FINAL REPORT

- Provisional Version -

(Item on the Agenda: 7)

(Document submitted by the CITEL Secretariat)

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FINAL REPORT

32 MEETING OF PERMANENT CONSULTATIVE COMMITTEE II:
RADIOCOMMUNICATIONS (PCC.II)

The 32 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II) was held in Brasilia, Brazil, from December 3 to 7, 2018.

I.   MEETING OFFICERS

Chair of PCC.II   Mr. Mario Germán Fromow Rangel
Alternate Chair of PCC.II: Mr. José Arias (Mexico)
Vice Chair of PCC.II: Mr. Héctor Budé (Uruguay)
Vice Chair of PCC.II: Mr. Agostinho Linhares de Souza (Brazil)
Vice Chair of PCC. II: Mr. José León (El Salvador)
CITEL Executive Secretary: Mr. Oscar León

Drafting Group:

Chairperson: Luciana Ferreira (Brazil)

Members: Marc Girouard (Canada)
                             Diana Gomez (Mexico)
                             Sandra Wright (USA)

II.   REPORT OF THE PCC.II CHAIR

During the 32nd meeting of the Permanent Consultative Committee II: Radiocommunications (PCC.II), the Chair and Alternate Chair conducted deliberations based on the Agenda items listed in document PCC.II-RADIO/doc. 4683/18. Furthermore, the PCC.II working groups met according to the schedule issued as document PCC.II-RADIO/doc. 4684/18 revisions 1 through 5. The results of the activities held at the meeting can be summarized as follows:

1.   Working Group Relative to CITEL's Preparation for World Radiocommunication Conferences.

This Group met twice and each Sub Working Group of WRC-WG-19 met a total of 3 times each with the exception of SGT-4 which only met once at this meeting. During those meetings 97 documents were considered. The group's agenda was issued as document PCC.II-RADIO/doc. 4796/18 and its revisions.

The Report by the Chair with all the details was issued as document PCC.II-RADIO/doc. 4808/18.

In addition and according to the Decision PCC.II/DEC. 199 (XXX-17), the Ad-Hoc Group to update the Inter-American Proposal (IAP) procedure and to create the Inter-American Contribution (IAC) procedure, concluded the procedure for the presentation of Inter-American Contributions (IAC) from CITEL to the Assembly, Advisory Group and the Study Groups of the Radiocommunication Sector (ITU-R) of the International Telecommunication Union (ITU). The Report of the Chair of the Ad Hoc Group with all the details was published as document PCC.II-RADIO/doc. 4822/18.

2.   Working Group on Terrestrial Services

This Group met 3 (three) times, considered 15 contributions. The group's agenda was issued as document PCC.II-RADIO/doc.4793/18 and its revisions.

The Report by the Chair with all the details was issued as document PCC.II-RADIO/doc. 4809/18 rev.1.

3.   Working Group on Satellite Systems and Science Services

This group met on 2 (two) occasions, and considered 12 documents; 1 regarding a proposal to modify the group related to satellite systems and 11 for informative purposes. The group's agenda was presented as document PCC.II-RADIO/doc. 4803/18.

The Chair's Report with all the details was published as document PCC.II-RADIO/doc. 4810/18.

4.   Working Group on Radio Broadcasting

This Group met once and considered 7 documents.

The Report by the Chair with all the details was issued as document PCC.II-RADIO/doc. 4811/18

5.   Working Group to Coordinate Strategic Initiatives of the OAS related to Radiocommunications

This Group met on 2 (two) occasions, and considered 5 documents. The group's agenda was presented as document PCC.II-RADIO/doc. 4801/18.

The Report of the Chair with all the details was published as document PCC.II-RADIO/doc. 4812/18.

6.   Ad Hoc Group on "Resolutions, Decisions and Recommendations of PCC.II"

This Group met once, and considered 3 documents. The group's agenda was presented as Document 4792.

The Chair's Report with all the details was published as document PCC.II-RADIO/doc. 4813/18.

7.   Issues to be highlighted

1. The next (33) Meeting of the PCC.II will be held from April 8 to 12, 2019, in Monterrey, Mexico, thanks to the generous invitation of that Government.

2. Output documents of the 32nd Meeting of the PCC.II in preparation for the WRC-19 will be available at https://www.citel.oas.org/en/Pages/PCCII/WRC.aspx and have been issued as:

    a. **Preliminary Views**: document **PCC.II-RADIO-32/doc. 4356/18**
    b. **Preliminary Proposals**: document **PCC.II-RADIO-32/doc. 4357/18**
    c. **Draft Inter-American Proposals (DIAPs)**: document **PCC.II-RADIO-32/doc. 4358/18**
    d. **Inter-American Proposals (IAPs)**: document **PCC.II-RADIO-32/doc. 4359/18**

3. In the afternoon of December 5, 2019, the 32nd Meeting of PCC.II held the Seminar "TERRESTRIAL IMT-2020 SYSTEMS". The documents of the Seminar have been issued under the classification PCC.II-RADIO/doc. 4731/18 and addenda.

4. The 32nd Meeting of PCC.II issued a Response to ITU-R Working Party 5A on the Update on the Study Progress and Invitation for Information on Regional Considerations Regarding Possible Spectrum Harmonization for RSTT (**PCC.II-2018-32-4816c1**)

III.   AGENDA [1]

1. Approval of the agenda and schedule.

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.
          3.1.1 *Ad-Hoc* Group for the Updating of the Procedure of Inter-American Proposals (IAP) and Creation of Procedure for Inter-American Contributions (IAC)
   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.
   3.4   Working Group on Broadcasting.
   3.5   *Ad Hoc* Group to Coordinate Projects Associated with Strategic Initiatives of the OAS related to Radiocommunications
   3.6   *Ad Hoc* Group on "PCC.II Resolutions, Decisions and Recommendations"

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.

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[1] PCC.II-2018-32-4683_i

DRAFT AGENDAS OF THE 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).
    3.1 Update of WRC-19 preparations.
4. Report of chapter chairpersons and CITEL representatives.
5. Consideration of issues resulting documents submitted through the collaborative space.
6. Ad-*Hoc* Group for the Updating of the Procedure of Inter-American Proposals (IAP) and Creation of Procedure for Inter-American Contributions (IAC)
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

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. (if possible, it would be a plus trying to explore how to address any of the following topics):
    8.1 Use and operation of satellite bands in addition to C and Ku bands;
    8.2 Regulations and operation of small satellites (picosatellites, nanosatellites, cubesats);
    8.3 Use of new technologies;
    8.4 Compatibility between satellite services (fixed and mobile) and terrestrial fixed and mobile services;
    8.5 Use of bands authorized for amateur service by amateurs via satellite.

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.

3.5   *Ad Hoc* Group to Coordinate Projects Associated with Strategic Initiatives of the OAS related to Radiocommunications

1. Approval of the agenda.
2. Work Plan.
3. Other business.

3.6   *Ad Hoc* Group on "PCC.II Resolutions, Decisions and Recommendations"

1. Approval of the agenda.
2. Work Plan.

3. Other business.

IV.   RESOLUTIONS

PCC.II/RES. 126 (XXXII-18) [2]

AGENDA, VENUE AND DATE OF THE 33 AND 34 MEETING OF PCC.II

The 32 Meeting of the Permanent Consultative Committee II: Radiocommunications (PCC.II),

RESOLVES:

1.   To hold the 33 Meeting of PCC.II in Mexico from April 8 to 12, 2019.

2.   To hold the 34 Meeting of PCC.II in Canada from August 12 to 16, 2019.

3.   To approve the draft agenda for the 33 Meeting of PCC.II, attached in the annex of this resolution.

ANNEX TO RESOLUTION PCC.II/RES. 126 (XXXII-18)

DRAFT AGENDA

1.   Approval of the agenda and schedule.

2.   Appointment of the Drafting Group for the Final Report.

3.   Meeting of the Working Groups on:

   3.1 Working Group Relative to CITEL's Preparation for World Radiocommunication Conferences
   3.2 Working Group on Terrestrial Services
   3.3 Working Group on Spectrum Management
   3.4 Working Group on Satellite Systems and Science Services
   3.5 Working Group on Radio Broadcasting
   3.6 Working Group to Coordinate Strategic Initiatives of the OAS related to Radiocommunications
   3.7 Ad Hoc Group on "Resolutions, Decisions and Recommendations of PCC.II"

4.   PCC.II Strategic Plan.

5.   Agenda, Venue and Date of the next Meeting of PCC.II.

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[2] PCC.II-2018-32-4815_i

6. Other matters.

7. Approval of the Final Report of the Meeting.

DRAFT AGENDAS OF THE WORKING GROUPS

3.1 Working Group Relative to CITEL's Preparation for 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).
   3.1 Update of WRC-19 preparations.
4. Report of chapter chairpersons and CITEL representatives.
5. Consideration of issues resulting documents submitted through the collaborative space.
6. Work Plan.
7. Other matters.

3.2 Working Group on Terrestrial Services

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

3.3 Working Group on Spectrum Management

3.4 Working Group on Satellite Systems and Science 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:
   8.1 Use and operation of satellite bands in addition to C and Ku bands;
   8.2 Regulations and operation of small satellites (picosatellites, nanosatellites, cubesats);
   8.3 Use of new technologies;
   8.4 Compatibility between satellite services (fixed and mobile) and terrestrial fixed and mobile services;
   8.5 Use of bands authorized for amateur service by amateurs via satellite.

3.5　Working Group on Radio Broadcasting

1. Approval of the agenda.
2. Consideration of the inputs documents on:
   - 2.1　Digital Television.
   - 2.2　Digital Sound Broadcasting.
   - 2.3　Spectrum Usage and New Technologies for Broadcasting.
   - 2.4　Rio Janeiro 1981 Agreement.
3. Work Plan.
4. Other business.

3.6　Working Group to Coordinate Strategic Initiatives of the OAS related to Radiocommunications

1. Approval of the agenda.
2. Work Plan.
3. Other business.

3.7　Ad Hoc Group on "Resolutions, Decisions and Recommendations of PCC.II"

1. Approval of the agenda.
2. Work Plan.
3. Other business.

PCC.II/RES. 127 (XXXII-18) [3]

STRUCTURE OF THE PERMANENT CONSULTATIVE COMMITTEE II: RADIOCOMMUNICATIONS

The 32 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II),

CONSIDERING

a)   Resolution CITEL/RES.85 (VII-18) on "Establishment of Standing Advisory Committees," which establishes the objective and mandates of PCC.II and instructs it to review and update, as appropriate, its structure and procedures.

b)   The CITEL Strategic Plan 2018 - 2022 approved by the VII Assembly of CITEL by means of Resolution CITEL/RES.79 (VII-18),

TAKING INTO CONSIDERATION:

a)   Article 85, paragraph 11 of the CITEL Regulations, which establishes that the PCCs are empowered to change their working methods and to adapt them so as to meet the needs of their members as efficiently as possible, provided that they do not contravene the provisions of the Staff Regulations and Rules of the Court of Auditors. CITEL,

b)   Article 85, paragraph 13 of the CITEL Rules of Procedure, which establishes that PCCs must periodically evaluate the need to maintain their Working Groups, Rapporteurs and Ad Hoc Groups, taking into consideration their activity and efficiency in the work.

RESOLVE:

1.   Approve the structure of the PCC.II found in Annex 1 to this Resolution;

2.   Repeal Resolution PCC.II/RES. 103 (XXIV-14);

3.   Instruct Working Groups, Ad Hoc Groups and subordinate groups to perform their work:

-   in a coordinated and efficient manner in order not to duplicate tasks;

-   promoting the use of virtual meetings to advance specific topics during their consideration in PCCII meetings;

-   implementing and using adequate mechanisms to share current and completed work to CITEL members

-   holding face-to-face work sessions to consider contributions and / or issues, as needed.

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[3] PCC.II-2018-32-4817r1_i

4.   Evaluate, prior to each meeting, the need for an established Working Group to meet at a PCC.II Meeting taking into consideration its activity and contributions received.

ANNEX

"STRUCTURE OF PERMANENT CONSULTATIVE COMMITTEE II: RADIOCOMMUNICATIONS"

The Permanent Consultative Committee II: Radiocommunications (PCC.II) defines the following structure to implement its activities and meet its goals:

1.   **Working Group Relative to CITEL's Preparation for World Radiocommunication Conferences**

Mandate:

To develop common positions and produce Inter-American Proposals (IAPs) to be presented at the World Radiocommunication Conferences.

Authorities:
Chair: Carmelo Rivera – United States of America
Vice-Chairs: Martha Suarez – Colombia and Victor Martinez – Mexico

Terms of Reference:

1. To facilitate discussions and the exchange of information among the different members (Administrations and Associate Members) of CITEL.

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

3. To coordinate CITEL's work during World Radiocommunication Conferences.

4. To inform the Members of CITEL about the outcomes of the World Radiocommunication Conferences, and on the adoption of the Inter-American Proposals presented at these conferences.

2.   **Working Group on Terrestrial Services**

Mandate:
Promote the coordination, planning and harmonization of the radio spectrum and its efficient use, and the introduction of new technologies and radiocommunication systems related to terrestrial services.

Authorities:
Chair: Tarcisio Bakaus – Brazil
Vice-Chairs: Sandra Wright – United States of America, Marco Antonio Escalante – Guatemala, and Rafael Sanchez – Dominican Republic.

Terms of reference:

1. To follow up on the activities and studies carried out within the ITU, especially in ITU-R Study Group 5, considering the complementary roles of ITU-T and ITU-D, in order to develop points of view on issues related to terrestrial services.

2. To facilitate the exchange of information among the members of CITEL about the use of radio frequencies.

3. To prepare guidance regarding the use and sharing of radio frequency, including channeling and frequency arrangements.

4. To promote dialogue and provide guidance to Administrations to optimize the coordination procedures of terrestrial fixed and mobile services in border areas.

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3.   Working Group on Spectrum Management

Mandates:

To foster the exchange of information on spectrum management techniques, general principles of sharing, monitoring, long-term strategies for their use and economic approaches to national management.

Authorities:

Chair: Martha Suarez – Colombia
Vice-Chairs: Jose Joaquin Leon – El Salvador and Carolina Beatriz Jacquet Arguello – Paraguay

Terms of Reference:

1. To follow up on the activities and studies carried out within the ITU, especially in ITU-R Study Groups 1 and 3, considering the complementary roles of ITU-T and ITU-D, in order to develop points of view on issues related to spectrum management.

2. To facilitate the exchange of relevant information and best practices among the members of CITEL about relevant aspects of spectrum management for the purpose of improving radiocommunication systems.

3. To prepare guidance regarding spectrum management and principles including, for example, infrastructure deployment, propagation of radio waves and radio noise, adoption of and compliance with the upper exposure limit of human beings to nonionizing radiation in the region, based on international recommendations, as well as promoting the adoption of technical specifications for electromagnetic compatibility protecting the radiocommunication services.

4. To promote dialogue and provide guidance to Administrations to optimize spectrum utilization considering spectrum management principles and techniques, general principles of sharing, spectrum monitoring, propagation of radio waves, and long-term strategies economic approaches.

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4.   Working Group on Satellite Systems and Science Services

Mandate:

To maintain, expand and strengthen cooperation and participation of the Member States of CITEL with the members associated with the Permanent Consultative Committee II, with a view to achieving the harmonious development and efficient use of spectrum related to satellite telecommunications and science services in the region.

Authorities:

Chair: Olmo Ramirez – Mexico
Vice-Chairs: Afonso Rocha - Brazil and United States of America

Terms of reference:

1. To follow up on activities and studies carried out within the ITU, especially in ITU-R Study Groups 4 and 7, considering the complementary roles of ITU-T and ITU-D, in order to develop points of view on issues related to satellite systems and science services.

2. To facilitate the exchange of information among the members of CITEL about satellite systems and science services.

3. To prepare guidance regarding the use and sharing of radio frequency, including harmonization of spectrum usage for satellite and science services and any feasible application and the protection of these services.

4. To promote dialogue and provide guidance to Administrations to facilitate collaboration on the use of spectrum for satellite and science, including the authorization of operations in a region's countries and coordination requirements.

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5.   Working Group on Radio Broadcasting

Mandate:

Promote the planning, harmonization and coordination of the spectrum used for broadcasting service in Region 2, its efficient use and the introduction of new technologies.

Authorities:
Chair: Larry Olson – United States
Vice-Chairs: Martim Jales Hon - Brazil

Terms of reference:

1. To follow up on the activities and studies carried out within the ITU, especially in ITU-R Study Group 6, considering the complementary roles of ITU-T and ITU-D, in order to develop points of view on issues related to broadcasting services.

2. To facilitate the exchange of information among the members of CITEL regarding new technologies in broadcasting services in Region 2.

3. To prepare guidance regarding the transition to digital broadcasting including identification of strategies focused on the facilitation, deployment, and development of digital broadcasting services with accessible conditions for the population.

4. To promote capacity building, coordination, and collaboration with stakeholders for the use and adoption of digital broadcasting technologies.

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6. Working Group to Coordinate Strategic Initiatives of the OAS related to Radiocommunications

Mandate:

To plan and coordinate activities, establish schedules of tasks or projects and identify the steps to follow in each stage, monitoring and identifying the necessary resources and financing sources, partners, donors and organizations that could join efforts in order to advance with the projects and activities that are defined in the following strategic initiatives listed in the Terms of Reference.

Authorities:
Chairs: Miguel Muñoz - México
Vice-Chairs: Jamaica, Colombia.

Terms of reference:

1. Interconnectivity in the Caribbean

- To continue with the efforts in Region 2 to facilitate the development of national broadband plans with terrestrial and satellite technologies and to increase coverage and interconnectivity in the Caribbean.

- To work with satellite companies to generate opportunities for the digitization of the strategic economic sectors, for example tourism and information and communication technologies (ICT).

2 Attention to natural disasters

- To promote the use of systems useful during natural disasters including, but not limited to amateur radio, HAPS, and satellite services.

- To encourage the adoption of the *International Amateur Radio Permit* (IARP).

- To prepare guidance for disaster response, including both proactive and reactive measures.

- To promote open solutions (convenient for its low cost) such as Winlink, which is a world system of radio messages developed by radio amateurs to provide radio interconnection services that include e-mail with attached files, position reports, weather bulletins, emergency distress communications and message relay.

- To explore spectrum management schemes to promote the efficient use of this and similar resources for disaster response.

- To promote international support agreements in emergency situations that facilitate the free movement of equipment and people at the border in catastrophic situations, as well as the standardization of coordination protocols and spectrum allocation in those situations.

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7.   Ad Hoc Group on "Resolutions, Decisions and Recommendations of PCC.II"

Mandate: To periodically update information on Resolutions, Decisions and Recommendations that have been tacitly or implicitly repealed, particularly on the CITEL website.

Authorities:
Chair: Tarcisio Bakaus – Brazil
Vice-Chairs: Julio Salinas – Mexico

Terms of Reference:

1.   To prepare a list of all Resolutions, Decisions and Recommendations of PCC.II, including all information on:
- Committee (i.e., Assembly, COM/CITEL, PCC.I, PCC.II)
- Approval date
- Type of document (RES / DEC / REC)
- Title
- Status (in force / eliminated)
- Instrument that eliminated said RES./REC./DEC.

2.   To inform the 32nd Meeting of PCC.II of the conclusion of work on Decides 1 a);

3.   To review other documents of PCC.I and PCC.II, such as manuals, guidelines, and specifically reports and questionnaires, seeking to assess their significance to make them available on the CITEL website;

4.   To inform the 33rd Meeting of PCC.II of its outcomes on Decides 1 c).

PCC.II/RES. 128 (XXXII-18)[4]

STRATEGIC PLAN OF PERMANENT CONSULTATIVE COMMITTEE II: RADIOCOMMUNICATIONS (PCC.II)

The 32nd Meeting of Permanent Consultative Committee II: Radiocommunication (PCC.II),

CONSIDERING:

a)   The Comprehensive Strategic Plan of the Organization of American States adopted by Resolution AG/RES. 1 (LI-E/16), which approved the strategic lines and objectives for each of the Organization's pillars for 2016-2020,

b)   The Strategic Plan for CITEL for 2018-2022, adopted by the VII Assembly of CITEL via Resolution CITEL/RES. 79 (VII-18), which instructs "to draw up relevant indicators to measure the progress of the strategic goals, objectives and activities set forth [...],"

c)   Resolution CITEL/RES. 85 (VII-18) on "Establishment of the Permanent Consultative Committees," which sets out the objective and mandates for PCC.II,

TAKING INTO ACCOUNT:

a)   The pillars of the Organization of American States are democracy, human rights, integrated development and multidimensional security,

RESOLVES:

1.   To adopt the Strategic Plan of PCC.II found in Annex I hereof,

2.   To revoke Resolution CITEL RES. 103 (XXIV-14) concerning the "PCC.II Work Plan for 2014-2018,"

3.   To submit this Resolution to the next Meeting of COM/CITEL.

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[4] PCC.II-2018-32-4819_i

ANNEX I

"STRATEGIC PLAN OF PERMANENT CONSULTATIVE COMMITTEE II: RADIOCOMMUNICATIONS (PCC.II)"

Resolution CITEL/RES. 85 (VII-18) on "Establishment of the Permanent Consultative Committees" states that the objective of PCC.II is to "Promote debate and regional cooperation on issues related to the planning, coordination, harmonization, and efficient use of the radio spectrum, as well as geostationary and non-geostationary satellite orbits, for radiocommunication services."

Taking into account said objective and the mandates set out for PCC.II, the following indicators are established for each of the objectives defined in the Strategic Plan of CITEL.

Resolution CITEL/RES. 79 (VI-18)
Strategic Plan for CITEL for 2018-2022
Objectives
1. To increase telecommunication/ICT access, penetration, and coverage
2. To increase the affordability of telecommunication/ICT services and devices
3. To increase digital literacy and capabilities relative to telecommunications/ICTs, as well as to build capacities to develop and keep communication networks in remote areas
4. To bridge the digital divide and reduce inequality, particularly in underserved areas and regarding gender, disabilities, older persons, or persons with specific needs
5. To increase interoperability and interconnectivity, of telecommunications/ICTs in the Americas, including international connectivity and harmonization of spectrum use
6. To increase the budget of both the regular fund and specific fund, and the contributions of non-financial resources by the OAS
7. To increase the participation and positioning of CITEL in the regional and international ICT/digital ecosystem
8. To increase the participation of Member States and Associate Members in all meetings of CITEL
9. To improve CITEL's procedures and support tools (website, search engine, data bank, access to hosted information, communication tools, etc.)

Activities of the Strategic Plan of CITEL indicated as of interest to PCC.II	Objective									Indicator
	1	2	3	4	5	6	7	8	9	
1. To produce and disseminate information and recommendations on best practices in regards to telecommunication/ICT public policies and regulatory environment	X	X	X	X	X					Number of PCC.II meeting reports
2. To promote the interoperability of telecommunication/ICT infrastructure, services, devices, and networks, and regional and international connectivity	X	X			X					Number of radiocommunications resolutions, recommendations and/or decisions adopted that promote the interoperability of

Activities of the Strategic Plan of CITEL indicated as of interest to PCC.II	Objective									Indicator
	1	2	3	4	5	6	7	8	9	
										telecommunica-tions/ICT infrastructure, services, devices, and networks
3. To foster the adoption of and compliance with the upper exposure limit of human beings to electromagnetic radiation of non-ionizing radiofrequencies in the region, based on international recommendations, as well as promoting the adoption of technical specifications for electromagnetic compatibility protecting the telecommunication/ICT services					X					Number of resolutions, decisions and/or recommendations that facilitate implementation of international standards Number of seminars, workshops and other events
4. To foster affordable, widespread access to telecommunications/ICTs, including Internet access, with fair, transparent, stable, predictable, and non-discriminatory regulatory environments	X	X	X	X						Number of reports on national spectrum management practices
5. To promote efficient and equitable orbit/spectrum use in the region on the basis of studies and technological advances in line with the priorities, regulations and requirements of the Member States	X				X					Number of reports by rapporteurs of ITU-R study groups and working groups Number of Regional Coordination Agreements
6. To foster completion of the transition to digital broadcasting				X	X					Number of reports on national practices for transitioning to digital broadcasting
7. To promote discussions and exchanges of best practices on the identification and optimization in the use of telecommunication/ICT resources			X		X					Number of seminars, workshops and other mechanisms that enable the exchange of best practices
8. To promote the drafting of recommendations and				X	X					Number of

Activities of the Strategic Plan of CITEL indicated as of interest to PCC.II	Objective									Indicator
	1	2	3	4	5	6	7	8	9	
dialog for the coordination of cross-border frequencies										recommendations, studies and guidelines on cross-border frequency coordination
9. To promote training, technical cooperation, and technology transfer through CITEL's Regional Training Centers			X				X			Number of workshops, courses and seminars
10. To intensify cooperation and coordination of activities, initiatives, projects, and programs with the International Telecommunication Union (ITU), particularly with the ITU Regional Bureau for the Americas, and with other international, regional, and subregional organizations and entities	X	X	X	X	X					Number of cooperation agreements, initiatives and programs developed in collaboration with other international or regional organizations
11. To draft and submit Regional Proposals to the Advisory Groups, Study Groups, and World Conferences/Assemblies of the International Telecommunication Union (ITU)	X	X	X	X	X					Number of Inter-American Contributions (IACs) Number of Inter-American Proposals (IAPs)
12. To develop a work program for the 2030 ICT Alliance, in order to further its objectives and monitor their achievement	X	X	X	X	X					Number of specific projects or initiatives
13. To enhance the participation of the Member States and Associate Members of all subregions in the activities of CITEL and to promote the adhesion of new Associate Members						X	X			Number of joint activities among Administrations and Associate Members
14. To promote and continue expanding synergies and strategic alliances with actors of the ICT/digital ecosystem within and outside of the region, within a multi-stakeholder environment	X	X	X							Number of cooperation agreements to implement Digital Ecosystem strategies
15. To publish information on CITEL's website about the documents and instruments (resolutions, decisions, recommendations) adopted in all areas of CITEL			X			X	X		X	List of easy-access documents (resolutions, decisions or

Activities of the Strategic Plan of CITEL indicated as of interest to PCC.II	Objective									Indicator
	1	2	3	4	5	6	7	8	9	
										recommenda-tions)
16. To coordinate with ITU the organization of workshops, seminars, and training events at CITEL meetings			X				X			Number of workshops, seminars and events

Considering the indicators listed above, the following Outputs of the PCC.II Strategic Plan were established develop towards fulfillment of this Plan.

Activities	Outcomes	Outputs
1. To produce and disseminate information and recommendations on best practices in regards to telecommunication/ICT public policies and regulatory environment	Improvement of knowledge exchange, dialog and partnerships among Member States on telecommunication/ICT issues. Timely identification, awareness and analysis of emerging telecommunications/ICT trends	Reports of the PCC.II meetings
2. To promote the interoperability of telecommunication/ICT infrastructure, services, devices, and networks, and regional and international connectivity	Greater regional harmonization in the use of frequency bands and satellite orbits for radiocommunication services	Resolutions, Recommendations and Decisions
3. To foster the adoption of and compliance with the upper exposure limit of human beings to electromagnetic radiation of non-ionizing radiofrequencies in the region, based on international recommendations, as well as promoting the adoption of technical specifications for electromagnetic compatibility protecting the telecommunication/ICT services	Adoption of technical electromagnetic compatibility specifications to protect telecommunications/ICT services Regulatory frameworks for upper limits to electromagnetic radiation of non-ionizing radiofrequencies	Resolutions, Recommendations and Decisions that facilitate implementation of international standards Seminars, workshops and other events
4. To promote affordable, widespread access to telecommunication/ICTs, including Internet access, with regulatory and legal environments that are equitable, transparent, stable, predictable, and non-discriminatory	Enhanced management and monitoring of the radio spectrum	Reports on national spectrum management practices
5. To promote efficient and	Greater participation of CITEL	Rapporteur reports of the ITU-R

equitable use of orbit/spectrum resources in the region on the basis of studies and technological advances according to the priorities and requirements of the Member States	in the ITU-R Study Groups and in regional and global ITU Radiocommunication Seminars Greater frequency coordination to prevent harmful interference	study groups and working groups Regional coordination agreements
6. To foster completion of the transition to digital broadcasting	Better use of the radio spectrum by terrestrial broadcasting	Reports on national practices for transitioning to digital broadcasting
7. To promote discussions and exchanges of best practices on the identification and optimization in the use of Telecommunication/ICT resources	Effective allocation of the radio spectrum	Seminars, workshops and other mechanisms that enable exchanging best practices
8. To promote the drafting of recommendations and dialog for the coordination of cross-border frequencies	Acquisition and dissemination of theoretical and practical knowledge on cross-border frequency coordination	Recommendations, studies and guidelines on cross-border frequency coordination
9. To promote training, technical cooperation, and technology transfer through CITEL's Regional Training Centers	Better use of the radioelectric spectrum and satellite orbits	Workshops, courses and seminars
10. To intensify cooperation and coordination of activities, initiatives, projects, and programs with the International Telecommunication Union (ITU), particularly with the ITU Regional Bureau for the Americas, and with other international, regional, and subregional organizations and entities .	Greater use of human and financial resources	Cooperation agreements, initiatives and programs developed in collaboration with other international or regional organizations
11. To draft and submit Regional Proposals to the Advisory Groups, Study Groups, and World Conferences/Assemblies of the Union	Greater presence and positioning of CITEL in the work of the International Telecommunications Union	Inter-American Contributions (IACs) Inter-American Proposals (IAPs)
12. To develop a work program for the "2030 ICT Alliance", in order to further its objectives and monitor their achievement	Greater recognition of telecommunications/ICT as a global facilitator of the WSIS lines of action and of the 2030 Agenda for Sustainable Development	Projects or specific initiatives
13. To enhance the participation	Enhanced cooperation for the	Joint activities among

of the Member States and Associate Members of all subregions in the activities of CITEL and to promote the adhesion of new Associate Members	Member States of CITEL, especially for developing countries	Administrations and Associate Members
14. To promote and continue expanding synergies and strategic alliances with actors of the ICT/digital ecosystem within and outside of the region, within a multi-stakeholder environment	Increased collaboration among relevant stakeholders 14b. Greater synergies among associations	Cooperation agreements to implement Digital Ecosystem strategies
15. To publish information on CITEL's website about the documents and instruments (resolutions, decisions, recommendations) adopted in all areas of CITEL	Promotion of the quality, availability and profitability of information generated by CITEL Better experience using CITEL's web services	Easily identifiable publications, Resolutions, Decisions, Recommendations and Reports
16. To coordinate with ITU the organization of workshops, seminars, and training events at CITEL meetings	Greater coordination and cooperation with the ITU, especially with the Regional Bureau	Workshops, seminars and other events

PCC.II/RES. 129 (XXXII-18)[5]

PRESENTATION OF INTER-AMERICAN CONTRIBUTIONS (IAC) FROM CITEL TO THE ASSEMBLY, ADVISORY GROUP AND THE STUDY GROUPS OF THE RADIOCOMMUNICATION SECTOR (ITU-R) OF THE INTERNATIONAL TELECOMMUNICATION UNION (ITU)

The 32 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II)

CONSIDERING:

a)   That the Strategic Plan of CITEL for 2018-2022 established a major linkage between the PCC.II's work and the activities of the ITU-R Advisory Group and Study Groups and added as one of its strategic goals: "To boost regional coordination in order to participate in other organizations and/or entities, especially the International Telecommunication Union (ITU)";

b)   That Resolution CITEL/RES.85 (VII-18) on the Establishment of the Permanent Consultative Committees points out that, as part of the mandates of PCC.II, there is: "Encourage regional participation in the ITU-R Advisory Group and Study Groups, including the presentation of Inter-American Contributions (IACs) elaborated in accordance with the specific procedures developed by PCC.II";

c)   That Resolution CITEL/RES.89 (VII-18) "Development of Inter-American Contributions to the Study Groups, Study Questions and Advisory Groups of the International Telecommunication Union" resolved to invite the PCCs to develop their own procedures for Inter-American Contributions to ITU-D, ITU-T, and ITU-R Advisory Groups and Study Groups.

RESOLVES:

1.   To adopt the procedure described in the Annex for the preparation, adoption, presentation, and modification of Inter-American Contributions (IAC) to the Assembly, Advisory Group and Study Groups of the Radiocommunication Sector (ITU-R) of the International Telecommunication Union (ITU).

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[5] PCC.II-2018-32-4814r2_i

ANNEX

PRESENTATION OF INTER-AMERICAN CONTRIBUTIONS (IAC) FROM CITEL TO THE ASSEMBLY, ADVISORY GROUP AND THE STUDY GROUPS OF THE RADIOCOMMUNICATION SECTOR (ITU-R) OF THE INTERNATIONAL TELECOMMUNICATION UNION (ITU)

1.   Objectives

• To establish the procedure to be followed by any document introduced, and where appropriate, approved by the Permanent Consultative Committee II: Radiocommunications (PCC.II) to be presented to the STUDY GROUPs of the Radiocommunication Sector (ITU-R), the Radiocommunication Advisory Group (RAG) and the Radiocommunication Assembly (RA) of the International Telecommunication Union (ITU) as INTER-AMERICAN CONTRIBUTION (IAC).

• This procedure shall also be applicable to the subordinate groups of STUDY GROUPS.

• The Working Groups of PCC.II shall identify the radiocommunication issues that are being studied by the ITU-R STUDY GROUPS and that may be important to PCC.II.

• When using this procedure, the utmost efforts must be made to reach a consensus among the administrations of CITEL.

2.   Definitions

For the purposes of this procedure, the following definitions are established:

a.   WORKING GROUP: A working group of PCC.II to which a DRAFT CONTRIBUTION is presented for its consideration.

b.   STUDY GROUPS: Study Groups of the Radiocommunication Sector (ITU-R) of the International Telecommunication Union (ITU), including the Conference Preparatory Meeting (CPM) and the Coordination Committee for Vocabulary (CCV)[6].

c.   DRAFT CONTRIBUTION: It is a contribution that could be generated by an Administration, Associate Member or Working Group of the PCC.II and is presented for consideration for the purpose of converting it into an INTER-AMERICAN CONTRIBUTION.

d.   INTER-AMERICAN CONTRIBUTION (IAC): DRAFT CONTRIBUTION that has received the consensus required in this procedure, to be presented to a STUDY GROUP or its subordinate groups, to the RAG or the RA of ITU.

3.   Approval of an IAC

a.   The DRAFT CONTRIBUTIONS shall be discussed preferably at the meetings of PCC.II and shall be approved by consensus by the PCC.II plenary. By consensus, it is meant that no member state present at the PCC.II meeting raises opposition to the IAC. If consensus cannot be reached

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[6] This procedure could be also applied for the ITU-T and ITU-D when these sectors deal with topics within the PCC.II mandate.

by the meeting, then the chairman of the PCC.II shall return the draft IAC to the appropriate Working Group of PCC.II for further consideration.

b. When it is not possible to hold an onsite meeting of PCC.II, a DRAFT CONTRIBUTION can be discussed online whether through Correspondence Groups or virtual meetings of a working group. The convenor of the online meeting shall submit a summary report and any DRAFT CONTRIBUTION to the next PCC.II meeting for consideration.

c. Once the IAC has been approved, the CITEL Secretariat shall forward the approved IAC to the ITU-R, bearing in mind the deadlines for submission to the ITU Secretariat, as specified in the Resolution ITU-R 1 and Resolution 165 (Rev. Dubai, 2018), as appropriate.

d. The respective Working Group shall propose to PCC.II the person who is to be the IAC's "spokesperson" at the respective meeting of the ITU-R.

4. Presentation of an IAC at the ITU-R STUDY GROUPs, RAG, RA

a. The "spokesperson" shall present the IAC at the respective ITU-R meeting and shall inform, electronically, the members of PCC.II about the IAC's status and any relevant ITU-R outputs relevant to the IAC at the end of the respective ITU-R meeting.

b. Afterwards, in the course of the ITU-R meeting, if an IAC requires revision, the IAC's "spokesperson" shall consult the members States of CITEL attending the meeting about the eventual revisions.

c. On the basis of the discussion, the CITEL members States attending the respective ITU-R meeting shall decide by consensus the course of action.

5. Post STUDY GROUP work

a. The spokesperson should also provide a brief written evaluation report to the relevant PCC.II Working Group(s) that include elements to know the progress of said IAC and determine the efficiency of the procedure described above.

V. RECOMMENDATIONS

PCC.II/REC. 61 (XXXII-18) [7]

PUBLIC PROTECTION AND DISASTER RELIEF (PPDR) IN
THE FREQUENCY BAND 380-399.90 MHZ

The 32 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II),

CONSIDERING:

a)   That Public Protection and Disaster Relief (PPDR) systems have a fundamental role to play to respond with efficacy and efficiency to public, national and international objectives for PPDR;

b)   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;

c)   That Resolution 646 (Rev.WRC-15) encourages administrations to consider the identified frequency bands/ranges or parts thereof in *resolves* 2 and 3 when undertaking their national planning for the purposes of achieving harmonized frequency bands/ranges for advanced PPDR systems and applications,

RECOGNIZING:

a)   The benefits of spectrum harmonization, among them, economies of scale, facilitating cross-border coordination among stations and facilitating inter-operability and inter-functioning among the systems utilized for public protection and disaster relief, both in-country and in cross-border emergency and relief operations;

b)   That some CITEL administrations are currently implementing broadband PPDR applications based on IMT systems according to Recommendation PCC.II/REC.49 Rev.1 (XXVIII-16) "Public Protection and Disaster Relief (PPDR) based on International Mobile Telecommunications (IMT);

c)   That some CITEL administrations are currently using parts of the band 806-824/851-869 MHz for PPDR according to Recommendation PCC.III/REC.28 (VI-96) "800-900 MHz trunking";

d)   That *resolves 5* of Resolution 646 (Rev. WRC-15), the use of the frequency ranges for PPDR in *resolves* 2 and 3, as well as countries' frequency arrangements for PPDR, must not cause unacceptable interference, nor constrain the use of these frequency ranges by application of the services to which these ranges are allocated in the Radio Regulations;

e)   That Recommendation ITU-R M.2015 "Frequency arrangements for public protection and disaster relief radiocommunication systems in accordance with Resolution 646 (Rev.WRC-15)" provides details

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[7] PCC.II-2018-32-4802r2_i

on frequency arrangements for PPDR that includes the frequency band 380-399.90 MHz only with FDD duplex;

f)   That some CITEL administrations may be using other country-specific frequency arrangements for the provision of PPDR;

g)   That some CITEL administrations have deployed broadband PPDR systems in the frequency band 380-399.90 MHz with TDD duplex;

h)   The Recommendation PCC.II/REC. 46 (XXV-15) "Guidelines to establish agreements for spectrum use in coordination areas";

i)   The Recommendation PCC.II/REC. 44 (XXIII-14) "Guidelines for the harmonization of measurement procedures for the technical verification of spectrum use for coordination in border areas";

j)   That the frequency band 380-399.90 MHz is not identified for IMT;

k)   That it is the prerogative of each administration to define the most appropriate use of frequency bands,

TAKING NOTE:

Of Report ITU-R M.2377 "Radiocommunication objectives and requirements for Public Protection and Disaster Relief (PPDR)",

RECOMMENDS:

1. That CITEL administrations that wish to deploy narrowband networks for public protection and disaster relief (PPDR services in the frequency range 380-399.90 MHz consider the following frequency arrangement:

Mobile transmission frequency (MHz)	Base transmission frequency (MHz)	Duplex type	Duplex separation (MHz)	Channel bandwidth (kHz)
380 – 389.90	390 – 399.90	FDD	10	12.5 / 25

2. That CITEL administrations considering the frequency arrangement in *recommends 1)* develop strategies to coordinate with neighboring countries to ensure compatibility between PPDR applications and stations of other services.

VI.   DESICIONS

PCC.II/DEC. 206 (XXXII-18)[8]

AUTHORITIES OF THE AD HOC GROUP TO COORDINATE STRATEGIC INITIATIVES OF THE OAS RELATED TO RADIOCOMMUNICATIONS

The 32 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II),

DECIDES:

1.   To take note of the change in authorities of the Ad Hoc Group to Coordinate Strategic Initiatives of the OAS Related to Radiocommunications established by Decision PCC.II/DEC. 192 (XXIX -17).

2.   That the Chair of the Ad Hoc Group shall be held by Mexico; that VIASAT shall be the advisor to Chair; and that Jamaica and Colombia shall be the Vice-Chair.

3.   To thank Colombia for its leadership and the results provided since the establishment of the Ad Hoc Group at the 29 Meeting of PCC.II until the change in authorities at the 32 Meeting of PCC.II.

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[8] PCC.II-2018-32-4804r1_i

PCC.II/DEC. 207 (XXXII-18)[9]

WIRELESS BROADBAND ACCESS MODELS FOR CONNECTING THE UNCONNECTED

The 32 Meeting of the Permanent Consultative Committee II: Radio communications (PCC.II);

WHEREAS:

a.   In Latin America, according to the IADB, 522 indigenous peoples exist, a vast amount of Afro-descendants communities that represent 33% of the population in Latin America;

b.   The project "Interconnectivity in the Caribbean: connecting to the unconnected", as part of the strategic initiatives of the OAS related to Radio communications, which promotes the elaboration of a guiding document for the deployment of community networks in the different countries in the region;

c.   The deployment of community networks allows the provision of telecommunication and broadcasting services for unconnected locations and remote sites;

d.   The importance of sharing experiences in the region relating to strategic initiatives.

DECIDES TO:

1)   Commission the Secretariat of CITEL to transmit the information related to this decision to the PCC.I;

2)   Commission the Secretariat of CITEL to help identify the way of transmitting the contributions related to the strategic initiatives of the OAS, to the related Working Parties and Study Groups of the ITU;

3)   Invite the CITEL administrations to continue contributing with projects related to the strategic initiatives.

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[9] PCC.II-2018-32-4807c1_i

VII.   LIST OF BASIC DOCUMENTS

1. Summary Minutes of the Inaugural Session and First Plenary Session	PCC.II-RADIO/doc. 4820/18 rev.1
2. Summary Minutes of the Second Plenary and Closing Session	PCC.II-RADIO/doc. 4821/18 (*Pending document*)
3. Report of the Working Group Relative to CITEL's Preparation for World Radiocommunication Conferences	PCC.II-RADIO/doc. 4808/18
4. Report of the Working Group on Terrestrial Services	PCC.II-RADIO/doc. 4809/18 rev.1
5. Report of the Working Group on Satellite Systems and Science Services	PCC.II-RADIO/doc. 4810/18
6. Report of the Working Group on Radio Broadcasting	PCC.II-RADIO/doc. 4811/18
7. Report of the Working Group to Coordinate Strategic Initiatives of the OAS related to Radiocommunications	PCC.II-RADIO/doc. 4812/18
8. Report of the Ad Hoc Group on "Resolutions, Decisions and Recommendations of PCC.II"	PCC.II-RADIO/doc. 4813/18
9. Report of the Seminar "TERRESTRIAL IMT-2020 SYSTEMS"	PCC.II-RADIO/doc. 4731/18 add.11 (*Pending document*)
10. List of Documents	PCC.II-RADIO/doc. 4681/18 rev.2
11. List of Participants	PCC.II-RADIO/doc. 4682/18 rev.2
12. Final Report for the Meeting	PCC.II-RADIO/doc. 4824/18