

PCC.II/RES. 59 (XIII-09) ¹

PCC.II WORK PLAN FOR 2009-2010

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

CONSIDERING:

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

RESOLVES:

- 1. To approve the work plans of PCC.II attached.
- 2. To assess the results of and revise these work plans annually.
- 3. To revoke PCC.II/RES. 56 (XII-08).

¹ CCP.II-RADIO/doc. 2027/09

ANNEX TO RESOLUTION PCC.II/RES. 59 (XIII-09)

WORKING GROUP ON PREPARATION FOR REGIONAL AND WORLD COMMUNICATION CONFERENCES

1. AUTHORITIES

Chair: Brazil
Vice-Chair 1: Uruguay
Vice-Chair 2: United States of America

Working Sub-Group	Issues	Agenda Items
SGT-1	MARITIME, AERONAUTICAL, AND RADIOLOCATION	1.3, 1.4, 1.9, 1.10, 1.14, 1.15, 1.21
SGT-2	FIXED, MOBILE, BROADCASTING AND AMATEUR	1.5, 1.8, 1.13, 1.17, 1.20, 1.23
SGT-3	SCIENCE AND SATELLITE	1.6, 1.7, 1.11, 1.12, 1.16, 1.18, 1.24, 1.25, 7
SGT-4	FUTURE WORK PROGRAM AND OTHER ISSUES	1.1, 1.2, 1.19, 1.22, 2, 4, 8.1, 8.2

2. TERMS OF REFERENCE

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

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

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

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

3. OBJECTIVES

3.1 To ensure that the backgrounds and proposals for each item on the Agenda of Regional and World Radiocommunication Conferences to be held during the period 2008-2011 are kept updated.

3.2 To agree on Inter-American Proposals (IAPs) to be presented at Regional and World Radiocommunication Conferences to be held during the period 2008-2011.

4. STRATEGIC PRIORITY

To promote the active participation of all CITEL administrations in presenting and negotiating the proposals mentioned in the Agenda items of Regional and World Radiocommunication Conferences to be held during the period 2008-2011.

5. LINES OF ACTION

- 5.1. To analyze proposals and promote agreements or consensus leading to Draft Inter-American Proposals (DIAPs).
- 5.2. To promote rapprochement among the administrations to achieve Inter-American Proposals (IAPs).
- 5.3. To endeavor to have the DIAPs and IAPs be distributed to all the administrations on a timely basis.
- 5.4. To call for the active participation of the administrations at the meetings of the Working Group for the Preparation for Regional and World Radiocommunication Conferences.
- 5.5. To foster the participation of the administrations in the process preparatory to Regional and World Radiocommunication Conferences to be held during the period 2008-2011.
- 5.6. To foster circulation of relevant information through the contacts identified by the administrations taking part in the ITU-R Study Groups and through the CITEL spokespersons at the relevant meetings.
- 5.7. To foster participation and presentation of proposals by the administrations during the period between PCC.II meetings.
- 5.8. To interact with other CITEL Working Groups, especially PCC.II groups.
- 5.9. To identify CITEL spokespersons for those items on the WRC-11 agenda items where there are IAPs.
- 5.10. To promote CITEL candidates to be considered as authorities of the Conference Preparatory Meeting (CPM) and WRC.

6. INDICATORS

- 6.1 Contributions.
- 6.2 Draft IAPs.
- 6.3 IAPs achieved.
- 6.4 IAPs adopted at the World Radiocommunication Conferences.

7. ACTIVITIES

During the 2009-2010 period the activities to be carried out by the group will be those arising from proposals by the administrations. The procedure for drawing up the IAPs is set forth in the appropriate Resolution.

WORKING GROUP ON TERRESTRIAL AND FIXED AND MOBILE RADIOCOMMUNICATION SERVICES

1. AUTHORITIES

Chair: Brazil
Vice-Chairs: Guatemala, Dominican Republic

2. TERMS OF REFERENCE

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

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

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

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

3. OBJECTIVES

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

3.2 To promote the active participation of all CITEL administrations and Associate Members in preparing Resolutions, Recommendations and Decisions on issues that are part of the Terrestrial Fixed and Mobile Radiocommunication Services, all within the mandate of the Working Group.

4. STRATEGIC PRIORITY

To promote the active participation of all CITEL administrations and Associates in supporting the timely access to the radio spectrum for new applications and technologies on fixed and mobile services, taking into account the currently existing radiocommunication services.

5. LINES OF ACTION

5.1 To encourage the participation and submittal of contributions by the administrations and Associate Members at the meetings of the PCC.II.

5.2 To foster the participation of the administrations and Associate Members at the PCC.II fora that might be created, to enrich and discuss matters related to issues on the rational, adequate and efficient use of the radio spectrum and its timely access.

5.3 To the extent necessary, working jointly with other Working Groups within PCC.II, using mechanism allowed by PCC.II procedures for its results to reach general consensus.

5.4 To deal with issues appointed to the group to objectively include in its results the various contributions made during its activities.

6. INDICATORS

6.1 Proposals submitted by the administrations, on the issues discussed by the group and contributions in the meetings that might be held.

6.2 Meetings held to evaluate the proposals submitted by the administrations and Associate Members which make it possible to materialize Resolutions, Recommendations and Decisions.

6.3 Creation of discussion groups over the CITEL Electronic forum, to facilitate the exchange of opinions and to make it possible, through distance communication, to reach an agreement on the proposals.

6.4 Documents sent to other PCC.II Working Groups in order to be able complement the points of view that make it possible to achieve the general goals of the PCC.II.

7. ACTIVITIES

The activities of the group during this period shall be those assigned to it on its mandate and, those that arise as a result of the proposals made by the administrations and the Associate Members. The issues shall vary as a consequence of technological advances and the needs to use the radio spectrum.

Following is attached hereto as reference; a table showing information on some of the issues and activities identified that will be included or that might be subject to analysis by the group during the period encompassed by this plan.

MAIN TOPICS IDENTIFIED

YEAR				
2006	2007	2008	2009	2010
Broadband over power lines (BPL).	Broadband over power lines (BPL).	Broadband over power lines (BPL).	Broadband over power lines (BPL).	

YEAR				
2006	2007	2008	2009	2010
Re-location of the 700 MHz band.	Re-location of the 700 MHz band.	Re-location of the 700 MHz band.	Implementation of IMT in Region 2	Implementation of IMT in Region 2.
-	-	Use of bands identified for IMT in Region 2.		
-	-	Available frequencies for emergency situations.	Harmonization of available frequencies for emergency situations.	Harmonization of available frequencies for emergency situations.
-	-	-	Implementation of the Digital Dividend in the Americas.	Implementation of the Digital Dividend in the Americas.
Review and discussion involving radio frequency identification devices.	Review and discussion involving radio frequency identification devices.	Review and discussion involving radio frequency identification devices.	Analysis, review, discussion of subsequent or new issues arising from technological developments (MIMO, cognitive and intelligent radio, UWB, RFID, low power devices, etc.).	Analysis, review, discussion of subsequent or new issues arising from technological developments (MIMO, cognitive and intelligent radio, UWB RFID, low power devices, etc.).
-	Theory and application of cognitive equipment or intelligent radio.	Theory and application of cognitive equipment or intelligent radio.		
-	Application of intelligent antennas and the technique known as MIMO (Multiple Input Multiple Output).	Application of intelligent antennas and the technique known as MIMO (Multiple Input Multiple Output).		
-	Studies on the theory and application of UWB radio equipment.	Studies on the theory and application of UWB radio equipment.		
Update of PCC.II recommendation on low power radio devices.	Update of PCC.II recommendation on low power radio devices.	Update of PCC.II recommendation on low power radio devices.		

YEAR				
2006	2007	2008	2009	2010
Broadband Wireless Access (BWA) Systems.	Broadband Wireless Access (BWA) Systems.	Broadband Wireless Access (BWA) Systems.	Broadband Wireless Access (BWA) Systems including fixed and mobile service convergence.	Broadband Wireless Access (BWA) Systems including fixed and mobile service convergence.
-	Aspects of Broadband Mobility.	Aspects of Broadband Mobility.		
-	Aspects of fixed and mobile system convergence.	Aspects of fixed and mobile system convergence.		
-	-	Attributions to the radiolocation service.	Attributions to the radiolocation service.	Attributions to the radiolocation service.
RLAN on the 5 GHz band inside aircraft.	RLAN on the 5 GHz band inside aircraft.	Spectrum needs for the functioning of unmanned aircraft systems (UAS).	Introduction of new systems to the aeronautical mobile service (R) SMA(R).	Introduction of new systems to the aeronautical mobile service (R) SMA(R).
-	-	Introduction of new systems to the aeronautical mobile service (R) SMA(R).		

WORKING GROUP ON SATELLITE SYSTEMS TO PROVIDE FIXED AND MOBILE SERVICES

1. AUTHORITIES

Chair: Peru
Vice-Chairs: El Salvador, Mexico

2. TERMS OF REFERENCE

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

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

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

- 2.3.1 use of the radio frequency spectrum;
- 2.3.2 possible criteria for sharing frequency bands for the interoperability of satellite systems and other services;
- 2.3.3 procedures for coordination in keeping with those of ITU-R;
- 2.3.4 implementation of the Global Mobile Personal Communications by Satellite (GMPCS) Memorandum of Understanding and Arrangements;

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

- 2.4.1 technical standards;
- 2.4.2 regulatory framework;
- 2.4.3 interconnection criteria;
- 2.4.4 operation networks;
- 2.4.5 migration processes;
- 2.4.6 existing providers and technologies on the market;
- 2.4.7 unhindered circulation of GMPCS terminals across borders;
- 2.4.8 services transmitted through satellite systems.

3. OBJECTIVES

3.1 To maintain, broaden, and strengthen cooperation with CITEL Member States and the associate members of PCC/II, to achieve the harmonious development of telecommunications by satellite in the region.

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

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

4. STRATEGIC PRIORITY

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

5. LINES OF ACTION

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

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

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

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

6. INDICATORS

6.1 Recommendations, Resolutions, and Decisions considering the work to be developed.

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

6.3 Electronic discussion forums and technical notebooks.

7. ACTIVITIES

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

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

ACTIVITY	2007	2008	2009	2010
1. General guidelines for granting licenses for global mobile personal communications by satellite systems (GMPCS).	1.1 Discussion of proposals on the topic.	1.1 Discussion of proposals on the topic.	1.1 Discussion of proposals on the topic.	1.1 Discussion of proposals on the topic.
2. Procedures to be used for the authorization of earth stations on board vessels (ESV).	2.1 Establishment of a database on the procedures for the use of ESV.	2.1 Update the technical and regulatory procedures on the basis of the results of the studies of the ITU-R.	2.1 Update the technical and regulatory procedures on the basis of the results of the studies of the ITU-R.	2.1 Update the technical and regulatory procedures on the basis of the results of the studies of the ITU-R.

ACTIVITY	2007	2008	2009	2010
		2.2 Develop possible Recommendations that would improve the use of ESV, if necessary.	2.2 Develop possible Recommendations that would improve the use of ESV, if necessary. 2.3 Maintenance of the database and possible update.	2.2 Develop possible Recommendations that would improve the use of ESV, if necessary. 2.3 Maintenance of the database and possible update.
3. Implementation of regulations that facilitate the deployment of satellite services.	3.1 Update of the existing database as administrations provide the corresponding information.	3.1 Update of the existing database as administrations provide the corresponding information. 3.2 Develop possible Recommendations that would facilitate the deployment of satellite services.	3.1 Update of the existing database as administrations provide the corresponding information. 3.2 Develop possible Recommendations that would facilitate the deployment of satellite services.	3.1 Update of the existing database as administrations provide the corresponding information. 3.2 Develop possible Recommendations that would facilitate the deployment of satellite services.
4. Harmful interferences of unauthorized transmissions on satellite networks.	4.1 Establish criteria between administrations and satellite operators to deal with harmful unauthorized interferences.	4.1 Establishment of a regional methodology to deal with harmful unauthorized interferences to be used by CITEL member administrations.	4.1 Continue joint work between satellite operators and administrations on the topic. 4.2 Maintenance and update of the established methodology. 4.3 Offer courses on interferences through Regional Centers of CITEL to the technical and regulatory staff that oversees and operates earth	4.1 Continue joint work between satellite operators and administrations on the topic. 4.2 Maintenance and update of the established methodology

ACTIVITY	2007	2008	2009	2010
			transmission stations.	
5. Usage, operation, and applications of the C-band by CITEL member administrations.	5.1 Review and discussion of the topic.	5.1 Proposals for the drafting of Resolutions and Recommendations.	5.1 Proposals for the drafting of Resolutions and Recommendations.	5.1 Proposals for the drafting of Resolutions and Recommendations.
6. Existing data bases concerning satellite systems.	6.1 Review and update.	6.1 Review and update.	6.1 Review and update.	6.1 Review and update.
7. Technical and regulatory issues of Appendix 30B (AP30B).		7.1 Establish the necessary strategies and coordination to design and implement training programs on the application of AP30B of the ITU Radio Regulations for the CITEL administrations.	7.1 Submittal of information contributions on the application of the AP30B and on its progress to the relevant Study Groups at the ITU-R.	7.1 Coordinating the organization of training courses on the application of the AP30B, especially for authorities and official in charge of the policies and regulations of the telecommunication sector of the CITEL Member States. 7.2 Submittal of information contributions on the application of the AP30B and on its progress to the relevant Study Groups at the ITU-R.
8. The use of satellite systems for public protection and disaster relief (PPDR) operations.			8.1 Review relevant information concerning the use of satellite systems to provide PPDR communications. 8.2 Develop a Recommendation (s) on the use of	8.1 Review relevant information concerning the use of satellite systems PPDR communications. 8.2 Develop a Recommendation (s) on the use of satellite systems

ACTIVITY	2007	2008	2009	2010
			satellite systems for PPDR.	for PPDR.
9. The use of Integrated Systems as an element of emerging Next Generation Networks (NGN).			<p>9.1 Review relevant information concerning the use of integrated SMS systems as an emerging element of Next Generation Networks (NGN).</p> <p>9.2 Develop a Recommendation (s) on the use of integrated SMS systems as an emerging element of Next Generation Networks (NGN).</p>	<p>9.1 Review relevant information concerning the use of integrated SMS systems as an emerging element of Next Generation Networks (NGN).</p> <p>9.2 Develop a Recommendation (s) on the use of integrated SMS systems as an emerging element of Next Generation Networks (NGN).</p>

Work plan to address interference harmful to satellite systems in the region

APPROVED ACTIVITY	PROPOSED ACTIONS TO BE CARRIED OUT
<p>1 Updated registry of earth stations. Each Administration requires an up to date registry of all the transmitting earth stations that operate within its national territory, including all relevant information such as geographical coordinates, address, antennas, satellites to which they transmit operational frequencies, etc.</p>	<p>1.1 Encourage administrations to have this Register.</p> <p>1.2 Promote the updating of the Register.</p> <p>1.3 Promote the public availability of the Register.</p> <p>1.4 Propose an appropriate Register format for administrations that do not have one.</p> <p>1.5 Promote to create a earth station data base for the control of the administrations.</p> <p>1.6 In the case of earth stations subject to block or generic licensing, encourage CITELE administrations to maintain a register themselves or via their licensed operators.</p>
<p>2. Training of the technical staff and staff that regulates, supervises or operates of transmitting earth stations. It is essential that the operational staff of the earth stations receive training to</p>	<p>2.1. Design curricula for seminars or courses.</p> <p>2.2. Select among the available courses of satellite operator members of PCC.II.</p> <p>2.3. Offer them through the CITELE's Regional Training Centers.</p>

APPROVED ACTIVITY	PROPOSED ACTIONS TO BE CARRIED OUT
operate the equipment, which must be recognized by the Administration.	2.4. Promote the dissemination of such courses.
3. Dissemination of examples of best practices for eliminating unauthorized transmissions, including the actions that have been applied. It is suggested that a dissemination system be established among CITEL administrations in order to discourage attempts to transmit without authorization.	3.1 Create a space in CITEL's website to disseminate this information. 3.2 Encourage CITEL administrations to consider the information from the Satellite Users Interference Reduction Group (SUIRG).
4. Verification of transmissions. It may be necessary that the relevant CITEL administrations carry out verifications of transmissions without advance warning, in order to ensure that earth stations within their territories are transmitting according to the frequency assignment plan.	4.1 Encourage CITEL administrations to develop monitoring mechanism, including methods and tools needed to carry out this action when required. 4.2 Invite participation by satellite operators in this process.
5. Characterize cases of unauthorized transmissions that may occur. It is necessary to define what would be considered as an unauthorized transmission. Basically, the suggestion is apply this definition to any transmission occurring outside the authorized frequencies; however, it should also be noted that accidental transmissions may occur due to human error or equipment failure, or intentional transmissions.	5.1 Development of a glossary of concepts and definitions agreed among the countries of CITEL.
6. Unify criteria at the regional level. Apply the same criteria within the CITEL administrations to characterize unauthorized transmissions.	6.1 Development of a glossary of concepts and definitions agreed among the countries of CITEL.
7. Establish working procedures with the satellite operators involved. It is essential that satellite operators work in coordination with the corresponding Administration of each country, given that	7.1 Development of a method for participation by satellite operators, administrations, and users in efforts made in coordination with entities involved in the interference detection and elimination process. 7.2 Method should also include quantification of costs and

APPROVED ACTIVITY	PROPOSED ACTIONS TO BE CARRIED OUT
they cannot take action on their own account to resolve cases of harmful interference and that such a search may entail risks.	damages caused by interference, and sanctions therefore.

WORKING GROUP ON BROADCASTING

1. AUTHORITIES

Chair: United States of America
Vice Chairs: Brazil, Peru

2. TERMS OF REFERENCE

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

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

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

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

3. OBJECTIVES

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3.1 To promote the introduction of new technologies in broadcasting.

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

3.3 To promote participation by the administrations and Associate Members in preparing Resolutions, Recommendations, and Decisions pertaining to broadcasting-related matters, in accordance with the mandate of the Working Group.

4. STRATEGIC PRIORITY

- 4.1 To promote, inform, and assist administrations at all stages of transitioning to digital broadcasting.
- 4.2 To promote active participation by administrations of CITEL in this process.

5. LINES OF ACTION

- 5.1 To promote participation by administrations and Associate Members in the meetings of PCC.II.
- 5.2 To promote the presentation of documents, reports, and other contributions by administrations and Associate Members in the meetings of PCC.II.
- 5.3 To promote information exchange regarding matters of interest to the Working Group, meeting the needs of administrations.
- 5.4 To invite the administrations to inform PCC.II of the outcomes of international forums or events related to sector interests.
- 5.5 To urge the broadcasting industry to participate actively in the work of CITEL.
- 5.6 To make use of the services of experts to contribute to Sector research and development topics.
- 5.7 To interact with other CITEL Working Groups, especially those of PCC.II.
- 5.8 To carry out studies on the present and future use of frequency bands 54-72 MHz, 76-88 MHz and 174-216 MHz in region 2.

6. INDICATORS

- 6.1 Presentation of contributions.
- 6.2 Preparation and update of the Digital Terrestrial Television Broadcasting Implementation Guide and Digital Terrestrial Radio Broadcasting.
- 6.3 Discussion groups in CITEL's Electronic Forum.
- 6.4 Forwarding to and receipt of documents from other PCC.II Working Groups.
- 6.5 Holding of meetings to evaluate contributions and/or proposals.
- 6.6 Resolutions and Recommendations proposed.

7. ACTIVITIES

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

Goals

Activities	2010	2011	2012	2012
Share information on regulatory policies and programs governing the transition to DTTB, including the efficient use of the spectrum.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide and the database.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide and the database.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide and the database.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide and the database.
Share information on progress towards implementing DTTB in the region, including station construction, receiver availability, prices, etc.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide and the database.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide and the database.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide and the database.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide and the database.
Share latest updates and additions to recommended rules and practices for DTTB systems used in the region.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.
Incorporation of advanced audio and video codification and techniques to transport DTTB.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.
Incorporation of	1. Discussion of	1. Discussion of	1. Discussion of	1. Discussion of

Activities	2010	2011	2012	2012
mobile services and portable devices into DTTB.	proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Development of a possible recommendation.	proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Development of a possible recommendation.	proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Development of a possible recommendation.
Incorporation of interactive data and information services into DTTB.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.
Techniques to deliver HDTV, SDTV services and mobile services and portable devices via a single DTTB channel.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.
Incorporation of non-real time services and applications into DTTB.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.
Advanced legacy TV data services in DTT broadcasts.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation

Activities	2010	2011	2012	2012
	Guide.	Guide.	Guide.	Guide.
Transmission measurement and compliance for DTTB.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Discussion of ITU-R Recommendations.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Discussion of ITU-R Recommendations.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Discussion of ITU-R Recommendations.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Discussion of ITU-R Recommendations.
Review of recommended practices and performance requirements for DTTB receivers.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.
Conversion of DTT signals for cable distribution to analog TV viewers and DTH services	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Development of a possible recommendation.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Development of a possible recommendation.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Development of a possible recommendation.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Development of a possible recommendation.
Collection and updating of policies relating to the implementation of DTT.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.
Review of accessibility needs	1. Discussion of proposals relating	1. Discussion of proposals relating	1. Discussion of proposals relating	1. Discussion of proposals relating

Activities	2010	2011	2012	2012
and capabilities for DTTB services, such as conditional subtitling access, audio description, etc.	to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.
Review of issues related to the management of and approach to digital rights for DTTB.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Development of a possible Recommendation.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Development of a possible Recommendation.	1. Discussion of proposals relating to the subject. 2. Update the Digital Terrestrial Television Broadcasting Implementation Guide. 3. Development of a possible Recommendation.
Digital broadcasting systems evaluation and measurement.	1. Discussion of proposals relating to the subject. 2. Preparation of a Digital Broadcasting Implementation Guide 3. Development of a possible recommendation.	1. Discussion of proposals relating to the subject. 2. Preparation of a Digital Broadcasting Implementation Guide 3. Development of a possible recommendation.	1. Discussion of proposals relating to the subject. 2. Preparation of a Digital Broadcasting Implementation Guide 3. Development of a possible recommendation.	1. Discussion of proposals relating to the subject. 2. Preparation of a Digital Broadcasting Implementation Guide 3. Development of a possible recommendation.

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

1. AUTHORITIES

Rapporteur: Argentina
 Alternate Rapporteurs: Brazil, Peru

2. TERMS OF REFERENCE

2.1 To compile the available information and regulations of the following organizations with respect to the effects of non-ionizing radiation and the established technical standards:

- 2.1.1 WHO (World Health Organization);
- 2.1.2 PAHO (Pan American Health Organization);
- 2.1.3 ITU (International Telecommunication Union);
- 2.1.4 ICNIRP (International Commission on Non-Ionizing Radiation Protection);
- 2.1.5 MMF (Mobile Manufacturers Forum);
- 2.1.6 IEEE (Institute of Electrical and Electronics Engineers);
- 2.1.7 IEC (International Electrotechnical Commission).

2.2 To do a compilation of the regulations in force on electromagnetic radiation in the various administrations of the Region and other Regions.

2.3 To consider the AHCET Study on legislative rules and Control Procedures on radio electric emissions in Latin America, in view of the significant data contained therein.

2.4 To identify additional sources of information and submit them to the consideration of PCC.II.

2.5 To post the final report in the CITEL Webpage.

3. OBJECTIVES

3.1 To spread the information on non-ionizing radiations, the technical and regulatory aspects in the Americas Region, to: facilitate the scientific knowledge on the matter, disseminate the regional and world standards on the matter, facilitate the deployment of wireless network while protecting health and respecting the environment.

3.2 To be available to those administrations that require: cooperation for the development of their corresponding standards and/or dissemination of scientific information through meetings and seminars.

4. STRATEGIC PRIORITY

4.1 Promote and study the technical assistance related to non-ionizing radiations, under the agreements entered into by and between the corresponding countries, on the adequate standards for protecting health and respecting the environment, facilitating the deployment of radioelectric networks and taking into account that wireless technologies are among the media that facilitate universal access to the Information and Communication Technologies (ICTs) and are a fundamental tool for bridging the digital divide.

4.2 Develop reference guidelines to assist Member States in achieving their goals and taking on studies to allow the orderly development of telecommunication networks by exchanging experiences, information and knowledge between the governments and the private sector, while maintaining ongoing

communications with the various international agencies, and requesting the cooperation of world or regional governmental organizations.

5. LINES OF ACTION

5.1 To call for the participation and submittal of contributions by the administrations and Associate Members at the meetings of the PCC.II.

5.2 In conjunction with the Chair of PCC.II and the Secretariat, to make the necessary contact with Regional Organizations and Specialized Organizations in order to continue the compilation and the permanent updating of the information on the works carried out and presented on the “CD RNI” and “DVD RNI” through CITEI’s website and help its dissemination.

5.3 To foster the participation of the administrations and Associate Members at the PCC.II fora that might be created, to enrich and discuss matters related to standards dealing with non-ionizing radiations and their control to preserve health and the environment.

5.4 To remain available to those administrations that require its collaboration to develop their respective regulations.

5.5 To take part in national, regional and international seminars related to non-ionizing radiations submitting the works carried out by CITEI in the matter.

5.6 To study the systems to control non-ionizing radiations at a world level.

5.7 To discuss broadly on the matters appointed to the group so as to objectively include in their results the various contributions made during their activities.

6. INDICATORS

6.1 Distribution of the DVD, which includes the works carried out, and its posting on the Web site. (2008: XI Meeting of the PCC.II.)

6.2 Taking part in at least one annual dissemination seminar. (2008: seminars of the ICNIRP, ITU Centre of Excellence.)

6.3 Compilation on control systems on non-ionizing radiations. (2008 and 2009: XII, XIII and XIV Meeting of the PCC.II.)

6.4 Report (CD): Non-ionizing radiations monitoring systems. (2008: Presentation of the CD, XII Meeting of the PCC.II, 2009.)

6.5 Dissemination of the works carried out CD Monitoring (2009 to 2010: until XV Meeting of the PCC.II).

6.6 Summary of the regulations reached and worked carried out (2010: XVI meeting of the PCC.II).

6.7 Recommendations to the administrations on monitoring and control. (2009 to 2010: XIII and XV Meeting of the PCC.II.)

7. ACTIVITIES

The activities to be performed by the group during the period are those that arise from the proposals issued by the administrations and the Associate Members. The subjects shall vary according to the needs of the administrations. The following activities are of high importance:

1. Distribution of the DVD: Technical and Regulatory Aspects Related to Non-Ionizing Radiations
2. Taking part in Seminars/Workshops of ICNIRP
3. Taking part in ITU Seminars.
4. Assessment on non-ionizing radiations monitoring systems at a world level.
5. Study on the visual impact and its impact on the population's feeling of concern about non-ionizing radiations.
6. CD on non-ionizing radiations monitoring
7. Recommendations to the administrations on monitoring.