



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

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

**38 MEETING OF PERMANENT
CONSULTATIVE COMMITTEE II:
RADIOCOMMUNICATIONS**
November 8 to 12, 2021
Virtual, Mexico

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FINAL REPORT

(Item on the Agenda: 7)

(Document submitted by CITEI Secretariat)

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FINAL REPORT

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

The 38 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II) was held virtually, from November 8 to 12, 2021.

I. MEETING OFFICERS

Chair of PCC.II	Mr. Arturo Robles Rovalo (Mexico)
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. Carlos Eduardo Valle (El Salvador)
CITEL Executive Secretary:	Mr. Oscar León

Drafting Group:

Chairperson:	Diana Gómez (Mexico)
Members:	Jonathan V. Siverling (United States) Marc Girouard (Canada) Ingrid García (Guatemala) Kenji Kuramochi (Paraguay)

II. REPORT OF THE PCC.II CHAIR

At the beginning of the 38 meeting of the Permanent Consultative Committee II: Radiocommunications (PCC.II), the Chair of the Committee conducted deliberations based on the Agenda items listed in document CCPII-2021-38-5350. Furthermore, the PCC.II Working Groups met according to the schedule issued as document CCPII-2021-38-5351r1. 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 carried out the work throughout the week distributed among the sub-working groups, in addition its Ad Hoc Group met four times. During those meetings more than 50 documents were considered. The group's agenda was issued as document CCPII-2021-38-5451tr2.

The Report by the Chair with all the details was issued as document CCPII-2021-38-5461.

2. Working Group on Terrestrial Services

This Group met three times. During those meetings 20 documents were considered. The group's agenda was issued as document CCPII-2021-38-5452tr1.

The Report by the Chair with all the details was issued as document CCPII-2021-38-5462.

3. Working Group on Spectrum Management

This Group met two times. During the meetings 9 documents were considered, 1 of them from the 37 meeting and 8 from the current meeting. The group's agenda was issued as document CCPII-2021-38-5447r1.

The Report by the Chair with all the details was issued as document CCPII-2021-38-5463.

4. Working Group on Satellite Systems and Science Services

The Working Group met on two occasions and 8 documents were considered, of which 6 documents related to proposals for Recommendations, Resolutions or Decisions and 2 informative documents related to workshop proposals. The group's agenda was issued as document CCPII-2021-38-5445tr2.

The Report by the Chair with all the details was issued as document CCPII-2021-38-5464r1.

5. Working Group on Radio Broadcasting

This Group met two times. During the meetings 3 documents were considered. The Report by the Chair with all the details was issued as document CCPII-2021-38-5465.

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

The Working Group did not meet on this occasion.

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

This Group met once. During that meeting 5 documents were considered. The group's agenda was issued as document CCPII-2021-38-5453tr1.

The Report by the Chair with all the details was issued as document CCPII-2021-38-5459.

8. Issues to be highlighted

The **39 Meeting of the PCC.II** will be held in Mexico from April 25 to 29, 2022. Likewise, it is planned to be held the **40 Meeting of PCC.II** in Trinidad and Tobago from October 31 to November 4, 2022.

III. AGENDA¹

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.
 - 3.2 Working Group on Terrestrial Fixed and Mobile Radiocommunication Services.
 - 3.3 Working group on Spectrum Management
 - 3.4 Working Group on Satellite Systems and Science Services.
 - 3.5 Working Group on Broadcasting.
 - 3.6 Working Group to Coordinate Projects Associated with Strategic Initiatives of the OAS related to Radiocommunications
 - 3.7 *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.

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-23) and the World Radiocommunication Conference (WRC-23).
 - 3.1 Update of WRC-23 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. Sub-Working Group of Spectrum management.
 6. Work Plan.
 7. Other business.

¹ PCC.II-2021-37-5257

3.3 Working Group on Spectrum Management

1. Presentation and approval of the Agenda.
2. Follow-up on the activities and studies carried out within the ITU by Study Group 1 and Study Group 3 of the ITU-R.
3. Exchange of relevant information and best practices among CITELE Members on aspects regarding spectrum management and affordable and widespread access to ICTs.
4. Presentation of contributions.
5. Work Plan.
6. Other business.

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 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.

3.6 Working 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.

3.7 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. 139 (XXXVIII-21)² AGENDAS, VENUES AND DATES OF THE 39 AND 40 MEETINGS OF PCC.II

The 38th. Meeting of the Permanent Consultative Committee II: Radiocommunications (PCC.II),

CONSIDERING:

- a) The challenging situation that the world is facing due to the COVID-19 virus pandemic;
- b) How uncertain the development and control of the COVID-19 virus may be in the upcoming months;
- c) The different actions that Member States and Associate Members have taken to stop the spread of the virus;
- d) That the 35, 36, 37 and 38 meetings of PCC.II were held in an exceptional manner in a virtual venue to deal with the most urgent topics.

RESOLVES:

1. To hold the 39th. Meeting of PCC.II in Mexico from April 25 to 29, 2022;
2. To hold the 40th. Meeting of PCC.II in Trinidad and Tobago from October 31 to November 4, 2022;
3. To approve the draft agenda for the 39 and 40 Meetings of PCC.II, attached in the annex of this resolution.

² CCPII-2021-38-5360

ANNEX TO RESOLUTION PCC.II/RES. 139 (XXXVIII-21)

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 CITELE'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.
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-23) and the World Radiocommunication Conference (WRC-23).
 - 3.1 Update of WRC-23 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

1. Presentation and approval of the Agenda.
2. Follow-up on the activities and studies carried out within the ITU by Study Group 1 and Study Group 3 of the ITU-R.
3. Exchange of relevant information and best practices among CITEL Members on aspects regarding spectrum management and affordable and widespread access to ICTs.
4. Work Plan.
5. Other business.

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.

V. DECISIONS

PCC.II/DEC. 221 (XXXVIII-21)³

QUESTIONNAIRE TO COLLECT INFORMATION ON FREQUENCY BANDS USED BY UTILITIES

The 38th Meeting of Permanent Consultative Committee II: Radiocommunication (PCC.II),

DECIDES:

1. To approve the attached Questionnaire aimed to collect information on frequency bands used by utilities in the Americas;
2. To request that the CITEL Secretariat forward the Questionnaire to the PCC.II members; .
3. To invite CITEL Administrations to send their answers to the questionnaire, by March 15, 2022, to the Rapporteur (Mr. Brett Kilbourne – brett.kilbourne@utc.org) , with a copy to the CITEL Secretariat (citel@oas.org).

³ CCPII-2021-38-5389r2

ANNEX TO DECISION CCP.II/DEC. 221

QUESTIONNAIRE ON FREQUENCIES USED BY UTILITIES IN THE AMERICAS

CITEL Administrations are kindly invited to provide answers to the following questions:

- Could you please identify the spectrum bands that are currently being used for licensed Utility Communications Systems (UCS)?
- Please indicate under which radiocommunications service or application (MS, FS, FSS, 5G/IMT, etc.) UCS operates in each band.
- Please submit any relevant information documents that describe the current and future technologies that are being used by licensed Utility Communications Systems (UCS).
- Please submit any relevant information documents (or citations to the information documents) regarding spectrum bands currently used for or plans to use for licensed Utility Communications Systems (UCS).

**DRAFT DECISION ON AMENDMENTS TO THE MANDATES OF THE PERMANENT
CONSULTATIVE COMMITTEE II: RADIOCOMMUNICATIONS (PCC.II) FOR THE PERIOD
2022 – 2026**

The 38th Meeting of Permanent Consultative Committee II: Radiocommunication (PCC.II)

DECIDES:

1. To request COM/CITEL to forward the proposed amendments to the mandates of Permanent Consultative Committee II: Radiocommunications (PCC.II), as established in Annex II to Resolution CITEL / RES. 85 (VII-18), to the VIII Regular Meeting of the Assembly of CITEL for its consideration.

⁴ CCPH-2021-38-5398r2

ANNEX I TO DECISION PCC.II/DEC.222(XXXVIII-21)

PROPOSED AMENDMENTS TO ANNEX II TO RESOLUTION CITEL/RES. 85 (VII-18)

Permanent Consultative Committee II: Radiocommunications (PCC.II)

Objective: 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. Organize regional participation towards the development of common regional proposals to ITU World and Regional Radiocommunication Conferences as well as other conferences related to radiocommunications

Mandates:

1. Promote among the Member States harmonization of the use of the radiofrequency spectrum, taking into account especially the need to prevent and avoid harmful interference, as well as protection against the electromagnetic environment.
2. Discuss and share innovative practices in efficient spectrum management. 3
3. Promote and foster the development of radiocommunication services.
4. Promote research and development of new technologies that enables the implementation of radiocommunication networks and services with a more efficient use of spectrum.
5. Promote innovative regimes in the licensing of radiocommunication services and incentives for the development of new business models.
6. Provide information to the members on the outputs and outcomes of the World Radiocommunication Conference (WRC) and other world and regional conferences/assemblies related to radiocommunication issues.
7. Coordinate regional preparations for Conference Preparatory Meetings, ITU Regional Radiocommunication Conferences and Radio Assemblies (RA), including the preparation and submission of Inter-American Proposals (IAPs) to WRCs, elaborated in accordance with the specific procedures of PCC.II.
8. Promote the interaction and coordination with the other regional organizations on ITU-R work.
9. Encourage regional participation in the meetings of ITU-R Radiocommunication Advisory Group and Study Groups, including the coordination and presentation of Inter-American Contributions (IACs) prepared and submitted in accordance with the specific procedures developed by PCC.II; ;
- 9bis. Promote outreach with other Regional Organizations in order to coordinate and harmonize views on WRC agenda items;
10. Work in coordination with the different committees and working groups of CITEL in those areas which, by their nature, lend themselves to joint action.

11. Promote the efficient use of the radiofrequency spectrum and of satellite orbit resources in the region.
12. Encourage active participation by the private sector, including SMEs and non-profit organizations, and of the academic sector as associate members, as well as foster dialogue between them and the CITELE Administrations.
13. Create monitoring mechanisms for the implementation of decisions, resolutions and recommendations adopted by PCC.II.