

Status of Preparations for WRC-15

Inter-American Telecommunication Commission (CITEL)
Carmelo Rivera, CITEL PCC-II WRC-WG Vice-Chairman
July 2015



Organization of
American States

Working Group established within PCC.II

Chair: Uruguay, Hector Bude

(hbude@ursec.gub.uy)

Vice-Chair: United States of America, Carmelo Rivera

(crivera@doc.gov)

Future meeting:

➤ August 17-21, 2015, Ottawa, Canada

WRC Working Group Structure

Sub WG	Title	Agenda items	Coordinator
SGT1	Mobile & Fixed	1.1, 1.2, 1.3	Mr. Marco Antonio ESCALANTE GUATEMALA
SGT2	Radiolocation, Amateur, Maritime & Aeronautical	1.4, 1.5, 1.15, 1.16, 1.17, 1.18	Mr. Jonathan WILLIAMS UNITED STATES OF AMERICA
SGT3	Space Science & MSS	1.10, 1.11, 1.12, 1.13, 1.14, 1.9.2, 9.1.1	Mr. Tarcisio BAKAUS BRAZIL
SGT4	FSS & Satellite Regulatory	1.6.1, 1.6.2, 1.7, 1.8, 1.9.1, 7, 9.1, 9.1.2, 9.1.3, 9.1.5, 9.1.8, 9.1*, 9.2*, 9.3 *Satellite issues	Mr. Jerry CONNER UNITED STATES OF AMERICA
SGT5	General Regulatory, Future Work & Other	2, 4, 8, 9.1.4, 9.1.6, 9.1.7, 9.2*, 10 *Non-satellite issues	Mr. Carmelo RIVERA UNITED STATES OF AMERICA

INTER – AMERICAN PROPOSALS : DEFINITIONS

- **PRELIMINARY PROPOSAL (PP):** a proposal that a CITELE Member State presents to PCC II with the purpose to turning it into an Inter-American Proposal and that has not been supported by another Member State.
- **DRAFT INTER-AMERICAN PROPOSAL (DIAP):** PRELIMINARY PROPOSAL that has been supported by at least one other Member State.
- **INTER-AMERICAN PROPOSAL (IAP):** DRAFT INTER-AMERICAN PROPOSAL (DIAP) for which the PCC II has ended its consideration and discussion, has been supported by at least six Members States and is not opposed by more than 50% of the number of supports obtained.
 - Discussions have not ended for any of the IAP presented in this document

Mobile and Amateur Issues

(1.1, 1.2, 1.3, 1.4)

Agenda Item 1.1: *IMT/terrestrial mobile broadband*

Frequency Range (MHz)	MOD Art 5: New Mobile allocation (MS) and/or IMT identification	NOC
410-450		Draft Inter-American Proposal BLZ/CHL/CTR/MEX/USA
470-698		Inter-American Proposal¹ ARG/B/CHI/DOM/SLV/EQA/GTM/ NCG/PNR/PRG/PRU/URG
470-608, (NOC 608-614)	DIAP CAN/USA/MEX	
614-698	DIAP CAN/USA/MEX/CLM	
1164-1215, 1215-1300, 1559-1610		DIAP CAN/USA/GTM/MEX
1300-1400		DIAP USA/CHL

Note 1: Discussions have not ended

Frequency Range (MHz)	MOD Mobile allocation in Article 5	NOC
1427-1518	IAP B/CHL/CLM/CTR/DOM/USA/GTM/ MEX/PRU/URG	
1427-1452 Mandatory OOB on IMT	IAP B/CHL/CLM/CTR/DOM/GTM/MEX/ PRU/URG	
1559-1610		DIAP CAN/USA
2025-2110, 2200-2290		DIAP MEX/USA/CAN/BLZ
2700-2900		DIAP CHL/USA/GTM
3300-3400	PP CLM	

Note 1: Discussions have not ended

Frequency Range (MHz)	MOD Mobile allocation in Article 5	NOC
3400-3600	DIAP B/CLM/CTR/EQA: MS with IMT identification	
3400-4200	DIAP (3400-3700 w/NOC above) CAN/USA	IAP BEL/BOL/SLV/MEX/NCG/PNR
3600-4200		DIAP B/CTR/EQA/VEN
4400-4990		PP USA
4500-4800		IAP ARG/B/BOL/CHL/GTM/NCG/ MEX/PNR/SLV/URG/VEN
5850-6425		IAP B/BLZ/CTR/GTM/MEX/NCG/ PNR/SLV
Note 1: Discussions have not ended		

Agenda Item 1.2: *Use of 694-790 MHz by mobile service (Region 1)*

Issue Coordinator: Agostinho LINHARES (B), linhares@anatel.gov.br

Agenda Item 1.3: *Broadband PPDR*

- **IAP** ([B]/CHL/SLV/GTM/MEX/
NCG/PNR/URG/[VEN])- MOD Resolution **646** to
ensure the collection of agreements reached in
Region 2 regarding the 698-806 MHz band
identified for deployment of broadband PPDR
applications.

Note 1: Discussions have not ended

Issue Coordinator: Luis LARA (MEX), Luis.lara@motorolasolutions.com

Agenda Item 1.4: *Possible secondary amateur service allocation within 5 250-5 450 kHz*

Preliminary Proposals (modified Method A1)

Canada

- New global secondary allocation in the bands 5 330-5 355 and 5 405-5430 kHz

Inter-American Proposals¹ (Method A1)

ARG/B/DOM/NCG/SLV/URG

- New global secondary allocation in the band 5 275-5 450 kHz
- ADD new footnote stating that administrations may adopt additional constraints

Note 1: Discussions have not ended

Issue Coordinator: Alkin CAUCEDO (PNR), asaucedo@asep.gob.pa

Maritime, Aeronautical and Radiolocation Issues

(1.5, 1.15, 1.16, 1.17, 1.18)

Agenda Item 1.5: *UAS - Satellite*

DIAP (USA/MEX) supports CPM Method A – Use of the Fixed Satellite Service by unmanned aircraft for control and non-payload communications links. Provides a footnote allowing the use of UAS CNPC links in the fixed-satellite service not subject to Appendices 30, 30A and 30B.

ITU-R is responsible for determining the technical and regulatory conditions that will ensure interference-free operation of FSS links to mobile UAS platforms

ICAO has the responsibility to develop the link performance standards and to determine if a particular link can be used by unmanned aircraft in particular airspace. Those standards are not yet complete.

Issue Coordinator: Jonathan WILLIAMS (USA), jwilliams@ntia.doc.gov

Agenda Item 1.15: On-board communication stations in the maritime mobile service

Issue Coordinator: Camilo ZAMORA (CLM), camilo.zamora@ane.gov.co

Agenda Item 1.16: New AIS technology applications and possible new applications to improve maritime radiocommunication

Issue Coordinator: Camilo ZAMORA (CLM), camilo.zamora@ane.gov.co

Agenda Item 1.18: Radiolocation service for automotive applications in 77.5-78.0 GHz

Issue Coordinator: Bill KAUTZ (USA), William.d.Kautz@uscg.mil

Agenda Item 1.17: *Wireless avionics intra-communications*

Inter-American Proposals¹ (most of Method A option 2)

**ARG/B/CAN/CTR/CLM/DOM/EQA/GTM/MEX/NCG/PNR/SLV/USA
/URG**

- New primary aeronautical mobile (route) service (AM(R)S) allocation in the 4 200-4 400 MHz band with a footnote limiting its use for WAIC systems
- ADD a footnote to indicate that passive sensing in the Earth exploration-satellite and space research services may be allocated on a secondary basis (maintaining the current allowance of these services), and that no protection is afforded to these services

Note 1: Discussions have not ended

Issue Coordinator: Marcella OST (CAN), marcella.s.ost@boeing.com

Science Issues

(1.11, 1.12, 1.13, 1.14)

Agenda Item 1.11: EESS (E-s) 7-8 GHz

Issue Coordinator : Glenn FELDHAKE (USA), glenn.s.feldhake@nasa.gov

Agenda Item 1.12: EESS (active) up to 600 MHz extension within 8 700-9 300 MHz and/or 9 900-10 500 MHz

Issue Coordinator: Vassilios MIMIS (CAN), vmimis@primus.ca

Agenda Item 1.13: 5 km distance limitation for proximity operations by space vehicles in the SRS (s-s)

Issue Coordinator: Wayne Whyte (USA), wayne.whyte@nasa.gov

Agenda Item 1.14: Continuous reference time-scale - whether by the modification of UTC or some other method

Issue Coordinator: Tarcisio BAKAUS (B), bakaust@anatel.gov.br

Satellite Allocation Issues

(1.6, 1.7, 1.8, 1.9, 1.10)

Satellite Regulatory Issues

(7, 9.1, 9.1.1, 9.1.2, 9.1.3,
9.1.5, 9.1.8, 9.2, 9.3)

Agenda Item 9.1.1: *Protection of the systems operating in the MSS in 406-406.1 MHz*

Inter-American Proposal

ARG/B/CAN/CHL/CLM/CTR/NCG/USA/URG

- MOD Art 5 to add a new footnote in the 403-410 MHz band to indicate that Resolution 205 applies
- MOD Res 205 to strongly recommend that no new frequency assignment be made in the band 406.1 – 406.2 MHz for new land mobile stations and that frequency drift be taken into account when deploying radio-sondes systems above 405 MHz. Measures to limit the levels of unwanted emissions in the 406-406.1 MHz band and to improve the robustness of the satellite receivers should also be taken.

Issue Coordinator: Carmelo RIVERA (USA), crivera@doc.gov

General Issues

(2, 4, 8, 9.1.4, 9.1.6, 9.1.7, 9.2, 9.3,
10)

Agenda Item 9.1.7: Spectrum management guidelines for emergency and disaster relief radiocommunication

Preliminary Proposals

Canada (Option A)

- MOD Resolution **647** placing emphasis on need for administrations to provide point of contact information for inclusion in ITU database
- Incorporates necessary elements from Resolution **644** into updated Resolution **647** and also avoid any duplication or overlap
- SUP Resolution **644** – consequential

Uruguay (Option C)

- MOD Resolution 644 to incorporate relevant elements of Resolution 647 to consolidate and reduce overlapping
- SUP Resolution 647 - consequential

Agenda Item **10**: *Agenda Items for Future Conferences*

Preliminary Proposals

Canada

- Suppress existing Resolution **808 (WRC-12)** and replace it with a new Resolution for the WRC-18 agenda

- **DIAP**

DOM/USA/URG

- AI to consider upgrading METSAT allocation in 460-470 MHz

- **DIAP:**

CHL/CLM/DOM/USA/URG

- to consider 5350-5470 MHz for wireless access use including RLANs (follow on to AI 1.1)

Issue Coordinator: to be determined (USA)

**Complete documents may be
found at:**

<https://www.citel.oas.org/en/Pages/PCCII/WRC.aspx>

Thank you very much for your attention

PCC.II/CITEL Representative

<http://www.citel.oas.org>

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