

2024

Report on 44th PCC.II – CITELE Meeting

- Merida, Mexico



**44th Meeting of Permanent Consultative Committee (PCC.)II
Merida, Mexico**

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Introduction

During the period 2024 September 23 - 27, the Inter-American Telecommunications Commission's (CITEL's) Permanent Consultative Committee II (PCC.II) held its 44th meeting in Merida, Mexico in preparation for World Radiocommunications Conference 2027 (WRC-27). The 44th meeting represents Citel's second PCC II meeting in relation to the 4 year cycle leading up to WRC-27. Approximately 332 persons participated in the 5 day event, with 130 virtual participants and 202.

Of import is that the Caribbean Telecommunication Union (CTU)'s Dr. Maria Myers-Hamilton in her capacity as Vice Chair of the Working Group Relative to CITEL's Preparation for WRC, has been appointed as lead person to oversee the work of Sub-working Group One (SGT-1 Fixed and broadcast satellite services), and the alternate for SGT-4 (Science Services). With this appointment, Dr. Myers-Hamilton's responsibilities include providing assistance to and or to facilitate, *inter alia*, the following:

- a) Discussions and the exchange of information among the different members (Administrations and Associate Members) of CITEL particularly in relation to the work under SGT-1 and SGT-4.
- b) The coordination of relations and the exchange of information with other Regions on issues under SGT-1 and SGT-4 as necessary.
- c) The coordination of CITEL's work in relation to SGT-1 and SGT-4 during World Radiocommunication Conferences.
- d) Updating of CITEL Members on the outcomes of agenda items under the stated working groups at the World Radiocommunication Conferences, and on the adoption of the Inter-American Proposals presented at these conferences.

Focus at the CITEL Meeting

During the weeklong sessions of the 44th PCC.II Committee meetings, the focus was on the following agenda items through the related Working Group (WG):

- 3.1 Working Group Relative to CITEL's Preparation for WRC
- 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

Key Highlights

Provided below are key highlights emanating from the discussions at the meetings.

3.1 Working Group Relative to CITEL's Preparation for WRC

The work of the meetings during the week resulted in the WRC WG holding sessions on six occasions, with the review of 55 input contributions. The following documents were submitted to the Working Group's plenary session, as they are not member state proposals specific to WRC agenda items.

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ISSUE	DOC. #	TITLE	PROPOSER
Resolution 144	6077	MODIFICATIONS PROPOSED TO PARTS OF THE IAPS PREPARATIONS PROCEDURE	Guatemala
WG-WRC Info Doc	6083	INFORMATION PAPER ON RECENT U.S. ACTIVITIES ON SUPPLEMENTAL COVERAGE FROM SPACE	United States of America
WG-WRC Questionnaire for AI 1.2	6086	PROPOSED DECISION TO COLLECT INFORMATION ON CURRENT USE OF THE 13.75-14.00 GHZ BAND	Mexico
Resolution 144	6106	DRAFT RES. PCC.II/RES. XXX (XLIV-24) PROCEDURES FOR THE PREPARATION, ADOPTION AND MODIFICATION OF INTERAMERICAN PROPOSALS FOR SUBMISSION TO THE WORLD RADIOCOMMUNICATION CONFERENCES AND FOR THE SELECTION OF CITEL RAPORTEURS AND SPOKESPERSONS	Brazil
WG-WRC Structure	6107r1	REV. 1 DRAFT RES. PCC.II/RES. XXX (XLIV-24) STRUCTURE OF THE WORKING GROUP THAT IS IN CHARGE OF PREPARING CITEL FOR ITS PARTICIPATION IN REGIONAL AND/OR WORLD RADIOCOMMUNICATIONS CONFERENCES, CONFERENCE PREPARATORY MEETING AND RADIOCOMMUNICATION ASSEMBLY	Rapporteur
D2D	6126	CONSIDERATIONS FOR DIRECT-TO-DEVICE SATELLITE TECHNOLOGY	Mobile Satellite Service Association
Resolution 144	6130r2	REV. 2 DRAFT RES. PCC.II/RES. XXX (XLIV-24) PROCEDURES FOR THE PREPARATION, ADOPTION AND MODIFICATION OF INTERAMERICAN PROPOSALS FOR SUBMISSION TO THE WORLD RADIOCOMMUNICATION CONFERENCES AND FOR THE SELECTION OF CITEL RAPORTEURS AND SPOKESPERSONS	Rapporteur
WG-WRC	6132, 6132p1	UPDATES ON ITU PREPARATIONS FOR CPM27-2, RA-27 AND WRC-27	ITU-BR
WG-WRC	6144r1	GSOA PRELIMINARY POSITION FOR WRC-27 AGENDA ITEMS	GSOA
WRC Regional Group Update	6158, 6158p1	CPG27 STRUCTURAL ARRANGEMENTS AND CHAIR POSITIONS, FOR THE WRC-27 CYCLE	CEPT
WG-WRC Info Doc: 6G	6164	THE NEED AND RESULTING BENEFITS OF IDENTIFYING NEW BANDS FOR 6G	Nokia Solutions and Networks, Ericsson, Qualcomm Inc.

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ISSUE	DOC. #	TITLE	PROPOSER
WRC Regional Group Update	6165, 6165r1	Introduction to Asia-Pacific Telecommunity Activities and Preparation for WRC-27	APT
ASMG presentation for the 44 Meeting of the PCC.II	6167	ASMG presentation for the 44 Meeting of the PCC.II	ASMG

The remaining contributions submitted by member states and specific to WRC agenda items were submitted through the corresponding Sub-Working Groups on WRC-27 Agenda Items, in accordance with their respective agendas, as shown below, with the exception of SGT-5 (SGT-5 deals with general regulatory, future works and others), which did not convene at these meeting sessions:

- SGT-1 (Fixed and broadcast satellite services): CCPII-2024-44-6171/24 rev. 2,
- SGT-2 (Fixed, mobile, broadcast and radiolocation): CCPII-2024-44-6170/24 rev. 1
- SGT-3 (Mobile Satellite Service) : CCPII-2024-44-6172/24 rev. 2
- SGT-4 (Science services): CCPII-2024-44-6173/24

Relevant Discussions

Proposed Resolution for the Structure of the WG-WRC

One proposed resolution was submitted to continue discussions for a draft resolution to set up the structure of the WG-WRC. Several administrations expressed interest in discussing this further, so a drafting group was established to take all observations into consideration, led by Raphael Garcia de Souza (Brazil). A consolidated draft resolution was submitted and approved at the WG-WRC level.

Proposal for the Modification of Resolution 144

There were three contributions submitted for the modification of Resolution 144. Several administrations expressed interest in discussing this further, so a drafting group was established to take all observations into consideration, led by Eric Lee (USA). A consolidated update to Resolution 144 was submitted and approved at the WG-WRC level.

Sub-Working Groups (SGTs)

During the week the work concluded by the WG-WRC through the sub-working groups 1, 2, 3, and 4 were the review of preliminary views. The Chairs provided the following summaries of their activities:

- SGT-1: Luciana Ferreira (Brazil) reported that the group met twice, considered 14 input documents, and developed five output documents: PVs on Agenda Items 1.1, 1.2, 1.3, 1.4, and 1.5.
- SGT-2: Geraldo Neto (Brazil) reported that the group met twice, considered 9 input documents, and developed four output documents: PVs on Agenda Items 1.7, 1.8, 1.9, and 1.10.

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- SGT-3: Mike Razi (Canada) reported that the group met twice, considered 14 input documents, and developed four output documents: PVs on Agenda Items 1.11, 1.12, 1.13, and 1.14.
- SGT-4: Edwin Montes de Oca (Mexico) reported that the group met twice, considered 10 input documents, and developed 5 output documents: PVs on Agenda Items 1.15, 1.16, 1.17, 1.18, and 1.19.
- SGT-5: Amy Sanders (USA) reported that the group did not meet or have any input documents to consider. She recommended that the group review Slide 6 of ITU-BR’s presentation in Document 6132p1, which shows items to be incorporated by reference that will be addressed under Agenda Item 2, in particular Recommendation P.525.

Issues Being Developed

At its next meetings, the Working Group will focus on developing preliminary views, preliminary proposals, draft inter-American proposals, and inter-American proposals on WRC-27 agenda items.

Documents Submitted to the Plenary Session of PCC.II

In line with the work conducted by the Working Group, the following documents were submitted to the final plenary session of PCC.II for approval:

INSTRUMENT / DOC. NUMBER	TITLE	KEY WORDS	IMPACTS
CCP.II-RADIO/ doc. 6107/24 rev.1	DRAFT RES. PCC.II/RES. XXX (XLIV-24) STRUCTURE OF THE WORKING GROUP THAT IS IN CHARGE OF PREPARING CITEL FOR ITS PARTICIPATION IN REGIONAL AND/OR WORLD RADIOCOMMUNICATIONS CONFERENCES, CONFERENCE PREPARATORY MEETING AND RADIOCOMMUNICATION ASSEMBLY	Resolution / WG-WRC Structure	The document presents a resolution for the structure of the Working Group relative to CITEL’s Preparation for World Radiocommunication Conferences.
CCP.II-RADIO/ doc. 6130/24 rev.2	DRAFT RES. PCC.II/RES. XXX (XLIV-24) PROCEDURES FOR THE PREPARATION, ADOPTION AND MODIFICATION OF INTERAMERICAN PROPOSALS FOR SUBMISSION TO THE WORLD RADIOCOMMUNICATION CONFERENCES AND FOR	Resolution / IAP Procedure	The resolution approves the procedure described in the Annex for the preparation, adoption, submittal, and modification of inter- American contributions (IAC) to the Assembly, the Advisory Group, the ITU-R Study Groups, and the ITU Conference

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INSTRUMENT / DOC. NUMBER	TITLE	KEY WORDS	IMPACTS
	THE SELECTION OF CITEL RAPPORTEURS AND SPOKESPERSONS		Preparatory Meeting (CPM).

3.2 Working Group on Terrestrial Services

The Terrestrial Working Group held 2 meetings during the week, where 10 contributions were reviewed regarding Decision 235 (Assessment of the current and planned use of the band 6 425 -7 125 MHz by applications of the mobile service), Wireless Access Systems and Radio Local Area Network (WAS/RLAN), IMT Bands and General Issues. The discussions were primarily surrounding the following.

Decision 235 (Assessment of the current and planned use of the band 6 425 -7 125 MHz by applications of the mobile service)

Five (5) contribution documents were presented on this topic. One submission included technical considerations for cross-border spectrum sharing and compatibility, which some administrations noted they would like to discuss further. After all the contributions were presented, the Rapporteur (José Luis Hernández Lara, Mexico) thanked everyone for their submissions and stated he would work to compile all of the information received.

WAS/RLAN

Two contribution documents were presented on WAS/RLAN, and several administrations expressed interest in discussing it further, including clarifying whether this would be a guidance document or provide examples. Additionally, Administrations wanted to know, whether automatic frequency coordination would be required or if more general information could be provided, and whether cross-border issues should be included. Brazil noted they have conducted initial analysis and plan to conduct field tests later this year. Tania Villa (Mexico) and Luis Bell (USA) agreed to co-lead a drafting group and were successful in harmonizing everyone’s input into one final output document that was approved by the Terrestrial Group to go to Plenary during the second session of the Group. In addition, during the second session, GSMA noted they recently published a report titled “**The Importance of 6 GHz to Mobile Evolution**”, available on their website.

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IMT Bands

Subsequent to the presentation of documents 6124 from GSA (Global System Association or GSMA Global System for Mobile (Technology) Association) and 6164 from NOKIA, ERICSSON & QUALCOMM, the Rapporteur (Jose Ayala, Ericsson) provided an update for the next steps. He indicated that he had not received any new contributions, so the only updates to make would be Recommendation 67 (**Frequency Arrangements for Implementation of the Terrestrial Component of IMT**) from the 43rd PCC.II Meeting and from the 2024 update of the Radio Regulations that were just released.

3.3 Working Group on Spectrum Management

The Spectrum Management Working Group met on one occasion during the 44th Meeting of PCC.II. Six (6) informative contributions and five (5) contribution related to questionnaires for CITEL administrations, as illustrated in the table below, were considered.

During the session held on Wednesday 2024 September 25, the following documents were presented:

DOCUMENTO/ DOCUMENT	TITULO / TITLE
6147	IARP - Statistics and geographical development of the international amateur radio permit
6131	ITU-R Study Group 1 on-going activities on Spectrum Management
6133	ITU-R Study Group 3 on-going activities on Radio wave Propagation
6076	Response to the questionnaire associated with Decision CCP.II/DEC. 236 (XLIII-24) and referring to initiatives undertaken in the Americas so that indigenous peoples have access to the radio spectrum
6084	Response to CITEL PCC II questionnaire on spectrum.
6128	Responses to PCC.II/DEC. 236 (XLIII-24) questionnaire: spectrum initiatives in the Americas to enable indigenous peoples to access spectrum
6166	Draft Decision PCC.II DEC. XX (XLIV-24) To extend the deadline for responding to the questionnaire on spectrum initiatives in the Americas to enable indigenous peoples to access spectrum
6152	Responses to decision PCC.II/DEC. 223 (XXXIX-22) – Questionnaire on the National Frequency Band Allocation Tables
6135	Mechanisms and activities related to the radio spectrum identified as free use or use without a license in certain COMTELCA countries
6154	Country case: Spectrum viewer Digital Transformation in spectrum management
6169	Digital Transformation in spectrum management and monitoring with a next-generation network enhanced by Artificial Intelligence (AI)

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The Chairman also encouraged administrations to present contributions that improve the next topics to be discussed as outlined below:

- a. Nationals Tables of Frequency Allocations
- b. Non-ionizing radiation, regulation in the region
- c. Economic strategies and valuation

3.4 Working Group on Satellite Systems and Science Services

The Working Group on Satellite Systems and Scientific Services met on one (1) occasion and reviewed eight contributions.

CONTRIBUTIONS

TOPIC	DOC. NUMBER	TITLE	PROPOSER
Elimination of Recommendation 52	6136	Elimination of the existing recommendation about “Generic licensing guidelines for ubiquitously deployed Fixed Satellite Service earth stations”.	Chair of the Working Group and Scientific Services of CCPII
D2D	6083	Information document about the recent activities of the US regarding supplementary coverage from space.	United States
D2D	6146	The future of satellite connectivity: Various approaches from the Direct-to-device Service	GSOA
D2D	6127	Submission from the Mobile Satellite Services Association	Mobile Satellite Services Association
D2D.	6126	Considerations about Direct-to-device Satellite Services.	Mobile Satellite Services Association
New Satellite Technologies	6145	New Satellite Services for a Transformative Connectivity.	GSOA
New Satellite Technologies	6108	Committee on the Peaceful Uses of Outer Space: 67th Session (June 19-28, 2024) - Space Sustainability Issues.	Brazil
Regulatory Framework Mexico	6085	Regulatory provisions on satellite matters in Mexico	Mexico

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Elimination of Recommendation 52

The 44th Meeting of the Permanent Consultative Committee II: Radiocommunications (PCC.II).

CONSIDERING:

That the 43rd Meeting of the PCC.II approved Recommendation CCP.II/REC. 68 (XLIII-24) “Generic licensing guidelines for ubiquitously deployed Fixed Satellite Service (FSS) earth stations.”

DECISION:

Sole. To eliminate Recommendation **CCP.II/REC.52 (XXVII-16)**¹ “Generic concessioning regimes for ubiquitously deployed fixed-satellite service earth stations.”

Informative Documents

Information document on recent U.S. activities in supplemental space-based coverage.

The Federal Communications Commission (FCC) adopted a national regulatory framework for Supplemental Coverage from Space (SCS). The framework adopted in the FCC Report and Order is a first step to encourage the development of Supplemental Coverage from Space while minimizing the risks of harmful interference to existing terrestrial and satellite networks, some of the actions to be implemented are:

- Adopted a spectrum usage framework that allows for increased coverage to a terrestrial licensee's subscribers through a collaboration via a lease or agreement with a satellite operator.
- Adopted a two-way mobile satellite service (MSS) secondary assignment, along with a new definition for SCS in certain frequency bands that have no primary, non-flexible, legacy federal or non-federal incumbents.
- Added a secondary allocation of MSS in bands allocated to terrestrial services, along with a new non-federal footnote NG33A, indicating that MSS operations in the bands are subject to FCC rules:
- Established a framework in which the FCC would authorize Supplemental Coverage from Space in spectrum bands only where one or more terrestrial licensees - holding all licenses in the relevant channel across defined geographically independent areas - lease access to terrestrial spectrum rights to a satellite operator, whose Part 25 space station license includes these frequencies and geographically independent areas.
- Adopted provisional requirements for 911 calls and text messages to be routed to a Public Safety Answering Point using location-based routing or an emergency call center.

Key elements of the FCC Report and Order can be found at the following link:
<https://docs.fcc.gov/public/attachments/FCC-24-28A1.pdf>

¹ <https://www.oas.org/citevents/es/Documents/ByAdvanced?page=30&Y=0>

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The future of satellite connectivity: Various approaches to Direct to Device Service.

The advent of direct-to-device connectivity via satellite heralds an exciting era for the satellite industry, introducing novel services that offer consumers ubiquitous connectivity benefits using their own mobile devices. This article examines two variants of satellite D2D (direct-to-device) applications:

- **D2D on Mobile Satellite Service (MSS).** Uses the spectrum already allocated to MSS, where MSS operators can deliver services directly to devices in the market on a large scale, integrating MSS capabilities directly into them. This integration offers a near seamless transition between terrestrial and satellite networks for voice, data and messaging services, providing connectivity regardless of location, whether near terrestrial base stations or in areas with limited or no terrestrial coverage.

Note also that D2D in MSS is the subject of important discussions and analysis in two WRC27 agenda items, 1.12 and 1.14.

- **D2D in Mobile Service (MS) bands.** The second variant of satellite D2D allows satellites to connect directly to existing cell phones using terrestrial mobile spectrum to serve as a complementary solution to terrestrial mobile coverage, especially in areas where such coverage is unavailable or non-existent. This variant allows satellite networks/systems to use the bands allocated to the MS and identified for International Mobile Telecommunications (IMT), which are frequency bands used by mobile network operators to transmit signals between existing cell phones and base stations. The use of the MS bands would make it possible to take advantage of existing cell phones and their associated chipsets.

Similarly, D2D in MS is the subject of important discussions and analysis in WRC27 IoA 1.1327.

Administrations are invited to consult Annex 1 [CCPII-2024-44-6146p1_e.pdf](#), for details of the analysis of the two variants of the direct-to-device (D2D) satellite service, focusing on their importance in the satellite communications market.

Mobile Satellite Services Association (MSSA) Submission

The Mobile Satellite Services Association (MSSA) is a global non-profit industry association, founded in 2024, that fosters innovation and operationalization to enable the evolution of satellite-to-terrestrial mobile telecommunications services through the development of technical standards and coordination of regulatory advocacy. It seeks to promote and advance the emerging D2D ecosystem and supports the efforts of D2D solution providers, including satellite and terrestrial mobile operators, OEMs, infrastructure providers, chip vendors and others. It utilizes more than 100 MHz of L- and S-band spectrum already assigned and licensed for mobile satellite services (MSS).

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Its key objectives include:

- Improving seamless global roaming between terrestrial and satellite multi-orbit networks through the development of recommended specifications.
- Achieve scalability through improved coordination and cooperation mechanisms among MSS operators to maximize the utility of over 100 MHz of global MSS spectrum already available and licensed in nations desiring advanced NTN services.
- Provide a neutral forum for coordination of international standards activities, including 3GPP NTN.
- Unlock interoperable architectures and standards to be used in multi-orbit satellite systems, terrestrial infrastructure and end-user equipment.
- Support mechanisms for individual nations to participate in the new space economy through open standards and architectures, and through MSSA-supported space networks.
- Support the integration of space networks into the national telecommunications infrastructure through trusted local partners and within sovereign regulatory and national security frameworks.
- Advocate for policies, laws and regulations, including those related to rational, efficient, secure and sustainable uses of spectrum and orbits, and where appropriate, objective and quantitative metrics on all objects in orbit around the Earth.

MSSA joined CITELE PCC.I and PCC.II with the goal of presenting contributions on a variety of topics, including the benefits of using MSS L and S spectrum for D2D and IoT, the importance of 3GPP NTN standards-based solutions, and the role MSS can play in complementing terrestrial networks to bridge the digital gap and meet the UN Sustainability Goals.

Considerations for Direct-to-Device Satellite Technologies

This document considers two approaches to D2D, which differ depending on whether they are used with spectrum allocated to MSS for non-terrestrial links (“D2D MSS”) or the spectrum allocated to land mobile for non-terrestrial links (“D2D IMT”). The contribution discusses regulatory, operational and technical aspects of both approaches for D2D and CITELE administrations are encouraged to consult it, highlighting the actions CITELE administrations are encouraged to follow:

- At a national level, to ensure that the D2D MSS approach is enabled within the existing global regulatory framework that supports current MSS services, as well as the mass adoption of D2D MSS in the coming years, building on the work already done in 3GPP, to complete versions 17 and 18 (releases on standards for mobile services), which include non-terrestrial networks (NTN) and address the role of satellite networks in the global IMT ecosystem.
- To actively participate in the studies related to WRC-27 agenda item 1.13, to ensure that the regulatory, technical and operational challenges associated with the provision of IMT D2D services are understood and mitigated prior to the development of such services in their Administrations' territories.

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New Satellite Technologies for Transformative Connectivity

Satellite technology enables people, businesses, governments and objects to connect with the rest of the world. Evolving standards and the introduction of NTN (non-terrestrial networks) in the 3rd Generation Partnership Project (3GPP) are now playing an important role in the integration of satellites into the 5G and 6G ecosystems. The ability to provide connectivity to small antennas on either smartphones or fixed terminals in homes and businesses, and antennas integrated into vehicles, will further expand connectivity capabilities in the near term. Below is a detailed explanation of the new satellite technologies:

- Non-terrestrial networks;
- Multi-orbit satellites;
- Software Defined Satellites;
- Ground Segment;
- Inter-satellite links;
- Life Extension and In-Orbit Servicing;
- Artificial Intelligence / Machine Learning;
- Open Radio Access Networks;
- Quantum Technologies.

It is important for Administrations to be aware of the deployment of these cutting-edge technologies that are driving a new era of satellite communications to close the digital gap and foster global inclusion. The convergence of these innovative technologies positions the satellite communications industry in a crucial role in the future of global connectivity, ensuring an inclusive digital future for all. This continued transformation demonstrates the industry's commitment to creating a more connected and secure world..

Regulatory provisions on satellite matters in Mexico

For the Mexican Administration, sharing the regulatory framework on satellite matters in force in the country is of great relevance. The Regulatory Provisions are a comprehensive legal instrument on satellite communication matters, which links the existing regulation in a systematic manner, regulating and developing the rights, obligations, the various figures, deadlines and procedures of the various processes associated with this matter, such as:

- Mechanisms to concession Orbital Resources;
- Direct Assignment by Request of Interested Party;
- Operation of Satellite Systems and Earth Stations;
- Harmful Interference;
- Satellite System Failures;
- Replacement Plan;
- De-orbiting;
- Temporary Operation of a Control and Operation Center Abroad;
- Operation of Foreign Satellite Systems;
- Blanket License;
- Spacecraft;

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- Short Duration Missions;
- Satellite Amateur Radio;
- Complementary Terrestrial Service

It is important to note that the Satellite Provisions not only regulate the provision of satellite communication services for commercial purposes, but also include provisions to regulate certain aspects of the Earth Exploration Satellite Service, Standard Frequency and Time Signal Satellite Service, Meteorological Satellite Service, Space Weather Satellite Service, Satellite Radio Service in the space-to-Earth sense, Space Operations Service, Space Research Service, Amateur Radio Satellite Service, as well as concessions of orbital resources for public use of orbital resources for space operations, Space Research Service, and Amateur Radio Satellite Service, as well as concessions of orbital resources for public, social and private use, the latter for experimentation purposes, technical and economic feasibility testing of developing technologies, temporary testing of equipment or radio amateurs.

In addition, Satellite Provisions create benefits that translate into rights and obligations for orbital resource licensees, signal landing licensees and TTE licensees. Additionally, several procedures are generated to comply with the obligations set forth in these provisions, which grants legal certainty to all parties involved by establishing the legal basis for the procedures, deadlines and documentation to be submitted. Likewise, mechanisms for the compliance, efficiency and effectiveness of the Regulatory Provisions are generated through supervision, verification, complaints, revocation and technical-legal support mechanisms.

More information on the Regulatory Provisions regarding Satellite Communications in Mexico may be accessed by clicking on the following link:

<https://www.ift.org.mx/node/22575>

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3.5 Working Group on Radio Broadcasting

The Working Group on Broadcasting met once and examined six (6) input contributions, outline in the table below.

INPUT CONTRIBUTIONS

Topic	Document No.	Title²	Proponent
Television Broadcasting	6079	PROCESO DE TRANSICIÓN A LA TELEVISIÓN TERRESTRE DIGITAL EN LA REPÚBLICA DOMINICANA ¹	Dominican Republic
Second-generation DTTB systems	6112	BRAZILIAN NEXT-GENERATION DIGITAL TERRESTRIAL TELEVISION ¹	Brazil
	6122	CURRENT STATE OF ATSC 3.0 DEPLOYMENT IN THE UNITED STATES ¹	ATSC
	6123	DEVELOPMENT OF BROADCAST POSITIONING SYSTEM (BPS) USING ATSC 3.0 ¹	ATSC
Sound Broadcasting	6078	REGULATION UPDATE PROCESS OF THE FREQUENCY MODULATED (FM) SOUND BROADCASTING SERVICE IN THE DOMINICAN REPUBLIC ¹	Dominican Republic
Spectrum Usage for Broadcasting	6125	WIRELESS MULTICHANNEL AUDIO SYSTEM (WMAS) ¹	Shure Inc.

The documents were introduced and, as they were all informative, no output document was produced at this meeting.

Document 6079 presented by the Dominican Republic shares the initiatives to implement terrestrial digital television (TDT), which is considered a high priority under government directives, aimed at improving connectivity and social inclusion. The government established regulations and a timeline for the transition to TDT under the ATSC 1.0 standard. In 2022, a tender was conducted to acquire 450,000 digital signal converter boxes for low-income families. While many have been distributed, some provinces are still awaiting delivery, prompting a new tender for an additional 400,000 boxes. The process is proceeding as scheduled.

² Documents are listed on their original language.

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Document 6112 presented by Brazil shares updates on the TV 3.0 project developments that have taken place since the last contribution sent to CITEC CCP.II related to the topic (for the 43rd meeting, April/2024). The TV 3.0 Project aims to develop the Brazilian next-generation Digital Terrestrial Television system and is heading towards the completion of its Phase 3 by the end of 2024. Further information regarding the TV 3.0 Project can be obtained at https://forumsbtvd.org.br/tv3_0/.

Document 6122 presented by the ATSC provides an update on the deployment of ATSC 3.0, also known as NextGen TV, in the United States. The deployment of ATSC 3.0 is expected to significantly enhance the broadcast industry's technological capabilities, offering higher quality video and audio, advanced emergency alerting, interactive services, and new datacasting revenue opportunities, all of which contribute to the modernization of broadcasting services, which can be of interest to CITEC Member States.

Document 6123 provides an update on the development of the Broadcast Positioning System (BPS) using ATSC 3.0, spearheaded by the National Association of Broadcasters (NAB). The BPS initiative leverages the advanced capabilities of ATSC 3.0 to provide precision time services that complement and enhance existing Global Positioning System (GPS) technology. The deployment of BPS has significant implications for CITEC Member States, particularly in safe-guarding critical systems and infrastructure that rely on access to precision time.

Document 6078 summarizes the initiatives of the Dominican Republic to update the Regulation of the FM Sound Broadcasting service. This process is necessary due to the age of the current regulation and has the goal to adapt our new standards for the technological developments and the current needs for the sector.

Finally, **document 6125** presented by Shure Inc. introduces Wireless Multi-Channel Audio System (WMAS) as a new scalable wireless microphone technology utilizing broadband digital transmission techniques which operates with wider bandwidths than legacy systems. It enables more devices to operate per megahertz of spectrum available. The document also reports that Shure has been actively conducting works towards harmonizing WMAS technology regulations among CITEC countries.

Next Meeting

The 45 meeting of PCC.II will be held in Mexico, from 2025 June 2 to 7.