



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

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

---

**27 MEETING OF PERMANENT  
CONSULTATIVE COMMITTEE II:  
RADIOCOMMUNICATIONS  
June 28 to July 1, 2016  
Bogota, Colombia**

**OEA/Ser.L/XVII.4.2.27  
CCP.II-RADIO/doc. 4123/16 cor. 2  
24 May 2017  
Original: English**

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

## TABLE OF CONTENTS

<b>I. AGENDA .....</b>	<b>3</b>
<b>II. MEETING OFFICERS .....</b>	<b>4</b>
<b>III. RESOLUTIONS.....</b>	<b>5</b>
<b>PCC.II/RES. 111 (XXVII-16) .....</b>	<b>5</b>
AGENDA, VENUE AND DATE FOR THE 28 MEETING OF PCC.II.....	5
<b>PCC.II/RES. 112 (XXVII-16) .....</b>	<b>7</b>
ESTABLISHMENT OF AN AD HOC GROUP TO UPDATE THE INTER-AMERICAN CONVENTION ON AN INTERNATIONAL AMATEUR RADIO PERMIT (IARP) .....	7
<b>IV. RECOMENDATIONS.....</b>	<b>8</b>
<b>PCC.II/REC. 49 (XXVII-16) .....</b>	<b>8</b>
PUBLIC PROTECTION AND DISASTER RELIEF (PPDR) BASED ON INTERNATIONAL MOBILE TELECOMMUNICATIONS (IMT) SYSTEMS .....	8
<b>PCC.II/REC. 50 (XXVII-16) .....</b>	<b>10</b>
AUTHORIZATION OF EARTH STATIONS IN MOTION COMMUNICATING WITH GEOSTATIONARY SPACE STATIONS IN THE FIXED SATELLITE SERVICE IN THE FREQUENCY BANDS 19.7-20.2 GHZ AND 29.5-30.0 GHZ IN THE AMERICAS.....	10
<b>PCC.II/REC. 51 (XXVII-16) .....</b>	<b>11</b>
USE OF THE FREQUENCY RANGE 10.7 – 12.2 GHZ FOR SATELLITE TELEVISION APPLICATIONS .....	11
<b>PCC.II/REC. 52 (XXVII-16) .....</b>	<b>12</b>
GENERIC OR BLANKET LICENSING REGIMES FOR UBIQUITOUSLY DEPLOYED FIXED SATELLITE SERVICE EARTH STATIONS .....	12
<b>V. DECISIONS.....</b>	<b>14</b>
<b>PCC.II/DEC. 183 (XXVII-16) .....</b>	<b>14</b>
QUESTIONNAIRE ON USAGE AND FUTURE PLAN OF FREQUENCY BANDS UNDER STUDY IN AGENDA ITEM 1.13 OF WRC-19, IN AMERICAS REGION.....	14
<b>PCC.II/DEC. 184 (XXVII-16) .....</b>	<b>16</b>
RECOGNITION OF THE CHAIRS, VICE CHAIRS, AND COORDINATORS OF THE WORKING GROUP FOR THE PREPARATION OF CITEL FOR THE 2015 WORLD RADIOCOMMUNICATION CONFERENCE .....	16
<b>PCC.II/DEC. 185 (XXVII-16) .....</b>	<b>17</b>
REGARDING A QUESTIONNAIRE TO STUDY THE CONTINUAL MONITORING, CONTROL AND PROTECTION OF THE CRITICAL INFRASTRUCTURE USED BY UTILITIES .....	17
<b>PCC.II/DEC. 186 (XXVII-16) .....</b>	<b>19</b>

QUESTIONNAIRE ABOUT THE REGULATORY PROCEDURES APPLICABLE TO SMALL SATELLITES, NANOSATELLITES, AND PICOSATELLITES .....	19
<b>PCC.II/DEC. 187 (XXVII-16) .....</b>	<b>20</b>
QUESTIONNAIRE ON THE IMPLEMENTATION OF A BROADCASTING POLICY .....	20
<b>V. LIST OF BASIC DOCUMENTS.....</b>	<b>21</b>

## **FINAL REPORT**

### **XXVI MEETING OF PERMANENT CONSULTATIVE COMMITTEE II: RADIOCOMMUNICATIONS (PCC.II)**

The XXVII Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II) was held in Bogota, Colombia, from June 28 to July 1, 2016.

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

---

1. Approval of the agenda and calendar.
2. Appointment of the Drafting Group for the Final Report.
3. Meeting 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.
    - 3.2.1. Sub-working group on Spectrum Management
  - 3.3 Working Group on Satellite Systems to Provide Fixed and Mobile Services.
  - 3.4 Working Group on Broadcasting.
4. PCC.II Strategic Plan.
5. Agenda, Venue and Date of the next Meeting of PCC.II.
6. Other matters.
7. Approval of the Final Report of the Meeting.

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

- 3.1 Working Group on the preparation of CITEL for Regional and World Radiocommunication Conferences**
  1. Presentation and approval of the agenda.
  2. Working methods.
  3. Preparation for the Radiocommunications Assembly (RA-19) and the World Radiocommunication Conference (WRC-19).
  4. Work Plan.

---

<sup>1</sup> PCC.II-RADIO/doc. 4027/16

5. Other matters.

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

1. Approval of the agenda.
2. Report on ITU-R activities.
3. IMT implementation
4. Compatibility studies
5. Sub-Working Group of Spectrum management.
6. Work Plan.
7. Other business.

### **3.3 Working Group on Satellite Systems to Provide Fixed and Mobile Services**

1. Approval of the agenda.
2. Implementation of regulations that facilitate deployment of satellite services.
3. Harmful interference from unauthorized transmissions in satellite networks.
4. C and Ku band use, operation and applications.
5. Existing databases on satellite systems.
6. Operation of satellite services with no authorization.
7. Work Plan.
8. 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. Work Plan.
5. Other business.

## **II. MEETING OFFICERS**

---

Chair of PCC.II and ICT Ministry of Colombia:  
Alternate Chair of PCC.II:  
Vice Chair of PCC.II:  
Vice Chair of PCC.II:  
Executive Secretary of CITEL:

Mr. David Luna Sánchez  
Mr. Franklin Merchán (Colombia)  
Mr. Héctor Budé (Uruguay)  
Mr. José Arias (Mexico)  
Mr. Oscar León

### **Drafting Group:**

Chair: Mrs. Ana Giselle Ustate (Colombia)

Members: Mr. Antonio José Álvarez (Colombia)  
Mr. José Francisco Lozano (Colombia)  
Mr. David Alberto Murillo (Colombia)  
Mr. Jorge Guillermo Barrera (Colombia)  
Mr. Marc Girouard (Canada).  
Mrs. Giadira V. León (United States of America)

### **III. RESOLUTIONS**

---

#### **PCC.II/RES. 111 (XXVII-16)<sup>2</sup>**

#### **AGENDA, VENUE AND DATE FOR THE 28 MEETING OF PCC.II**

The 27 Meeting of the Permanent Consultative Committee II: Radiocommunications (PCC.II),

#### **RESOLVES:**

1. To hold the 28 Meeting of PCC.II in date and place to be determined.
2. To approve the draft agenda for the 28 that is attached as an Annex.

#### **ANNEX TO RESOLUTION PCC.II/RES111 (XXVII-16)**

1. Approval of the agenda and calendar.
2. Appointment of the Drafting Group for the Final Report.
3. Meeting 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.
    - 3.2.1. Sub-working group on Spectrum Management
  - 3.3 Working Group on Satellite Systems to Provide Fixed and Mobile Services.
  - 3.4 Working Group on Broadcasting.
  - 3.5 Ad Hoc Group to update the Inter-American Convention on an International Amateur Radio Permit (IARP).
4. PCC.II Strategic Plan.
5. Agenda, Venue and Date of the next Meeting of PCC.II.
6. Other matters.

---

<sup>2</sup> PCC.II-RADIO/doc. 4110/16r1

7. Approval of the Final Report of the Meeting.

## **DRAFT AGENDAS OF WORKING GROUPS**

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

1. Presentation and approval of the agenda.
2. Working methods.
6. Preparation for the Radiocommunications Assembly (RA-19) and the World Radiocommunication Conference (WRC-19).
7. Work Plan.
8. Other matters.

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

1. Approval of the agenda.
2. Report on ITU-R activities.
3. IMT implementation
4. Compatibility studies
5. Sub-Working Group of Spectrum management.
6. Work Plan.
7. Other business.

### **3.3 Working Group on Satellite Systems to Provide Fixed and Mobile Services**

1. Approval of the agenda.
2. Implementation of regulations that facilitate deployment of satellite services.
3. Harmful interference from unauthorized transmissions in satellite networks.
4. C and Ku band use, operation and applications.
5. Existing databases on satellite systems.
6. Operation of satellite services with no authorization.
7. Work Plan.
8. 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. Work Plan.
5. Other business.

**PCC.II/RES. 112 (XXVII-16) <sup>3</sup>**

**ESTABLISHMENT OF AN AD HOC GROUP TO UPDATE THE INTER-AMERICAN  
CONVENTION ON AN INTERNATIONAL AMATEUR RADIO PERMIT (IARP)**

The 27th Meeting of the Permanent Consultative Committee II: Radiocommunications (PCC.II),

**CONSIDERING:**

- a. That the Inter-American Convention on an International Amateur Radio Permit (IARP) was approved at the Second Meeting of the Permanent Executive Committee of CITEI on December 1994 (COM/CITEI RES.5 (II-94)) and subsequently adopted in Montrouis, Haiti, during the Twenty-Fifth Regular Session of the General Assembly of the Organization of American States (AG/RES.1316 (XXV-O/95)),
- b. That the Inter-American Convention on an International Amateur Radio Permit (IARP) entered into force on 23 February 1996 in accordance with the provisions of Article 10 of the Convention,
- c. That many administrations now conduct many administrative procedures electronically (e.g., eGovernment),
- d. That now, after more than 20 years have passed since its adoption, the Inter-American Convention on an IARP may need updating to the technological reality of these times.

**RESOLVES**

1. To establish an Ad Hoc Group to revise and where appropriate propose amendments to the Inter-American Convention on an International Amateur Radio Permit (IARP),
2. To appoint Mr. José Arturo Molina (El Salvador) as the Chair of the Ad Hoc Group,
3. That this ad hoc group will conclude its work and report the outcomes no later than the 29th Meeting of the PCC.II.

---

<sup>3</sup> PCC.II-RADIO/doc. 4106/16 r2



#### IV. RECOMMENDATIONS

---

##### **PCC.II/REC. 49 (XXVII-16) <sup>4</sup>**

##### **PUBLIC PROTECTION AND DISASTER RELIEF (PPDR) BASED ON INTERNATIONAL MOBILE TELECOMMUNICATIONS (IMT) SYSTEMS**

The 27 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II),

##### **CONSIDERING:**

- a) That Public Protection and Disaster Relief (PPDR) systems based on International Mobile Telecommunications (IMT) technology have a fundamental role to play to respond with efficacy and efficiency to public, national and international objectives for PPDR;
- b) That many administrations wish to promote inter-operability and inter-functioning among systems utilized for public protection and relief operations, both at the national level as well as for cross-border operations in situations of emergency and relief operations;
- c) That in resolves 1 of Resolution 646 (Rev. WRC - 15) “Public protection and disaster relief” administrations are encouraged to use harmonized frequency ranges for PPDR to the maximum extent possible, taking into account the national and regional requirements and also having regard to any needed consultation and cooperation with other concerned countries;
- d) That Recommendation ITU-R M.1036 provides guidance on the selection of transmitting and receiving frequency arrangements for the terrestrial component of IMT systems as well as the arrangements themselves, with a view to assisting administrations on spectrum-related technical issues relevant to the implementation and use of the terrestrial component of IMT in the bands identified in the RR and administrations may implement any of the recommended frequency arrangements, in all or in part, to suit their national conditions.
- e) That some administrations have made decisions to deploy broadband PPDR communications in the 700 MHz band, which is within the range 694-894MHz identified by WRC-15<sup>5</sup>, and wish to promote harmonization given the inherent benefits,
- f) That much of the band 806-824 / 851-869 MHz is used for trunking systems in most countries in the Americas according to Recommendation PCC.III / REC. 28 (VI-96).
- g) That in some countries, Specialized Mobile Radio systems (SMR for its acronym in English or ESMR) use parts of the band 806-824 / 851-869 MHz, and that some of these systems are used to provide a similar cellular service;

---

<sup>4</sup> PCC.II-RADIO/doc. 4107/16 r3

<sup>5</sup> See Resolve 2 of Resolution 646 (Rev. CMR-15).

## **RECOGNIZING:**

- a) The benefits of spectrum harmonization, such as a greater potential for interoperability, a broader industrial base and a larger volume of material resulting from economies of scale and greater availability of equipment; improved spectrum management and planning and greater cross-border coordination and circulation of equipment;
- b) That there are CITELE administrations that are already implementing broadband PPDR applications based on IMT systems, either in dedicated spectrum or shared spectrum with commercial networks;
- c) That Report ITU-R M.2291 provide details of the broadband capabilities of IMT, to meet the requirements of applications supporting PPDR operations;

## **TAKING NOTE:**

- a) Of Report ITU-R M.2377 “Radiocommunication objectives and requirements for Public Protection and Disaster Relief (PPDR)”;

## **EMPHASIZING:**

- a) That it is the prerogative of each government to define the most adequate approach and mechanism for the concession of spectrum licensees for deployment of IMT networks to satisfy the broadband PPDR needs;
- b) That the content of this Recommendation does not limit the evaluation of, and probable CITELE recommendation on, the harmonized use of other IMT frequency bands for PPDR purposes,

## **RECOMMENDS:**

1. That CITELE administrations that wish to deploy broadband networks for Public Protection and Disaster Relief (PPDR) in parts of the frequency range 698-894 MHz consider the following frequency arrangements:
  - 1.1. 703-748/758-803 MHz (A5 arrangement of the most recent version of Recommendation ITU-R M.1036)
    - 1.1.1. In administrations that wish to define a particular frequency range for PPDR, it is recommended to preferably use the lower portion of this band.
  - 1.2. 758-768/788-798 MHz (A4 arrangement of the most recent version of Recommendation ITU-R M.1036).
  - 1.3. 807-824/852-869 (arrangements 1 and 2 in Recommendation PCC.II/REC. 35 (XX-12)).
2. To abrogate Recommendation CITELE PCC.II/REC. 41 (XXII-13).

**AUTHORIZATION OF EARTH STATIONS IN MOTION COMMUNICATING WITH  
GEOSTATIONARY SPACE STATIONS IN THE FIXED SATELLITE SERVICE IN THE  
FREQUENCY BANDS 19.7-20.2 GHZ AND 29.5-30.0 GHZ IN THE AMERICAS**

The 27<sup>th</sup>. Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting,

**CONSIDERING:**

- a) That the bands 19.7-20.2 GHz and 29.5-30.0 GHz are globally allocated on a primary basis to the FSS and that there are a large number of geostationary satellite orbit (GSO) FSS satellite networks operating in these frequency bands;
- b) That there is an increasing need for mobile communications, including global broadband satellite services, and that some of this need can be met by allowing earth stations that can operate while stationary or in motion on platforms (such as ships, aircraft and land vehicles) to communicate with space stations of the FSS operating in the frequency bands 19.7-20.2 GHz and 29.5-30.0 GHz;
- c) That earth stations in motion (ESIM) are currently operating in GSO FSS networks in the bands 19.7-20.2 GHz and 29.5-30.0 GHz;
- d) that important sectors including maritime, aeronautical, energy and government can benefit significantly from the services provided using ESIM;
- e) that the ITU-R has studied certain technical and operational aspects of these earth stations in motion in the referenced bands, see ITU-R Report S.2357;

**RECOGNIZING:**

- 1) That WRC-15 adopted RR **No. 5.527A** and Resolution **156** that together provide a global framework for the operation of ESIM with GSO space stations in the Fixed-Satellite Service in the bands 19.7-20.2 GHz and 29.5-30.0 GHz;
- 2) That the Radiocommunication Bureau introduced a new class of station for ESIMs communicating in the FSS in the bands referred to in No. 5.527A.
- 3) that the framework adopted by WRC-15 was based on the Inter-American Proposal (IAP) to the Conference on this topic and is fully consistent with it;
- 4) that some CITEL Administrations have already adopted national regulations consistent with the framework adopted at WRC-15;
- 5) that various CITEL Administrations have authorized ESIM operation in their countries;

---

<sup>6</sup> PCC.II-RADIO/doc. 4046/16 r2

6) that implementation of national regulatory frameworks in the Americas would facilitate the deployment of services that could be offered with the use of ESIMs,

**RECOMMENDS:**

That, in the band 19.7-20.2 GHz (space-to-Earth) and 29.5-30.0 GHz (Earth-to-space), CITEL Administrations consider the adoption of national provisions to facilitate the deployment of ESIMs consistent with the framework adopted by WRC-15.

**PCC.II/REC. 51 (XXVII-16) <sup>7</sup>**

**USE OF THE FREQUENCY RANGE 10.7 – 12.2 GHZ FOR SATELLITE TELEVISION APPLICATIONS.**

The 27th meeting of Permanent Consultative Committee II, Radiocommunications:

**CONSIDERING:**

- a) That delivering audiovisual services via satellite (generically known as satellite television or DTH) has had continuous growth since their introduction in the Americas Region.
- b) That in April 2016, the number of subscribers of satellite television applications was above 70 million in Americas Region<sup>8</sup>.

**TAKING NOTE:**

- a) That some member states have further adopted within their national regulations, including their national allocation tables, the possibility of use of the range 10.7 – 12.2 GHz, or parts thereof, for applications of satellite television, by assuring protection the other uses within the mentioned range;
- b) That member states should take into account the need to protect existing services and applications when planning the use of the 10.7-12.2 GHz band.

**RECOGNIZING:**

- a) That Radio Regulations article 5 allocates:
  - i. Frequency Range 10,7-11,7 GHz, in a co-primary basis to the Fixed, Fixed Satellite and mobile except aeronautical mobile services,

---

<sup>7</sup> PCC.II-RADIO/doc. 4073/16 r4

<sup>8</sup> Source: Telecommunications Management Group based on the Business Bureau, Market Estimates – 1Q 2016 – Paid TV Market in LATAM, Leichtman Research Group, Research Notes, 1Q 2016, and Instituto Federal de Telecomunicaciones de Mexico, 4Q 2015 Statistical Report.

- ii. Frequency range 11,7-12,1 GHz in a co-primary basis to the Fixed and Fixed Satellite services, and in a secondary basis to mobile except aeronautical mobile service;
- iii. Frequency range 12,1-12,2 GHz in a primary basis to the Fixed Satellite service;

*Additionally RR No. 5.485 states: "In Region 2, in the band 11.7-12.2 GHz, transponders on space stations in the fixed-satellite service may be used additionally for transmissions in the broadcasting-satellite service, provided that such transmissions do not have a maximum e.i.r.p. greater than 53 dBW per television channel and do not cause greater interference or require more protection from interference than the coordinated fixed-satellite service frequency assignments. With respect to the space services, this band shall be used principally for the fixed-satellite service".*

- b) That diverse geostationary satellite networks that have coverage in Region 2, operate in the frequency range 10.7 – 12.2 GHz, and parts of this range, and are currently used by television satellite applications, among other uses.

#### **RECOMMENDS:**

That CITEL Member States consider to establish or update in their regulatory framework the conditions of use for satellite television applications within the frequency range 10.7-12.2 GHz, or parts of it, without any restriction to other uses of this frequency range which have to be protected.

### **PCC.II/REC. 52 (XXVII-16) <sup>9</sup>**

#### **GENERIC OR BLANKET LICENSING REGIMES FOR UBIQUITOUSLY DEPLOYED FIXED SATELLITE SERVICE EARTH STATIONS**

The 27<sup>th</sup>. Meeting of Permanent Consultative Committee II: Radiocommunications,

#### **CONSIDERING:**

- a) that it is widely recognized that access to information and knowledge represents a significant opportunity for social and economic development, as well as for regional cooperation and integration;
- b) that broadband infrastructure is supported by multi-technology platforms, where satellite communications play a very important role;
- c) that the benefits of satellite-based communications are being recognized in every sector of activity, both private and public and used extensively in developed and developing countries;
- d) that satellite networks have evolved the capability to provide broadband services to users on a ubiquitous basis;

---

<sup>9</sup> PCC.II-RADIO/doc.4104/16r1

- e) that the successful deployment of satellite broadband user terminals rely heavily on national rules and regulations;
- f) that the ubiquitous nature of satellite two-way user terminals require flexible and efficient regulatory frameworks;
- g) that in order to obtain the full benefits of FSS applications it is important to consider domestic licensing regimes that allow a large number of two-way earth stations falling under defined technical criteria, to operate under one single license without the need to identify their specific locations;

#### **RECOGNIZING:**

- 1) that Recommendation PCC.II/REC. 36 (XX-12) highlighted the importance of facilitating the development of Fixed-Satellite Service (FSS) broadband services and the associated ubiquitously deployed earth stations in the frequency bands identified for high density FSS;
- 2) that some CITEL Administrations have already adopted national regulations in which generic or blanket licensing is used to authorize the ubiquitous deployment of large or indefinite number of earth stations with technically identical characteristics;
- 3) that the European region, through the CEPT, has adopted a set of policy principles for generic licensing, that eliminates the need for individual licensing of two-way earth stations;
- 4) that the implementation of blanket or generic licensing of earth stations might not be feasible in all frequency bands allocated to FSS depending on national use of a particular band;
- 5) that adoption of national regulatory regimes in the Americas that consider generic or blanket licensing of ubiquitous two-way earth stations, would facilitate the deployment of important broadband services provided by satellite that can be offered directly to end users.

#### **RECOMMENDS:**

That, where feasible and according to their National frequency allocation tables, CITEL administrations, in the preparation of their national satellite regulations, implement provisions for generic or blanket (non individual) licensing, for ubiquitously deployed two-way FSS earth stations.

## V. DECISIONS

---

### PCC.II/DEC. 183 (XXVII-16)<sup>10</sup>

#### QUESTIONNAIRE ON USAGE AND FUTURE PLAN OF FREQUENCY BANDS UNDER STUDY IN AGENDA ITEM 1.13 OF WRC-19, IN AMERICAS REGION.

The 27 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II),

#### DECIDES:

1. To request the Secretariat of CITEL to distribute to the Member State Administrations the questionnaire annexed hereto in order to assess the current and future usage plans of the frequency bands under study of agenda item 1.13 of WRC-19 by the OAS/CITEL
2. To invite administrations to review and answer the questionnaire: “Questions on spectrum needs for IMT under WRC-19 agenda item 1.13”, attached to the chairman’s report on the twenty-fourth meeting of Working Party 5D (Geneva, 14-22 June 2016), available in (<http://www.itu.int/md/R15-WP5D-C-0234/en>)
3. To invite the OAS/CITEL Administrations to forward, by November 1, 2016, their replies on the questionnaire to the Rapporteur for this survey (Camilo Zamora, [Camilo.zamora@ane.gov.co](mailto:Camilo.zamora@ane.gov.co)) with a copy to the Secretariat of CITEL ([citel@oas.org](mailto:citel@oas.org)).

#### ANNEX TO DECISION PCC.II/DEC. 183 (XXVII-16)

##### Questionnaire to CITEL State Members

#### Questions on current usage

**Question 1:** Please fill out the following table (bands are listed in Resolution 238 [COM6/20] (WRC-15)), with information about current allocation, licenses within the frequency ranges, the applications implemented and licensees of this frequency range (e.g. if the licensees are private or public).

#### Answer:

Frequency Ranges	Sub Ranges	Service currently allocated (Please indicate frequency range(s) for each service)	Applications / Technologies / licensees information
24.25-27.5 GHz			

---

<sup>10</sup> PCC.II-RADIO/doc. 4108/16

31.8-33.4 GHz			
37-43.5 GHz			
45.5-50.2GHz 50.4-52.6GHz			
66-76 GHz 81-86GHz			

**Question 2:** Please fill out the following table with information about:

- The expiry date (if there is one) of existing licenses;
- The geographical zones where the deployment has been made (if it is in urban, rural areas or both).

**Answer:**

<b>Frequency Range</b>	<b>Sub Range</b>	<b>Licenses expiration / Implementation zone</b>
24.25-27.5 GHz		
31.8-33.4 GHz		
37-43.5 GHz		
45.5-50.2GHz 50.4-52.6GHz		
66-76 GHz 81-86GHz		

**Question planned use.**

**Question 3:** Please fill out the following table with information about planned use that your administration may have in each frequency range.

**Answer:**

<b>Frequency Ranges</b>	<b>Sub Ranges</b>	<b>Planned/Future services and applications</b>	<b>Timeline</b>
24.25-27.5 GHz		1	
		2	



31.8-33.4 GHz			
37-43.5 GHz			
45.5-50.2GHz 50.4-52.6GHz			
66-76 GHz 81-86GHz			

Please provide any additional comment that the administration may have, about the studies that are ongoing in ITU under WRC-19 agenda item 1.13

**PCC.II/DEC. 184 (XXVII-16) <sup>11</sup>**

**RECOGNITION OF THE CHAIRS, VICE CHAIRS, AND COORDINATORS OF THE  
WORKING GROUP FOR THE PREPARATION OF CITEL FOR THE 2015 WORLD  
RADIOCOMMUNICATION CONFERENCE**

The 27 Meeting of Permanent Consultative Committee II: Radiocommunications including Broadcasting (PCC.II),

**DECIDES:**

1. To instruct the Executive Secretary to forward a communication to:
  - a. The administrations of Uruguay and United States of America expressing the recognition, congratulations, and appreciation of Permanent Consultative Committee II for the excellent work done by Mr. Héctor Budé, as Chair, and Mr. Carmelo Rivera, as Vice Chair, of the Working Group for the Preparation of CITEL for the 2015 World Radiocommunication Conference (WRC-15).
  - b. The administrations of the Coordinators and Alternate Coordinators of subgroups and the Rapporteurs and Alternate Rapporteurs for agenda items, expressing appreciation for the excellent work done prior to and during WRC-15, which resulted in the adoption by WRC-15 of a large number inter-American proposals.
2. To express appreciation to the Secretariat of CITEL for its excellent efforts in support of the preparations for WRC-15, and during that meeting.

---

<sup>11</sup> PCC.II-RADIO/doc. 4122/16 c1.

**REGARDING A QUESTIONNAIRE TO STUDY THE CONTINUAL MONITORING,  
CONTROL AND PROTECTION OF THE CRITICAL INFRASTRUCTURE USED BY  
UTILITIES**

The 27 Meeting of the Permanent Consultative Committee II: Radiocommunications (PCC.II),

**WHEREAS:**

1. CITEL has established an Electronic Correspondence Group within the Terrestrial Fixed and Mobile Radiocommunication Services Working Group to 1) review the existing studies within the ITU-R and ITU-T on the issue of continual monitoring, control and protection of the critical infrastructure used by utilities, and 2) consider future action within CITEL and in the ITU in order to promote spectrum harmonization for these utility applications and to address the current and future spectrum needs of utilities.
2. The coordinator of the Electronic Correspondence Group has submitted its informational report ([document 27-4048](#)) to CITEL as part of the 27th Meeting of PCC.II in Bogota, Colombia, and the report summarizes that additional information is needed to support the harmonization efforts of spectrum by utilities;
3. The Electronic Correspondence Group seeks greater participation from CITEL delegations, particularly in regards to the current use of the 400 MHz band as well as other frequency bands, which could potentially be regionally harmonized and used by utilities in their respective countries.

**DECIDES:**

1. To request the Member States to complete the questionnaire attached in the Annex to this Decision, until the XXVIII Meeting of the PCC.II, in order to gather information about the availability of spectrum in the 400 MHz frequency range in each respective country within CITEL.
2. To request that Member States report that information to the Rapporteur of the Electronic Correspondence Group and the Secretariat of CITEL, who would be responsible for compiling the information by 30 days prior to the XXVIII meeting of PCC.II
3. That the Rapporteur present this information as a report during the XXVIII meeting of PCC.II.

**ANNEX TO DECISION PCC.II/DEC. 185 (XXVII-16)**

**QUESTIONNAIRE FOR THE CONTINUAL MONITORING, CONTROL AND PROTECTION  
OF THE CRITICAL INFRASTRUCTURE USED BY UTILITIES**

Country/Administration:  
Name of who completes the survey:

---

<sup>12</sup> PCC.II-RADIO/doc. 4105/16 r2

Entity/Institution:  
Contact data:  
Telephone:  
E-mail:

**Please answer the following questions:**

1. Please explain what bands are currently in use by utilities in your country, as well as any bands that may potentially be made available in the future for use by utilities?

---

2. Would the 406.2-420 MHz band be potentially available to support broadband communications by utilities?

---

3. Would the 406.2-420 MHz band potentially available to support narrowband communications?

---

4. If the 406.2-420 MHz band is not potentially available to support broadband or narrowband communications by utilities, is there another segment of the 400 MHz band that would be available for broadband or narrowband use by utilities?

---

5. How is the 406.2 to 420 MHz band currently allocated for use in your country?

- ☐ Private Land Mobile
- ☐ Government Use
- ☐ Commercial

Other \_\_\_\_\_

6. How heavily used is the 406.2 to 420 MHz band in your country?

---

**QUESTIONNAIRE ABOUT THE REGULATORY PROCEDURES APPLICABLE TO SMALL SATELLITES, NANOSATELLITES, AND PICOSATELLITES**

The 27 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II)

**DECIDES**

1. To request the Administrations of the member states and associate members of CITELE to respond to the following questions so they can collaborate with the purpose of Resolution ITU-R 68 *“Improving the dissemination of knowledge concerning the applicable regulatory procedures for small satellites, including nanosatellites and picosatellites.”*
2. To designate Mr. Olmo Fabián Ramírez Soberanis (olmo.ramirez@ift.org.mx) of the Administration of Mexico to compile the information provided by the member states.
3. To entrust the Administration of Mexico with the presentation, on the occasion of the 28<sup>th</sup> meeting of PCC.II, of a summary of the responses received.

Questionnaire

- In your country, does there exist a process or specific disposition applicable to the development, manufacturing, authorization, exploitation and launching of small satellite (mass less than 100 kg)? If your answer is “yes,” please add the references to the regulations and provide a brief explanation thereof.
- What are the governmental offices and national organizations, as well as the relevant stakeholders that participate in referred activities, including applicable regulatory procedures to this kind of satellites?
- Have your Administration identified potential improvements to the procedures applied by international organizations part of the coordination and registration of such satellites? If your answer is “yes,” please describe them.
- Has your Administration prepared any guidance or information materials that describe and explain national and international procedures that may be useful for the small satellite community? If so, would such material be useful for other Administrations in their efforts to disseminate knowledge concerning the applicable regulatory procedures for small satellites?

---

<sup>13</sup> PCC.II-RADIO/doc. 4067/16 r5

**QUESTIONNAIRE ON THE IMPLEMENTATION OF A BROADCASTING POLICY**

The 27 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II),

**DECIDES**

1. To request the Member States to answer the following questions in order to compile the information and identify the best practices designed to facilitate the deployment and development of broadcasting services in accessible condition for the population.
2. To invite the OAS/CITEL Administrations to forward, by November 1, 2016, their replies on the questionnaire to the Rapporteur for this survey (Mr. Armando Zacateco, [armando.zacateco@ift.org.mx](mailto:armando.zacateco@ift.org.mx)) with a copy to the Secretariat of CITEL ([citel@oas.org](mailto:citel@oas.org)).

**ANNEX TO DECISION PCC.II/DEC. 187 (XXVII-16)**

**QUESTIONNAIRE ON THE IMPLEMENTATION OF A BROADCASTING POLICY**

1. Recently, has your administration established measures in order to promote and develop AM/FM broadcast and broadcast TV (over-the-air), including digital broadcasting? If so, please identify them.
2. What measures have been implemented to promote the production of local content for programming?
3. Which actions have been adopted so that the radio broadcasting industry can face the challenges that the convergence to the new technologies represents?

---

<sup>14</sup> PCC.II-RADIO/doc. 4118/16 r1

## V. LIST OF BASIC DOCUMENTS

---

1. Summary Minutes of the Inaugural Session and First Plenary Session	PCC.II-RADIO/doc. 4097/16 rev.1
2. Summary Minutes of the Second Plenary Session and of the Closing Plenary Session	CCP.II-RADIO/doc. 4119/16
3. Report of Working Group on Preparation for Regional and World Radiocommunication Conferences	Not available
4. Report of Working Group on Terrestrial Fixed and Mobile Radiocommunication Services	CCP.II-RADIO/doc. 4112/16
5. Report of Working Group on Satellite Systems to Provide Fixed and Mobile Services	CCP.II-RADIO/doc. 4113/16
6. Report of Working Group on Broadcasting	CCP.II-RADIO/doc. 4114/16
7. List of Documents	CCP.II-RADIO/doc. 4025/16 rev.3
8. List of Participants	CCP.II-RADIO/doc. 4026/16 rev.1
9. Final Report for the Meeting	CCP.II-RADIO/doc. 4123/16 cor. 2