL’s website, access to the information developed by CITEL, Member Administrations, ITU and the World Health Organization (WHO) on this subject.

INSTRUCTS THE EXECUTIVE SECRETARY OF CITEL:

To perform the tasks outlined under the *resolves* in coordination with the Chair of the PCC.II and the Rapporteur Group on the Technical and Regulatory Aspects related to the effects of electromagnetic non-ionizing emissions.

PCC.II/RES. 75 (XVII-11) ⁴

ITU-R WORKING PARTY 5D WORKSHOP ON IMT FOR THE NEXT DECADE

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

CONSIDERING:

- a) That most member states have or are considering plans to speed up the deployment of IMT services in their countries;
- b) That ITU-R Working Party 5D (WP 5D) is in the process of developing a new Report on “Assessment of the global mobile broadband deployments and forecasts for IMT” under Question ITU-R 229-2/5, “Future development of the terrestrial component of IMT”;
- c) That ITU-R WP 5D has initiated a series of workshops in various Regions to bring awareness of future needs of IMT systems;
- d) That the Declaration of Commitment of Port of Spain made at the Fifth Summit of the Americas, encourages countries to promote sustainable economic development through the facilitation of information and communication technologies, and telecommunication infrastructures;
- e) That the Permanent Consultative Committees (PCCs) of CITEL have made efforts to schedule seminars/workshops regularly on a diversity of topics with the intention of circulating information;
- f) That one of PCC.II’s mandates is to foster the development and the implementation of modern technologies and new radiocommunication services, specifically their technical and operational aspects in order to understand the changing needs of the member states;
- g) That the Declaration of Principles and Telecommunication Action Plan adopted at the Meeting of High-level Telecommunication Authorities celebrated in September 1996, highlights the need to facilitate the circulation of information on important innovations in telecommunications among the countries of the Region; and
- h) That the efficient policies to reduce the digital divide among the member countries coincide with the objectives of the Millennium Declaration, the Agenda for Connectivity for the Americas, the Plan of Action of Quito, the Declaration of Santo Domingo: Good Governance and Development in the Knowledge-based Society, approved by the OAS General Assembly in 2006 and the Plan of Action on

⁴ CCP.II-RADIO/doc. 2685/11 rev.1

the Information Society for Latin America and the Caribbean eLAC 2010, approved at the San Salvador Commitment in 2008,

NOTING:

- a) That further information on the ITU-R WP 5D regional workshops appears in ITU-R Circular Letter 5/LCCE/24 available at <http://www.itu.int/md/R00-SG05-CIR-0024/en>;
- b) That ITU-R has a dedicated web page for the “Regional workshops – IMT for the next decade”: <http://groups.itu.int/Default.aspx?tabid=1477>.

RECOGNIZING:

- a) The usefulness of the seminars/workshops as an efficient mechanism to focus the attention on important current topics, and to increase the level of knowledge on them;
- b) That it is important to analyze the deployment evolution and perspectives of IMT, including IMT-Advanced, technologies and their future needs including spectrum requirements;
- c) That it is also important to analyse the deployment evolution and perspectives of the national and regional terrestrial IMT services;
- d) That the Administrations and other organizations are conducting studies to take as reference, among other things, to develop their national broadband plans and to cater for future needs of mobile broadband services including IMT;
- e) That it is favorable to exchange information among the member states of CITELE, its associate members and the Permanent Observers before the OAS; and
- f) That the information presented at the CITELE seminars/workshops is an important source of reference for other international and regional organizations,

RESOLVES:

1. That it would be useful to have a workshop on the subject of future development of IMT for the next decade.
2. To have this workshop, pursuant to Resolution PCC.III/RES.86 (XII-99) “Concerning procedures for the organization of seminars,” on Sunday, 27 November 2011, before the XVIII Meeting of PCC.II, to be celebrated in San Juan de Puerto Rico, in view of the fact that having the workshop will not represent any expenses whatsoever for CITELE.
3. To invite Administrations and spectrum regulations experts to participate in the workshop presentations, and invite all the workshop attendants to exchange information on their experiences with the topics to examine.
4. To request the member states of CITELE and its associate members to share their experiences and research on the subject.
5. To establish a maximum duration of one day for this workshop.

6. To appoint Mr. Reza Arefi as coordinator of the workshop.
7. To adopt the preliminary draft program in the Annex for the workshop.
8. To request the member states, associate members and Permanent Observers of CITELE interested in taking part of the workshop to contact the workshop coordinator.

ANNEX TO RESOLUTION PCC.II/RES. 75 (XVII-11)

Preliminary Draft Program

ITU-R WP 5D Workshop on IMT for the next decade

(Sunday, 27 November 2011, San Juan de Puerto Rico)

Item	Topic	Presenter	Comment
1	Review of ITU-R activities in the last decade on Mobile services growth and potential	ITU-R Representative	e.g. Report M.2072
2	Advanced mobile broadband services – potential and opportunities		
2.1	Review of growth in mobile broadband market between 2005 and today	Industry groups	
2.2	New business opportunities and models for the next decade	Industry groups	
3	How developing countries benefit from emergence of advanced mobile broadband technologies	Administration, Industry	
4	National broadband plans in the Americas	Administrations	
5	Overview of advanced mobile broadband technologies for the next decade		
5.1	IMT-Advanced technologies and applications	SDOs	e.g. IEEE, 3GPP
5.2	IMT-Advanced enabling growth in various areas – economic, social, health, etc.	SDOs, Industry	
6	Factors contributing to demand for advanced mobile broadband and its uptake up to 2020 and beyond	Industry groups	

PCC.II/RES. 76 (XVII-11)⁵

**CREATION OF AN AD HOC GROUP TO ADDRESS THE DIGITAL DIVIDEND SPECTRUM
RESULTING FROM THE DIGITAL TELEVISION TRANSITION AND OPPORTUNITIES FOR
APPLICATION CONVERGENCE**

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

CONSIDERING:

- a) That one of the mandates of CITEI Permanent Consultative Committee II is to promote the development and implementation of modern technologies and new radiocommunications services, including broadcasting, specifically their technical and operational aspects, to meet the needs of member states;
- b) That member states across the Americas have started to plan for and implement the transition from analog to digital television;
- c) That member states are faced with many challenges as they transition from analog to digital television;
- d) That the transition from analog to digital television will result in a “digital dividend” of spectrum that could be made available for other radiocommunication services, including broadband;
- e) That the collection of information related to the digital dividend, may help the member states carry out the studies essential to decide what services will be able to make use of the spectrum made available by the analog switch-off;
- f) That a single forum will allow member states and associate members to discuss all the issues relating to the transition from analog to digital television and how to make best use of any spectrum made available as a result of the transition,

RESOLVES:

- 1. To create an Ad Hoc Group to address the transition from analog to digital television and the resulting digital dividend and opportunities for application convergence that will provide a forum for member states and associate members to share experiences and plans from the Americas region.
- 2. To revoke Resolution PCC.II/RES. 70 (XVI-10).

⁵ CCP.II-RADIO/doc. 2692/11

ANNEX TO RESOLUTION PCC.II/RES. 76 (XVII-11)

AD HOC GROUP TO ADDRESS THE DIGITAL DIVIDEND SPECTRUM RESULTING FROM THE DIGITAL TELEVISION TRANSITION AND OPPORTUNITIES FOR APPLICATION CONVERGENCE

1. MANDATE

To address issues related to the digital dividend spectrum resulting from the analog to digital television transition.

2. AUTHORITIES

Chair: MEXICO
Vice-Chair 1: ARGENTINA
Vice-Chair 2: GUYANA

3. TERMS OF REFERENCE

To consider issues related to the digital dividend spectrum and opportunities for application convergence including:

- Estimation of the size of the “digital dividend” in each of the region’s countries and when it will be available, as well as identification of common spectrum portions for potential harmonization;
- Types of services and applications that might be introduced;
- Available technology choices including support for possible convergent offerings between digital television broadcast providers and mobile broadband service providers;
- Methods to evaluate the market value of the spectrum portion released by the analog switch-off;
- Mechanisms to facilitate the eventual reallocation of spectrum in an efficient and timely fashion;
- Possible bandplans, taking into account bandplans that are being developed in regions 1, 2, and 3 of the International Telecommunication Union (ITU) and relevant ITU Recommendations;
- Optimization of the mechanism to achieve coordinated use of the frequencies in the border areas;
- Opportunities for the deployment of public safety and protection networks and/or services;
- Opportunities for the deployment of convergent broadcasting and telecommunication networks and/or services, giving rise to new applications;
- Methods for the gradual and harmonious introduction of the new services; as well as for the phased-in approaches to utilize freed up spectrum; and
- Taking into account:
 - current and future Studies;
 - information from other regions related to the digital dividend, and
 - the relevant parts of the Digital Terrestrial Television Broadcasting Implementation Guide, such as the timeline to implement digital television and the amount of spectrum that will

available included in Section 3 of the Guide and the responses submitted by the Members in relation to PCC.II/DEC. 70(XII-08).

The term of this group will be two years.

PCC.II/RES. 77 (XVII-11) ⁶

AGENDA, VENUE AND DATE FOR THE XVIII PCC.II MEETING

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

RESOLVES:

1. To hold the XVIII Meeting of PCC.II from 29 November to 2 December, 2011 in San Juan, Puerto Rico.
2. To approve the draft agenda for the XVIII Meeting, that is attached as an Annex.

ANNEX TO RESOLUTION PCC.II/RES. 77 (XVII-11)

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 XIX Meeting of PCC.II.
5. Regional Preparation of the Radiocommunication Assembly 2012.
6. Other matters.
7. Approval of the Final Report of the XVIII Meeting.

⁶ CCP.II-RADIO/doc. 2703/11

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.
3. Reports of the spokespersons to other organization's meetings, from Regions Representatives and ITU.
4. Structure of the Working Group, identification of agenda items Coordinators and Rapporteurs and assignment of functions to Coordinators and Rapporteur.
5. Assignment and analysis of documents to the subgroups:

5.1. SGT 1 - Maritime, aeronautical, and radiolocation issues	1.3, 1.4, 1.9, 1.10, 1.14, 1.15, 1.21
5.2. SGT 2 - Fixed, mobile, broadcasting and amateur issues	1.5, 1.8, 1.13, 1.17, 1.20, 1.23
5.3. SGT 3 - Science and satellite issues	1.6, 1.7, 1.11, 1.12, 1.16, 1.18, 1.24, 1.25, 7
5.4. SGT 4 - Future work program and other issues	1.1, 1.2, 1.19, 1.22, 2, 4, 8.1, 8.2
6. Work plan.
7. Timeline for WRC-12.
8. Other matters:
 - 8.1 Strategic Plan of CITELE.
 - 8.2 Indicators of CITELE Activities.

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 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. Working 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 for authorizing shipboard earth stations (ESV)
4. Implementing regulations that facilitate deployment of satellite service
5. Harmful interference from unauthorized transmissions in satellite networks
6. Work Plan
7. C and Ku band use, operation and applications by CITELE member Administrations
8. Existing databases on satellite systems
9. Technical and regulatory aspects in Appendix 30B of the ITU's Radiocommunications Regulations
10. Use of satellite systems for public protection and rescue operations (PPRO)
11. Use of Integrated Systems as an emerging element of Next Generation Networks (NGN)
12. Other business

3.4 Working Group on Broadcasting

1. Opening remarks.
2. Approval of the agenda
3. Consideration of the inputs documents on:
 - a. Digital Television
 - b. Digital Sound Broadcasting and draft structure of the digital sound broadcasting implementation guidelines
 - c. Other business.
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, 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. Work Plan and Method Plans.
3. 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 the results of the Questionnaire
3. Presentation of the results of the Discussion Forum.
4. Review of the Working Plan.
5. Other business.

PCC.II/RES. 78 (XVII-11) ⁷

INTER-AMERICAN PROPOSALS FOR WRC -2012

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

CONSIDERING:

- a) The procedure for “Submitting Inter-American Proposals to World Radiocommunication Conferences” was approved by Resolution CCP.II/RES. 64 (XV-10);
- b) That during the XVII meeting of PCC.II, LIMIT meeting for the preparation of WRC-12, a number of Inter-American Proposals (IAP) and Draft Inter-American Proposals (DIAP) were approved;
- c) That the Administrations wishing to support DIAPs and IAPs before the following PCC.II, will be able to do so by means of written communications (letter, fax or e-mail) through the CITEL Secretariat, and
- d) That, during the XVII meeting of PCC.II procedures were discussed to extend the deadline for submission of proposals for Agenda Items 7 and 8.2;
- e) That the XVII meeting of PCC.II agreed on a compilation of proposals on agenda item 4 dealing with revision of WRC Resolutions and Recommendations;
- f) That the Meeting had a relevant participation of Caribbean Administrations, particularly on issues dealing with the Working Group for the Preparation of CITEL for Regional and World Radiocommunication Conferences,

RESOLVES:

1. To invite Administrations, and especially those from Administrations that did not participate at this PCC.II meeting, to consider, in accordance with the existent procedure, the DIAP and IAPs and send their position and contact the coordinators if they need any clarification on those documents.

⁷ CCP.II-RADIO/doc. 2695/11

2. To invite Administrations to study and send contributions to the compilation on agenda items 4 and agenda items 7 and 8.2, for the XVIII meeting FINAL meeting for the preparation of WRC-12, no later than August 30th 2011, with a view of consolidating the region's proposals on these agenda items for WRC-12.

3. To request the Secretariat of CITEL to submit to all Member States of CITEL, 2 weeks after the close of the XVII meeting of PCC.II, the IAPs and, exclusively for information purposes, the DIAPs and the compilation of proposals on agenda item 4 still in consideration. These lists are attached to the present Resolution.

4. To inform the CITEL Administrations that they have until 1st July 2011 to notify the Executive Secretary their position regarding the IAPs mentioned in the Annex.

5. That during the FINAL meeting the adoption of a complementary resolution to this Resolution will be considered, if necessary.

INSTRUCTS THE SECRETARY:

a) To inform the Administrations that although the deadline indicated in this Resolution must be strictly observed for the submission of the corresponding proposals to the ITU, CITEL Administrations may support any of the IAPs stated in the Annex or the DIAPs in accordance to the existing procedure.

b) To send the IAPs to the ITU as soon as possible after the deadline indicated in *resolves* 4 has expired, with the exception of the one related to agenda item 7 dealing with Article 23 of the Radio Regulations (issue 6C).

ANNEX TO RESOLUTION PCC.II/RES. 78 (XVII-11)

TABLE OF STATUS

DRAFT INTER-AMERICAN PROPOSALS (DIAP)

AI WRC	Issue	PROP.	A T G	A R G	B A H	B R B	B L Z	B O L	B L	C A N	C H L	C L M	C T R	D O M	D M A	S L V	E Q A	U S A	G R D	G T M	G U Y	H T I	H N D	J M C	M E X	N C G	P N R	P R G	P R U	K N A	V C T	L C A	S U R	T R D	U R G	V E N	TOTAL				
1.2	Definitions for fixed service and mobile service	1-5		X						X			X																											3	
1.2	NOC Radio Regulations	6										X						X							X																3
1.2	Support Method B1	7								X		X																													2
1.3	Method A1 supports the use of the current AMS(R)S allocations for both links (UA to satellite and UACS (mobile and fixed) to satellite)	1		X						X															X																3
1.3	Use of the 5 030-5 091 MHz band for the command and control of UASs	2		X						X	X							X																			X				5
1.3	Internationally standardized aeronautical systems	3-4		X						X	X																														3
1.3	Use of the 5091 – 5150 MHz band	5								X								X							X																3
1.4	Support CPM Method A	1								[X 1]								X																							[2]
1.4	MOD Resolution 417 (WRC-07) Use of the band 960-1 164 MHz by the aeronautical mobile (R) service	2		X						X	X														X													X			5
1.4	Use of the 5000-5010 MHz band	3-4								X								X																							2
1.4	NOC 5000-5010 MHz band	5		X						X															X												X				4
1.4	Resolution [A1.4_5GHz_AM(R)S] (WRC-12) Use of the 5 000-5 010 MHz band by the aeronautical mobile (R) service and protection of the radionavigation-satellite and the radio astronomy services	6								X								X																							2
1.7	MOD to Resolution 222 (Rev. WRC-07) to clarify coordination procedures for MSS in the bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz and ADD new Resolution to develop methodology for determining AMS(R)S requirements (Method D)	1-6								X				[x]				X							X																[4]

AI WRC	Issue	PROP.	A T G	A R G	B A H	B R B	B L Z	B O L	B	C A N	C H L	C L M	C T R	D O M	D M A	S L V	E Q A	U S A	G R D	G T M	G U Y	H T I	H N D	J M C	M E X	N C G	P N R	P R G	P R U	K N A	V C T	L C A	S U R	T R D	U R G	V E N	TOTAL		
7	New Appendix 4 data item for NGSO satellite systems in bands other than those where epfd limits are specified in Article 22 (Issue 1A)	1							X	X							X																		X			4	
7	Reduction of the coordination arc applicable to FSS networks in the 4/6 GHz and 10/11/12/14 GHz bands (Issue 2A)	1		[X]						[x]							X																						[3]
7	ADD new Resolution [Coordination Arc-No.9.41] (Issue 2A)	2		X						X							X																						3
7	Application of Nos. 9.51 and 9.52 with respect to coordination under No. 9.7 (Issue 2B)	1-4							X	X							X																		X	X		5	
7	NOC to status of list of networks with which coordination needs to be effected (No. 9.36) (Issue 2C)	1-3							X	X																										X		3	
7	Review of the bands listed in Table 5-1 of Appendix 5 for Nos. 9.11 and 9.19 (Issue 2D)	1							X	X							X																						3
7	Modification to API of a satellite network or system not subject to coordination No. 9.1 (Issue 2E)	1							X	X							X																						3
7	Removal of 6 month waiting period between the submission of API and coordination information (No. 9.1) (Issue 2F)	1							X	X							X																			X		4	
7	Modifications to No. 13.6 to clarify the BR actions before cancelling a network and the subsequent RRB confirmation (Issue 4H)	1							X	X							X																			X		4	
8.1.2	Inconsistency in the text of No. 5.389B in the six official languages of the Union	1								X																										X		2	
8.2	Review the use of the band 5 091-5 150 MHz by the fixed-satellite service (Earth-to-space)	1								X							X																						2
8.2	Suppress Resolution 806 (WRC-07); ADD Resolution [WRC-15 AGENDA] (WRC-12) Definitive agenda for the 2015 World Radiocommunication Conference	2-3								X							[X]																			X		[3]	
8.2	To provide a primary allocation to the EESS (Earth-to-space) in the 7 190 – 7 235 MHz band	4-5								[X]	X						X																		X			[4]	

INTER-AMERICAN PROPOSALS (IAP)

AI WRC	Issue	PROP.	A	T	A	R	B	B	B	B	B	C	C	C	C	D	D	S	E	U	G	G	G	H	H	J	M	N	P	P	P	K	V	L	S	T	U	V	TOTAL		
			T	R	A	R	L	L	L	L	A	H	L	T	O	M	M	L	Q	S	R	T	U	I	N	M	E	C	N	R	R	R	N	C	C	U	R	R	E	N	
1.2	Enhancing the regulatory framework based on methods A2 and A3 of the CPM text	1		X						X	X			X							X																	X	X	7	
1.4	MOD Resolution 413 (Rev.WRC-07) Use of the band 108-117.975 MHz by the aeronautical mobile (R) service	1		X						X	X									X						X													X		6
1.4	NOC 5010-5030 MHz band	2		X						X	X									X						X													X		6
1.4	SUP Resolution 420 (WRC-07) Consideration of the frequency bands between 5 000 and 5 030 MHz for aeronautical mobile (R) service surface applications at airports	3		X						X	X									X						X													X		6
1.5	Draft Resolution [1.5-ENG] (WRC-12) Spectrum management Guidelines for electronic news gathering (ENG)	1-2		X						X			X	X	X		X			X		X				X												X	X	11	
1.5	SUP Resolution 954 (WRC-07) Harmonization of spectrum for use by terrestrial electronic news gathering systems	3		X						X			X	X	X		X			X		X				X												X	X	11	
1.6	Update of footnote 5.565 (Resolution 950 (WRC-07))	1-2		X						X	X		X	X	X					X		X				X												X	X	11	
1.6	SUP Resolution 950 (WRC-07) Consideration of the use of the frequencies between 275 and 3 000 GHz	3		X						X	X		X	X	X					X		X				X												X	X	11	
1.6	NOC to Radio Regulations Possible regulatory for procedures for free-space optical-links (Resolution 955 (WRC-07))	1-2		X						X	X		X	X	X					X		X				X			X									X	X	12	
1.6	SUP Resolution 955 (WRC-07) Consideration of procedures for free-space optical links	3		X						X	X		X	X	X					X		X				X			X									X	X	12	
1.8	NOC Article 5 for spectrum <i>between 71 GHz and 238 GHz</i>	1		X						X	X			X	X					X	X					X		X										X		10	
1.8	NOC Resolution 731 (WRC-2000) Consideration by a future competent World Radiocommunication Conference of issues dealing with sharing and adjacent-band compatibility between passive and active services above 71 GHz and Resolution 732 (WRC-2000) Consideration by a future competent World Radiocommunication Conference of issues dealing with sharing between active services above 71 GHz	2-3		X						X	X			X	X					X	X					X		X										X		10	

AI WRC	Issue	PROP.	A T G	A R G	B A H	B R B	B L Z	B O L	B	C A N	C H L	C L M	C T R	D O M	D M A	S L V	E Q A	U S A	G R D	G T M	G U Y	H T I	H N D	J M C	M E X	N C G	P N R	P R G	P R U	K N A	V C T	L C A	S U R	T R D	U R G	V E N	TOTAL			
1.10	Modifying the RR to reflect the satellite monitoring of Automatic Identification System (AIS) equipped vessels	1-5		X					X	X		X			X		X							X											X			8		
1.10	Frequency allocation requirements with regard to operation of safety systems for ships and ports	6-8		X					X	X				X				X							X											X			7	
1.10	MOD 156.7625-156.8375 MHz band	9		X					X					X				X							X											X			6	
1.10	Appendix 18 (Rev.WRC-12) MOD NOTE B	10		X					X	X				X				X							X											X			7	
1.11	Primary allocation to the space research service (Earth-to-space) within the band 22.55-23.15 GHz	1-3		X					X	X	X		X	X			X	X		X					X											X	X		12	
1.11	SUP Resolution 753 (WRC-07) Use of the band 22.55-23.15 GHz by the space research service	4		X					X	X	X		X	X			X	X		X					X												X	X		12
1.12	Implementing space research service (SRS) earth station receivers in the band 37-38 GHz to support manned missions for both near Earth and deep space missions	1-2							X	X			X	X			X	X		X					X											X	X		10	
1.12	SUP Resolution 754 (WRC-07) Consideration of modification of the aeronautical component of the mobile service allocation in the 37-38 GHz band for protection of other primary services in the band	3							X	X			X	X			X	X		X					X											X	X		10	
1.13	PFD limits regime in Article 21, Section V	1		X					X	X	X	X	X			X	X	X		X					X											X	X		13	
1.13	SUP Resolution 525 (Rev.WRC-07) Introduction of high-definition television systems of the broadcasting-satellite service in the and 21.4-22.0 GHz in Regions 1 and 3	2		X					X	X	X	X	X			X	X	X		X					X												X	X		13
1.14	NOC to the Radio Regulations in Region 2 is necessary, as there are several existing primary radiolocation allocations within the 30-300 MHz range	1		X					X	X								X							X											X	X		7	
1.14	SUP Resolution 611 (WRC-07) Use of a portion of the VHF band by the radiolocation service	2		X					X	X			X					X																			X	X		8
1.16	Sharing criteria for passive systems for lightning detection in the meteorological aids service	1-4		X					X	X			X					X		X					X												X	X		9
1.16	SUP Resolution 671 (WRC-07) Recognition of systems in the meteorological aids service in the frequency range below 20 kHz	5		X					X	X			X					X		X					X												X	X		9
1.17	No review of the regulatory provisions concerning the use of the band 790-862 MHz in Region 2	1		X					X	X	X	X	X			X	X	X		X					X		X	X									X	X		16

AI WRC	Issue	PROP.	A T G	A R G	B A H	B R B	B L Z	B O L	B A N	C H L	C L M	C T R	D O M	D M A	S L V	E Q A	U S A	G R D	G T M	G U Y	H T I	H N D	J M C	M E X	N C G	P N R	P R G	P R U	K N A	V C T	L C A	S U R	T R D	U R G	V E N	TOTAL		
1.18	NOC to Nos. 5.398 and 5.402 in relation to frequency allocations to RDSS in the band 2483.5-2500 MHz	1-2		X					X	X							X							X										X			6	
1.18	MOD Appendix 5 (Rev.WRC-07) Annex 1 Table 5-2 to relax coordination trigger level for MSS	3		X					X	X							X							X											X			6
1.19	No need for additional provisions in the RR for radiocommunication services using SDR or CRS technologies	1-3		X					X	X	X	X					X		X					X											X	X		10
1.19	SUP Resolution 956 (WRC-07) Regulatory measures and their relevance to enable the introduction of software-defined radio and cognitive radio Systems	4		X					X	X	X	X					X		X					X											X	X		10
1.20	Operation of HAPS Gateway links in the band 5 850-7 075 MHz is not recommended due to the incompatibility between HAPS systems and FSS	1		X					X	X	X	X	X				X		X					X											X	X		12
1.20	SUP Resolution 734 (WRC07) Studies for spectrum identification for gateway links for high-altitude platform stations in the range from 5 850 to 7 075 MHz	2		X					X	X	X	X	X				X		X					X											X	X		12
1.22	NOC to Article 5 for SRDs	1		X					X	X	X				X	X	X							X											X	X		10
1.22	SUP Resolution 953 (WRC-07) Protection of radiocommunication services from emissions by short-range radio devices	2		X					X	X	X				X	X	X							X											X	X		10
1.22	New Resolution to encourage Administrations to work through the ITU-R to harmonize frequency bands and rules for SRDs	3		X					X	X	X					X								X											X	X		8
1.23	Worldwide secondary allocation of 15 kHz to the amateur service in the range 472-487 kHz	1-2		X					X	X	X	X	X		X	X	X																		X	X		11
1.24	Extension of the 7 750-7 850 MHz allocation for the MetSat up to 7 900 MHz for all Regions	1-4		X					X	X	X	X	X			X	X		X					X											X	X		13
1.24	SUP Resolution 672 (WRC-07) Extension of the allocation to the meteorological-satellite service in the band 7 750-7 850 MHz	5		X					X	X	X	X	X			X	X		X					X											X	X		13
7	Nos. 23.13, 23.13A, 23.13B and 23.13C of the Radio Regulations (Issue 6C)	1-4							X	X			X				X							X											X			6
8.1.2	Inconsistencies in the Radio Regulations to be addressed under Agenda Item 8.1.2 (IMT)	1-5		X					X	X							X		X					X											X	X		8
8.2	Wireless Avionics Intra-Communications (WAIC) systems	1-3		X					X	X		X		X		X		X																	X	X		9
8.2	Spectrum requirements and possible regulatory actions to accommodate the development of IMT and other mobile broadband applications and technologies	1-3		X					X	X		X	X					X						X											X	X		9

IV. DECISIONS

PCC.II/DEC. 114 (XVII-11) ⁸

ITU-T RECOMMENDATION K.83 (K.MONITOR) CONTINUOUS MONITORING OF ELECTROMAGNETIC FIELDS

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

DECIDES:

To instruct the CITEI Secretariat to send to CITEI Administrations a copy of ITU-T Recommendation K-83, adopted on March 9, 2011 and which provides guidelines on how to carry out long-term measurements for monitoring electromagnetic fields (EMF) in those selected areas where there is public concern, in order to show that EMF are under control and within permissible limits.

PCC.II/DEC. 115 (XVII-11) ⁹

IDENTIFICATION OF CONTACT POINTS IN THE REGION FOR NIR ISSUES

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

DECIDES:

To instruct the CITEI Secretariat:

1. To request the Administrations of the Region to identify contact points that are knowledgeable about non-ionizing radiation (NIR) in their respective countries.

These contact points should come from the following institutions:

1. National organizations of: Telecommunications, Environment and Health.
2. National or regional associations of mayors.
3. Organizations of users and/or neighborhood associations active on this issue.

2. To request that information on telecommunication organizations be sent to the CITEI Secretariat during the month of June of this year.

⁸ CCP.II-RADIO/doc. 2690/11

⁹ CCP.II-RADIO/doc. 2690/11

PCC.II/DEC.116 (XVII-11)¹⁰

THE BENEFIT OF THE WIRELESS TELECOMMUNICATIONS INDUSTRY TO THE NATIONAL ECONOMIES

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

DECIDES:

To instruct the Executive Secretary to send to the member states the document CCP.II-RADIO/doc. 2602/11 "The benefit of the wireless telecommunications industry to the national economies", inviting Administrations and associate members to submit their contributions, views and information on this document in time for the next PCC.II meeting (Working Group on terrestrial fixed and mobile radiocommunication services), including other studies in order to fully understand the benefits of the wireless telecommunications industry to the national economies.

PCC.II/DEC. 117 (XVII-11)¹¹

FIVE RNSS DRAFT NEW RECOMMENDATIONS

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

DECIDES

To instruct the Executive Secretary:

1. To recall to the member states of CITELE the document CCP.II-RADIO/doc.2209/10 rev.1, which provides a description of the status of five draft New Recommendations related to the Radionavigation Satellite Service (RNSS) that were considered in the ITU-R and sent to ITU-R Study Group 4
2. To invite the member states of CITELE, to support the approval of the above mentioned draft Recommendations to be considered again at the ITU-R Study Group 4 meeting to be held in September 2011,
3. To communicate to the Chair of Study Group 4 that the following Administrations [United States of America, Brazil] at the XVII meeting of CITELE PCC.II have expressed their support for their adoption.
4. To invite additional member states of CITELE to add their names to those above no later than August 15, 2011

¹⁰ CCP.II-RADIO/doc. 2690/11

¹¹ CCP.II-RADIO/doc. 2689/11 rev.1

ANNEX TO DECISION PCC.II/DEC. 117 (XVII-11)

PACKAGE OF FIVE RNSS RECOMMENDATIONS

These Study Group 4 (SG 4) contributions may be found at the following ITU-R website:
<http://www.itu.int/md/R07-SG04-C/en> .

Following are the set of five RNSS Draft New Recommendations that were discussed at the July 2010 SG4 meeting:

- Draft New Recommendation ITU-R M.[Char-Rx3] “Characteristics and protection criteria for receiving earth stations in the radionavigation-satellite service (space-to-Earth) operating in the band 1 164-1 215 MHz” (see ITU-R Document 4/100).
- Draft New Recommendation ITU-R M.[1088_New] “Characteristics and protection criteria for receiving earth stations in the radionavigation-satellite service (space-to-Earth) operating in the band 1 215-1 300 MHz” (see ITU-R Document 4/97).
- Draft New Recommendation ITU-R M.[1477_New] “Characteristics and protection criteria for receiving earth stations in the radionavigation-satellite service (space-to-Earth) and receivers in the aeronautical radionavigation service operating in the band 1 559-1 610 MHz” (see ITU-R Document 4/98).
- Draft New Recommendation ITU-R M.[1479_New] “Characteristics, performance requirements and protection criteria for receiving stations of the radionavigation-satellite service (space-to-space) operating in the frequency bands 1 164-1 215 MHz, 1 215-1 300 MHz and 1 559-1 610 MHz” (see ITU-R Document 4/99).
- Draft New Recommendation ITU-R M.[RNSS_Guide] “Guidance on ITU-R Recommendations related to systems and networks in the radionavigation-satellite service operating in the frequency bands 1 164-1 215 MHz, 1 215-1 300 MHz, 1 559-1 610 MHz, 5 000-5 010 MHz and 5 010-5 030 MHz” (see ITU-R Document 4/96).

CREATE A DISCUSSION GROUP ASSOCIATED WITH THE AD HOC GROUP TO ADDRESS THE DIGITAL DIVIDEND SPECTRUM RESULTING FROM THE DIGITAL TELEVISION TRANSITION AND OPPORTUNITIES FOR APPLICATION CONVERGENCE

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

DECIDES:

1. To conduct online discussions on digital dividend-related matters, in both Spanish and English, prior to the XVIII Meeting of PCC.II, using the conferencing tools of CITELE.
2. To create a discussion group within the framework of CITELE, using the available OAS tools, to enable the Ad hoc Group to “Address the Digital Dividend Spectrum Resulting from the Digital Television Transition and Opportunities for Application Convergence” to address all matters described in its terms of reference.
3. To submit a report on the debates at the XVIII Meeting of PCC.II.
4. To designate Mr. Claudio Alberto Schifer of the Administration of Argentina and Mr. José Costa as coordinator of Canada the activities carried out in that discussion group, who will prepare the report indicated in *decides 2* hereof.
5. To call upon all member states and associate members of PCC.II to participate actively in the discussion group created.
6. To instruct the Secretariat of CITELE to carry out the necessary actions to enable the tools as soon as possible and to serve as the contact point within the OAS.
7. To inform the PCC.I Working Group on Deployment of Technologies and Services (WGDTS) of the creation of this discussion group.

¹² CCP.II-RADIO/doc. 2700/11

**SURVEY OF CURRENT AND PLANNED USE OF THE BANDS
54-72 MHz / 76-88 MHz / 174-216 MHz / 470-512 MHz / 512-698 MHz / 698-806 MHz**

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

DECIDES:

To invite the Administrations and associate members to forward, by September 16, 2011, their replies and comments on the survey below to Mr. Jesús Rivera (jrivera@conatel.gob.ve), with a copy to the Secretariat of CITEL (citel@oas.org) and to the Chair of the Ad Hoc Group to Address the Digital Dividend Spectrum Resulting from the Digital Television Transition and Opportunities for Application Convergence, Mr. Fernando Carrillo (carrillo@cft.gob.mx):

700 MHz band

1. Please indicate the current use, in your administration, of the bands 698-806 MHz, using the form below:

Administration	Band	Current use	Planned use
	698 -806 MHz		

2. If interested in implementing IMT technologies in the above-mentioned band, what is the estimated date for their introduction?

3. In addition to IMT, what other services has your administration considered (public safety, digital terrestrial television, others)?

4. Has your administration conducted public consultations requesting views regarding future use of the digital dividend spectrum? If so, please indicate any website where consultations may be made.

5. Is there any limitation in your administration regarding the use of the above-mentioned band for the mobile service?

6. If your administration has a national broadband plan, does it include the use of this band?

VHF and UHF bands

1. Please indicate the current use, in your administration, of the bands 54-72 MHz / 76-88 MHz / 174-216 MHz / 470-512 MHz, 512-698 MHz, and 698-806 MHz, using the form below:

¹³ CCP.II-RADIO/doc. 2705/11

Administration	Band	Current use	Planned use
	54-72 MHz		
	76-88 MHz		
	174-216 MHz		
	470-512 MHz		
	512-698 MHz		
	698-806 MHz		

2. Has your country chosen a digital terrestrial television standard? If not, please indicate the stage of the studies.
3. What channels or bandwidth have been assigned for the spectrum to be freed once the digital terrestrial television system is introduced?
4. Please indicate the existing channels in the VHF and UHF bands in your country for analog and digital television (if applicable).
5. Please indicate the estimated dates for introduction, simulcast, and analog switch off in the implementation of digital terrestrial television.
6. Has your administration conducted studies on spectrum use for new (open) digital terrestrial television licenses? Please describe any study and measure related to this area.
7. How is your administration planning spectrum use for the new digital television services, such as Ultra HD, 3D TV, etc.? Have channels been identified for these? Please describe any study and any related measure.
8. Does your administration include broadcasting services in the framework of digital inclusion policies?

Convergence

Regardless of operating frequency and in reference to document CCP.II-RADIO/doc. 2601/11, attached hereto, please provide information on the types of services and applications that might be introduced and the available technology choices, including support from possible convergent offerings between digital television broadcast providers and mobile broadband service providers.

V. LIST OF BASIC DOCUMENTS

Summary Minutes of the Inaugural Session and the First Plenary Session:	CCP.II-RADIO/doc. 2694/11 rev.1
Summary Minutes of the Second Plenary Session:	CCP.II-RADIO/doc.2701/11 rev.1
Summary Minutes of the Third Plenary Session and Closing Session:	CCP.II-RADIO/doc. 2702/11
List of Documents:	CCP.II-RADIO/doc. 2495/11 rev.5
List of Participants:	CCP.II-RADIO/doc. 2496/11 rev.2
Final Report for the Meeting:	CCP.II-RADIO/doc. 2710/11 rev.1