



**2nd ITU INTER-REGIONAL WORKSHOP
ON WRC-15 PREPARATION
(Geneva, 12 – 13 November 2014)**

**Status of CITEL
Preparations for
WRC-15**

**2nd ITU INTER-REGIONAL
WORKSHOP ON WRC-15
PREPARATION**

**GENEVA, SWITZERLAND
12-13 NOVEMBER 2014**

www.itu.int/go/ITU-R/WRC-15-irwsp-14/



***Inter-American
Telecommunication
Commission (CITEL)
November 2014***



Organization of
American States

Status of Preparations for WRC-15

Inter-American Telecommunication Commission (CITEL)
November 2014



Organization of
American States



Working Group established within PCC.II

Chair: Uruguay, Hector Bude

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Vice-Chair: United States of America, Carmelo Rivera

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Recent and future meetings

- March 17-21, 2014, Cartagena, Colombia
- September 29-October 3, 2014, Merida, Mexico
- February 23-27, 2015, Medellin, Colombia
- 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 VIEWS (PV):** an informal statement that the Administration is considering possible Preliminary Proposals on specific themes.
- **PRELIMINARY PROPOSAL (PP):** a proposal that a CITELE Member State presents to PCC II with the purpose of 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 Member 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* Status of the Preliminary Proposals, Draft Inter-American Proposals and Inter-American Proposals (1 of 4)

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

Note 1: Discussions have not ended



Agenda Item 1.1: *IMT/terrestrial mobile broadband* Status of the Preliminary Proposals, Draft Inter-American Proposals and Inter-American Proposals (2 of 4)

Frequency Range (MHz)	MOD Art 5: New Mobile allocation (MS) and/or IMT identification	NOC
1350 - 1400	Preliminary Proposal B: MS + IMT identification	
1427 - 1518	Inter-American Proposal¹ B/CLM/CTR/DOM/GTM/MEX/PRU/ URG: IMT identification Draft Inter-American Proposal CAN/CHL: IMT (1427-1492 MHz)	
1435 – 1535		Preliminary Proposal USA
2025 – 2110, 2200 – 2290		Draft – Inter-American Proposal MEX/USA

Note 1: Discussions have not ended



Agenda Item 1.1: *IMT/terrestrial mobile broadband* Status of the Preliminary Proposals, Draft Inter-American Proposals and Inter-American Proposals (3 of 4)

Frequency Range (MHz)	MOD Art 5: New Mobile allocation (MS) and/or IMT identification	NOC
3300 – 3400	Preliminary Proposal CLM: MS + IMT identification	
3400 – 3600	Draft Inter-American Proposal B/CLM/EQA: MS + IMT identification	
3400 – 3700	Preliminary Proposal CAN: MS + MOD No. 5.431A (3400-3500) and IMT (3500-3700)	
3400 – 4200		Draft Inter-American Proposal BOL/MEX/NCG/PNR/SLV
3500 – 4200		Preliminary Proposal GTM



Agenda Item 1.1: *IMT/terrestrial mobile broadband* Status of the Preliminary Proposals, Draft Inter-American Proposals and Inter-American Proposals (4 of 4)

Frequency Range (MHz)	NOC
3600 – 4200	Draft– Inter-American Proposal B/EQA/VEN
4500 – 4800	Inter-American Proposal¹ ARG/B/BOL/GTM/NCG/MEX/PNR/SLV/URG/VEN
5000 – 5030	Preliminary Proposal USA
5350 – 5470	Preliminary Proposal CAN
5850 – 6425	Draft Inter-American Proposal B/MEX/NCG/PNR/SLV

Note 1: Discussions have not ended

Issue Coordinator: Diana TOMIMURA (B), diana.tomimura@mc.gov.br



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

Preliminary Views

Canada/United States

- Studies undertaken by JTG 4-5-6-7 to address agenda items 1.1 and 1.2 are separate and distinct, even if bands of interest to both agenda items prove to be similar;
- Sharing and compatibility methodologies that may be utilized in possible sharing and compatibility studies undertaken for WRC-15 Agenda Item 1.2 will not *a priori* be agreed for application to studies under agenda item 1.1;
- There is no basis for any change to the Radio Regulations being addressed under agenda item 1.2 that pertain to, or otherwise impact, Region 2.

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



Agenda Item 1.3: *Broadband PPDR*

Preliminary Proposals

Canada (Method A)

- Editorial amendments to Resolution **646 (Rev.WRC-12)**

Inter-American Proposals¹ (Method B)

B/CHL/GTM/MEX/NCG/URG

- MOD Resolution **646** to identify the 380-399.9 MHz and 698-806 MHz bands for deployment of PPDR applications in Region 2

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*

Preliminary Views

Canada

- Supports use of FSS bands not subject to AP **30**, **30A**, **30B** for UAS control and non-payload communications in non-segregated airspaces only if ITU-R studies show it's possible to provide safe and efficient integration into the ATC system

Preliminary Proposals (Method A)

United States

- ADD footnote 5.XXX in most FSS bands from 10-30 GHz to allow for control and non-payload communication (CNPC) of unmanned aircraft systems
- ADD Resolution specifying regulatory and operational procedures

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



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

Preliminary Views

Canada

- Studies to determine spectrum requirements and possible technology improvement must be carried out to ascertain any additional spectrum requirements

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

Preliminary Proposals

United States (part of Method A1)

- MOD Appendix 18: to specify Channels 2078, 2019, 2079 and 2020 are not available for transmitting from ships to protect AIS receivers

Canada (Method A1 and part of Method C1)

- New secondary allocation for the maritime mobile-satellite service (Earth-to-space) for frequency band 161.9375-161.9625 MHz (channel 2027) and frequency band 161.9875-162.0125 MHz (channel 2028) for improved ASM
- MOD Appendix 18: to split Channels 27 and 28 into four simplex channels; identify Channels 2027 and 2028 for ASM; specify Channels 2078, 2019, 2079 and 2020 are no longer available for transmitting from ships to protect AIS receivers achieved through a transitional period

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)

B/CAN/DOM/EQA/GTM/NCG/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



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

Preliminary Views

Brazil/Canada/United States

- Support a primary allocation to the radiolocation service in the frequency band 77.5-78 GHz for automotive radars if ITU-R studies show that:
 - Sharing is feasible with existing services in the band 77.5-78 GHz and;
 - Compatibility with and protection of existing services has been demonstrated in the adjacent bands 76-77.5 GHz and 78-81 GHz

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



Science Issues

(1.11, 1.12, 1.13, 1.14)



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

Inter-American Proposals¹ (Method A option 2) **ARG/B/CAN/MEX/URG/USA**

- Add global primary allocation to EESS (Earth-to-space) in the 7 190-7 250 MHz band and divide the Table of Frequency Allocation at 7 190 MHz to clarify the allocation of services within the Table.
- MOD No. **5.460** - to indicate that geostationary EESS systems shall not claim protection from existing and future stations of the FS and the MS and consequential to dividing the Table at 7 190 MHz
- MOD Article **21** Tables 21-2 and 21-3 - consequential
- MOD Appendix **7** Table 7b - consequential

Note 1: Discussions have not ended

Issue Coordinator : Glenn FELDHAKÉ (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*

Preliminary Views

Brazil/Canada/United States

- Support studies that would lead to the potential extension of the current EESS (active) allocation in the frequency band 9 300-9 900 MHz by 600 MHz;
- Support the ITU-R study results on the EESS spectrum requirements which demonstrate that 1 200 MHz of contiguous spectrum is necessary;
- Compatibility with existing services will have to be ensured, in accordance with the appropriate protection criteria and taking into account any available mitigation techniques that would reduce the level of unwanted emissions into adjacent band.

United States

- Only if studies prove that existing services cannot be protected and/or sufficient spectrum cannot be made available in the 9 900 MHz-10.5 GHz range, does the United States support consideration of the 8 700-9 300 MHz range.



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

Preliminary Proposals (Method A1)

Canada

- New global primary EESS (active) allocation in the band 9 900-10 500 MHz
- MOD footnote **No. 5.476A** to protect the radiolocation and radionavigation services
- ADD footnote **No. 5.A112** to ensure the newly allocated spectrum is used solely by high resolution EESS systems whose spectrum needs exceed the existing EESS allocation in the 9 300-9 900 MHz band
- SUP Resolution **651 (WRC-12)**

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)

Draft Inter-American Proposals (Single Method) Brazil/Canada/United States/Mexico/Uruguay

- MOD No. **5.268** to remove 5 km distance separation limit, and remove reference to “extra-vehicular activities”
- SUP Resolution **652 (WRC-12)**

Issue Coordinator: Edward JACOBS (USA), edward.r.jacobs@nasa.gov



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

Preliminary Views (Brazil/Canada)

- Support ITU-R studies with the aim of finding a compromise solution that would satisfy the need by some administrations to have a continuous reference time-scale while at the same time preserving Coordinated Universal Time (UTC) with its current definition;
- Noting that the current UTC timescale has been used satisfactorily since 1972, and is used in many types of applications and telecommunications systems, any change must be properly justified, carefully studied and planned, considering the possible risks the change may have on these applications;
- The studies should also highlight the impact of a possible change from the standard UTC to a new continuous time scale, especially with respect to the costs involved and the consequences for all including developing countries.
- All options including better implementation and enhanced distribution should be looked at.
- Clarification of the nomenclature associated with the definition of time in the ITU is required.



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

Preliminary Proposals (Method A1)

United States

- **MOD No. 1.14** – The *Coordinated Universal Time (UTC)* definition would now read: Time scale, based on the second (SI) and maintained by the Bureau International de Poids et Mesures (BIPM), that forms the basis for the coordinated dissemination of standard frequencies and time signals.
- **MOD No. 2.5** – consequential change
- **MOD Article 59** – consequential change
- **ADD new Resolution** – to establish January 1, 2022 as the date of entry into force of the modified provisions to allow for a transition period for the elimination of the leap seconds
- **SUP Resolution 653 (WRC-12)**

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



Satellite Allocation Issues

(1.6, 1.7, 1.8, 1.9, 1.10)



Agenda Item 1.6.1: *FSS (E-s and s-E) 250 MHz in Region 1 in 10-17 GHz*

Draft Inter-American Proposals (Method F2)

Brazil/Canada

- MOD Article **5** to remove the constraint on the existing fixed-satellite service allocation at 14.5-14.8 GHz and ensure the SRS (E-s) allocation has co-primary status with FSS usage that are not feeder-links to BSS
- MOD App **5**: consequential change
- MOD App **30A**: To add mechanisms for coordination between FSS with the Regions 1 and 3 feeder-link Plan or List

Issue Coordinator: Elisabeth NEASMITH (CAN), eneasmith@telesat.com



Agenda Item 1.6.2: *FSS (E-s) 250 MHz in Region 2 and 300 MHz in Region 3 in 13-17 GHz*

Draft Inter-American Proposals (Method F2)

Brazil/Canada

- MOD Article **5** to remove the constraint on the existing fixed-satellite service allocation at 14.5-14.8 GHz and ensure the SRS (E-s) allocation has co-primary status with FSS usage that are not feeder-links to BSS
- MOD App **5**: consequential change
- MOD App **30A**: To add mechanisms for coordination between FSS with the Regions 1 and 3 feeder-link Plan or List

Issue Coordinator: José Edio GOMES (B), egomes@hispamar.com.br



Agenda Item 1.7: *FSS (E-s) NGSO MSS Feeder Links 5 091-5 150 MHz*

Draft Inter-American Proposals (Single Method)

Brazil/Canada/United States/Uruguay

- MOD Article **5** to add FSS primary allocation in the 5091-5150 MHz band for feeder links of the non-GSO mobile satellite systems in the MSS
- MOD No. **5.444A** to remove the time constraint elements on the FSS allocation while keeping all the other applicable regulatory provisions, i.e. No. **9.11A** and Resolution **114**
- MOD Appendix **7** to reflect the method of coordination that is to be used between FSS earth stations and ARNS stations
- MOD Resolution **114** : consequential changes

Issue Coordinator: Luis Fernando DE SOUZA (B), lfsouza@embraer.com.br



Agenda Item 1.8: *ESVs*

Preliminary Proposals (Method C)

United States

- MOD Res **902**: to establish different protection distances for different maximum e.i.r.p. density levels, with shorter protection distances for e.i.r.p. density levels lower than those currently allowed by Resolution **902 (WRC-03)**

Issue Coordinator: Candice DEVANE (USA), Candice.devane@intelsat.com



Agenda Item 1.9.1: *FSS 7 150-7 250 MHz (s-E) and 8 400-8 500 MHz (E-s)*

Preliminary Views

Canada/Mexico/United States

- If ITU-R studies demonstrate compatibility with incumbent services and if due consideration is given to a potential allocation to EESS under agenda item 1.11, these administrations will consider supporting allocations to the FSS in the bands 7 150-7 250 MHz and 8 400-8 500 MHz, or portions thereof, limited to FSS systems operated from a fixed, known location not encompassing small VSAT-like FSS earth stations.

Issue Coordinator: to be determined



Agenda Item 1.9.2: *MMSS 7 375-7 750 MHz and 8 025-8 400 MHz*

Draft Inter-American Proposals

Canada/Costa Rica/United States

- NOC to Article 5 as ITU-R studies indicate a potential for interference into existing services, both in-band and adjacent band
- SUP Resolution **758** (WRC-12)

Issue Coordinator : Afonso ROCHA (B), afonsor@anatel.gov.br



Agenda Item 1.10: MSS, including the satellite component for broadband applications, including IMT 22 GHz to 26 GHz

Inter-American Proposals¹ (Method A) CAN/CTR/GTM/MEX/URG/USA

- NOC to Article 5 as sharing with incumbent services in all cases is either not feasible or will require technical and operational constraints that will be impractical for use by the MSS
- SUP Resolution **234** (WRC-12)

Note 1: Discussions have not ended

Issue Coordinator : Donald JANSKY (USA), donjansky@barmat.com



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 7: Removal of six month wait between Advance Publication Information (API) and receipt of Coordination Request

Draft Inter-American Proposals

CAN/USA

- MOD No. **9.1** to remove requirement for the Radiocommunication Bureau to wait six months, from time of API submission, to accept receipt of the coordination request
- MOD No. **9.5B** - consequential



Agenda Item 7: Clarification of the capability of a space station when bringing into use frequency assignments under No. 11.44B of the Radio Regulations

Preliminary Proposals

Canada

- MOD **11.44B** and ADD **11.44B.1** to incorporate the Rule of Procedure on No. **11.44B** into the Radio Regulations
- At its 64th meeting, the RRB adopted a new Rule of Procedure to indicate that whenever it appears from reliable information available that an assignment has not been BIU in accordance with Nos. **11.44/11.44B**, the provisions of No. **13.6** shall apply



Agenda Item 7: Notification of suspension under No. 11.49 beyond six months

Inter-American Proposals¹

ARG/CHL/CLM/EQA/SLV/NCG/PRG/URG/VEN

- NOC

Note 1: Discussions have not ended

Draft Inter-American Proposals

CAN/CTR/MEX/USA

- MOD No. **11.49** to specify the regulatory consequence when an administration notifies the Bureau of a suspension beyond the required six-month period, i.e. reduction of the 3 year period



Agenda Item 7: Relevance of Orbital Position Limitations Found in Appendix 30 Between the Regions

- Based on studies regarding the orbital separations allowed between BSS and FSS from the coordination triggers in Annexes 1 and 4 of Appendix **30**, representative BSS and FSS systems serving different regions can exist successfully with orbital separations as small as 0.5 and 2 degrees
- Orbital position limitations found in Annex 7 to Appendix **30** no longer needed in the Plan

Preliminary Proposals

United States

- SUP Paragraph A of Annex 7 to Appendix **30**



Agenda Item 7: Alignment of suspension provisions in Appendix 30B with those in Article 11

Draft Inter-American Proposals

CAN/MEX/USA

- MOD paragraph 6.33 ii) of Article 6 to Appendix **30B** to extend to three years the permitted suspension period
- MOD paragraph 8.17 of Article 8 to Appendix **30B** to clarify the provisions for the bringing back into use of a suspended frequency assignment recorded in the Master Register
- ADD footnote 14*bis* in paragraph 8.17 to align with No. **11.49.1**

Issue Coordinators: Juan MASCIOTRA (ARG), jmasciotra@cnc.gov.ar and Ramiro ROBLEDO (MEX), robledo@ift.org.mx



Agenda Item 9: Provide global broadband satellite spectrum for earth stations on mobile platforms (ESOMPS)

Preliminary Proposals

United States

- ADD new footnote in Article 5 to FSS bands in 19.7-20.2 GHz and 29.5-30 GHz to permit earth stations that are in motion to communicate with GSO space stations of the fixed-satellite service
- ADD new Resolution to regulate the authorization and operation of the ESOMPS



Agenda Item 9: RR No. 5.443C

- No. **5443C** was adopted at WRC-12 to enable use of unmanned aircraft systems in new AM(R)S allocation in 5 030-5 091 MHz, while ensuring protection of RNSS systems in the adjacent band 5 010- 5 030 MHz
- Subject to further ITU-R studies, the out-of-band emission limit contained in the footnote is to be reviewed
- ITU-R has not yet completed the necessary studies to establish an appropriate value

Preliminary Proposals

United States

- NOC No. **5.443C**

Issue Coordinator: Giselle CREESER (USA), gisellecreeser@gmail.com



Agenda Item 9.1: on the activities of the Radiocommunication Sector since WRC-12 - Automatic Dependant Surveillance – Broadcast (ADS-B) via Satellite at 1090 MHz

- Global expansion of ADS-B coverage by satellites contributes to ensuring efficient management of air traffic in oceanic, polar regions and remote airspace
- ITU-R studies have confirmed that no sharing studies are required as no services would be impacted by this passive reception of existing terrestrial ADS-B signal via satellites

Draft Inter-American Proposals

CAN/CLM/DOM/EQA/NCG

- Addition of AMS(R)S allocation via a new footnote for the 1 089-1 091 MHz band to facilitate satellite reception of the terrestrial ADS-B signal and satisfying both ITU and ICAO requirements in relation with communication of aircraft air navigation related position information on a global basis

Issue Coordinator: Michael RAZI (CAN), mrazi@storm.ca



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

Draft Inter-American Proposals (Option B)

ARG/B/CAN/NCG/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



Agenda Item 9.1.2: Reduction of the coordination arc and technical criteria used in application of No. 9.41

Draft Inter-American Proposal (Argentina, Canada)

- MOD Items 1 and 2 of the frequency column in Table 5-1 of Appendix 5 to reduce the coordination arcs for GSO satellite networks in the 6/4 GHz and 14/10/11/12 GHz bands to 6° and 5° respectively

Preliminary View (United States)

- Supports continued studies on the necessity for reducing the coordination arc in the 27.5-30.0 GHz/17.7-20.2GHz FSS allocations. However, since in the 30/20 GHz bands there is a lower density of deployment and fewer coordination requests than in other FSS bands, it may not be necessary to reduce the coordination arc in the 30/20 GHz bands as was done at WRC-12 for the 6/4 and 14/10/11/12 GHz band FSS allocations.

Issue Coordinator: Hugo TRIVINO (CLM), htrivino@mintic.gov.co



Agenda Item 9.1.8: *Regulatory aspects for nano- and picosatellites*

Preliminary Views

Canada/United States/Mexico

- Support completing the studies to characterize nanosatellites and picosatellites;
- Support considering whether modifications to the regulatory procedures for notifying satellite networks are needed to facilitate the deployment and operation of nanosatellites and picosatellites;
- The studies should include exploration of whether the current regulations and procedures adequately ensure the compatibility of nanosatellites and picosatellites with other frequency assignments;
- WRC-15 should take into account the results of the studies when considering appropriateness and necessity of the related preliminary WRC-18 agenda item.

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



General Issues

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



Agenda Item 2: ITU-R Recommendations incorporated by reference (Resolutions 27 and 28)

Preliminary Proposals

Canada

- MOD to several provisions and footnotes to update references to Recommendations incorporated by reference that have been revised since WRC-12 and to clarify the status of references

Issue Coordinator: to be determined



Agenda Item 4: Review of Resolutions and Recommendations (Resolution 95)

Preliminary Views

Canada

- Proposals that seek to substantively alter specific resolutions or recommendations, which are not related to another conference agenda item, should not be considered under agenda item 4

Preliminary Proposals

Canada

- Proposed actions on whether to retain, amend or suppress specific Resolutions and Recommendations

Issue Coordinator: to be determined



Agenda Item 8: Deletion of country footnotes, deletion of country names from footnotes (Resolution 26)

Preliminary Views

Canada

- Will be reviewing its country footnotes and the inclusion of its country name in existing footnotes to the ITU Table of Frequency Allocations with a view to determining their relevance.

Issue Coordinator: to be determined



Agenda Item 9.1.4: *Updating and rearrangement of the Radio Regulations*

Preliminary Views

Canada

- Will be participating and contributing, where appropriate, in ITU-R studies and within CITELE and will be reviewing the Director's Report to WRC-15 on this issue in preparation for its proposals to the conference

Issue Coordinator: to be determined



Agenda Item 9.1.6: Studies towards review of the definitions of fixed service, fixed station, and mobile station

Preliminary Views

Canada

- Will be participating and contributing, as appropriate, in ITU-R studies and within CITELE and will be reviewing the Director's Report to WRC-15 on this issue in preparation for its proposals to the conference
- Is of the view that this issue needs to be resolved at WRC-15

Issue Coordinator: Hugo TRIVINO (CLM), htrivino@mintic.gov.co



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

Preliminary Proposals (Option A)

Canada

- 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

Issue Coordinator: Hugo TRIVINO (CLM), htrivino@mintic.gov.co



Agenda Item 9.2: Difficulties and inconsistencies encountered in the application of the Radio Regulations

Issue: Inconsistencies that exist with respect to the application of “Additional allocation” and “Different category of service”

Draft Inter-American Proposals

Canada/United States

- MOD title of Section II of Article 5 by adding a footnote to clarify the application of the term “*Different category of service*”
- NOC to Nos. **5.34-5.41** dealing with additional allocations

Issue Coordinator: Marc GIROUARD (CAN), Marc.G.Girouard@ic.gc.ca



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

Draft Inter-American Proposals

DOM/USA/URG

- to review the meteorological-satellite service allocation in the 460-470 MHz band with a view to upgrading to a primary allocation
- to consider additional spectrum allocations to the mobile service on a primary basis for RLANs in the 5350-5470 MHz frequency range

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

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