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N



Inter-American Telecommunication Commission  
(CITEL)

**CITEL'S POSITIONS REGARDING WRC-12 AGENDA ITEMS**

by

CITEL

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# CITEL Positions Regarding WRC-12 Agenda items

Inter-American Telecommunication Commission (CITEL)



Organization of  
American States




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American States


## Working Group for the Preparation of CITEL for Regional and World Radiocommunication Conferences


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- *Vice Chair 1:* Mr. Héctor Budé (Uruguay)
- *Vice Chair 2:* Mr. Carmelo Rivera (USA)


Working Sub-Group	Issues	Agenda items	Coordinator	Vice - Coordinator
SGT-1	MARITIME, AERONAUTICAL, AND RADIOLOCATION ISSUES	1.3, 1.4, 1.9, 1.10, 1.14, 1.15, 1.21	Carlos Eduardo CHHAB, ARGENTINA <a href="mailto:cchhab@secom.gov.ar">cchhab@secom.gov.ar</a>	Stephen A. WARD III, USA <a href="mailto:Stephen_ward@mmiconnect.com">Stephen_ward@mmiconnect.com</a>
SGT-2	FIXED, MOBILE, BROADCASTING AND AMATEUR ISSUES	1.5, 1.8, 1.13, 1.17, 1.20, 1.23	Gustavo MIRANDA, COSTA RICA <a href="mailto:gmirandan@ice.go.cr">gmirandan@ice.go.cr</a>	Srdjan MIHALJEVIC, SURINAME <a href="mailto:Srdjan.mihaljevic@ties.jtu.int">Srdjan.mihaljevic@ties.jtu.int</a>
SGT-3	SCIENCE AND SATELLITE ISSUES	1.6, 1.7, 1.11, 1.12, 1.16, 1.18, 1.24, 1.25, 7	Chantal BEAUMIER, CANADA <a href="mailto:Chantal.beaumier@ic.gc.ca">Chantal.beaumier@ic.gc.ca</a>	Jerry CONNER, USA <a href="mailto:Jerry.conner@itt.com">Jerry.conner@itt.com</a>
SGT-4	FUTURE WORK PROGRAMME AND OTHER ISSUES	1.1, 1.2, 1.19, 1.22, 2, 4, 8.1, 8.2	Carmelo RIVERA, USA <a href="mailto:Carmelo.Rivera@noaa.gov">Carmelo.Rivera@noaa.gov</a>	Hector BUDE, URUGUAY <a href="mailto:hbude@ursec.gub.uy">hbude@ursec.gub.uy</a>

Inter-American Telecommunication Commission (CITEL)

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<p><b>CITEL PCC.II Terms for WRC Proposals</b></p> <ul style="list-style-type: none"> <li>• <b>PRELIMINARY PROPOSAL (PP):</b> input WRC proposal that one or more CITEL Member State presents to PCC.II to be discussed in the WG-WRC, regarding any item on the agenda for WRC, with a view to it becoming an INTER-AMERICAN PROPOSAL.</li> <li>• <b>DRAFT INTER-AMERICAN PROPOSAL (DIAP):</b> PRELIMINARY PROPOSAL which is being considered by PCC.II, has been supported by more than one Member State, and is ready to receive support or opposition of other CITEL Member States.</li> <li>• <b>INTER-AMERICAN PROPOSAL (IAP):</b> DRAFT INTER-AMERICAN PROPOSAL, for which the PCC.II has ended its consideration, and has been supported by at least six (6) CITEL Member States and is not opposed by more than 50% (fifty percent) of the number of supports obtained</li> </ul> <p style="text-align: right;"><i>Inter-American Telecommunication Commission (CITEL)</i></p>	

## Agenda item 1.1: Deletion of country footnotes (Resolution 26)

### Preliminary Proposal – CANADA:

- **MOD** Article 5; 1300-1525 MHz
- **ADD** footnote 5.XXX *Additional allocation* in the band 1350-1400 MHz to the fixed and mobile services on a primary basis
- **MOD** Article 5; 1710-2170 MHz
- **ADD** footnote 5.YYY *Alternative allocation* in the bands 1980-2000 MHz, 2020-2025 MHz and 2160-2180 MHz to only the fixed and mobile services on a primary basis

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## Agenda item 1.2 : Resolution 951 (Rev. WRC-07)- Enhancing the international regulatory framework

### IAP – ARGENTINA, BRAZIL, CANADA, COSTA RICA, GUATEMALA, URUGUAY, VENEZUELA:

- Support enhancing the regulatory framework base on **Methods A2 and A3** of the CPM report
- Support concluding work on Agenda item at WRC-12

### DIAP – ARGENTINA, CANADA, COSTA RICA:

- To modify definitions of fixed station, fixed service, mobile station and land station – **Method A2** of the CPM report

### DIAP – COLOMBIA, USA, MEXICO:

- NOC to Volume 1 of the RR under this Agenda item – **Method A1** of the CPM report

### DIAP – BRAZIL, COLOMBIA:

- Support **Method B1** – NOC for issue B in the CPM report

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### Agenda item 1.3: Spectrum requirements for Unmanned Aircraft Systems (UAS)

#### DIAP:

- **ARGENTINA, BRAZIL, MEXICO:** Support **Method A1** of CPM report
  - **NOC** for satellite UAS
- **ARGENTINA, BRAZIL, CANADA, USA, URUGUAY:** Partial support of **Method B** of CPM report
  - **MOD** Article 5 in the band 5030-5091 MHz to add an AM(R)S allocation
- **ARGENTINA, BRAZIL, CANADA:** Partial support **Method B** of CPM report
  - **MOD** Article 5 in the band 5030-5091 MHz to add an AM(R)S allocation
  - **ADD** footnote 5.D103 to restrict usage of band by AM(R)S
- **CANADA, USA, MEXICO:** **Modify Method B** of the CPM report
  - **NOC** Article 5 in the band 5091-5150 MHz

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### Agenda item 1.3 (cont'd): Spectrum requirements for Unmanned Aircraft Systems (UAS)

#### Preliminary Proposal:

- **CANADA** – Partial support **Method B** of CPM report
  - **MOD** Article 5 to add AM(R)S allocation in 5030-5091 MHz band
  - **ADD** footnote 5.D103 limiting use by AM(R)S
- **MEXICO** - Support **Method A1** of CPM report
  - **NOC** Satellite component
- **CANADA** – **New method combining Method A3 and A4** of CPM report
  - Supports the consideration of a new method to be developed combining Methods A3 and A4 of the CPM
- **USA** - Support **Method A3** of CPM report
  - **ADD** footnotes 5.YYY and 5.ZZZ to allow satellite component
  - **ADD** Resolution [SAT-UAS-FSS] to support satellite component

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### Agenda item 1.4: Further regulatory measures for new Aeronautical Mobile Route Service AM(R)S in the bands 112- 117.975 MHz, 960-1 164 MHz, and 5 000 - 5 030 MHz

#### IAP – ARGENTINA, BRAZIL, CANADA, USA, MEXICO, URUGUAY:

- Support **Method A** of CPM report
  - (Resolution 413): **MOD** Resolution 413 to suppress “invites ITU-R 1”.
- **Partial** support of **Method C2** of the CPM report
  - (Resolution 420): **NOC** to Article 5, 5 010-5 030 MHz
- Support **Method C1** of CPM report
  - (Resolution 420): **SUP** Resolution 420

#### DIAP - ARGENTINA, BRAZIL, CANADA, MEXICO, URUGUAY:

- Support **Method B2** of CPM report
  - (Resolution 417): **MOD** Res on use of 960-1164 MHz by AM(R)S

#### DIAP – ARGENTINA, BRAZIL, MEXICO, URUGUAY:

- **Partial** support of **Method C2** of the CPM report
  - (Resolution 420): **NOC** Article 5 in the band 5000- 5010 MHz

#### DIAP - CANADA, USA:

- Support **Method C2** of the CPM report
  - (Resolution 420): **MOD Article 5** in 5000-5010 MHz ADD footnote for an AM(R)S allocation
    - **ADD** New Resolution

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### Agenda item 1.5: Res. 954 - Electronic News Gathering

#### IAP – ARGENTINA, BRAZIL, COLOMBIA, COSTA RICA, DOMINICAN REPUBLIC, EL SALVADOR, USA, GUATEMALA, MEXICO, URUGUAY, VENEZUELA:

Support **Method A** of CPM report

- **ADD** DRAFT Resolution [A105-ENG-METHA]
- **NOC** Article 5
- **SUP** Resolution 954 (WRC-07)

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### **Agenda item 1.6: Res. 950 - Update of spectrum use by passive services between 275-3000 GHz**

**IAP - ARGENTINA, BRAZIL, CANADA, COLOMBIA, COSTA RICA, DOMINICAN REPUBLIC, USA, GUATEMALA, MEXICO, URUGUAY, VENEZUELA:**

Support **only Method** of CPM report:

- Update of No.5.565:
  - ✓ to include all bands of interest to RAS, EESS (passive) and SRS (passive) in the range 275–1000 GHz
  - ✓ to indicate that all frequencies in the range 1 000-3 000 GHz may be used by both passive and active services
- Suppression of Resolution **950** (Rev. WRC-07) since work has been completed

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### **Agenda item 1.6 (cont'd) Resolution 955: Possible procedures for free-space optical links**

**IAP – ARGENTINA, BRAZIL, CANADA, COLOMBIA, COSTA RICA, DOMINICAN REPUBLIC, USA, GUATEMALA, MEXICO, PARAGUAY, URUGUAY, VENEZUELA:**

Support **only Method** of CPM report

- **NOC** to RR Volume 1
- **NOC** to RR Volume 2
- **SUP** Resolution **955 (WRC-07)**

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### Agenda item 1.7: Meet requirements for AMS(R)S, while retaining generic MSS allocation at 1525-1559 & 1626.5-1660.5 MHz

#### DIAP:

#### CANADA, [DOMINICAN REPUBLIC], USA, MEXICO:

- Support **Method D** of the CPM Report:
  - **NOC**: RR Article 5, 9 and No. 5.362A
  - **MOD**: Resolution 222 (Rev. WRC-07) – to clarify the frequency coordination procedures as well as rights and responsibility of administrations in coordination;
  - **ADD** new WRC Resolution asking ITU-R to conduct studies and develop methodology on determining AMS(R)S spectrum requirements within the bands 1 545-1 555 MHz and 1 646.5-1 656.5 MHz
  - Consequential **MOD**: No. 5.357A- date reference due to change in Res 222.

#### ARGENTINA, BRAZIL:

- Support **Method B** of the CPM Report:
  - **NOC**: RR Article 5 and 9
  - **MOD**: Resolution 222 (Rev. WRC-07)– to introduce pre-condition “consultation meeting” open to all members of ITU and ICAO

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### Agenda item 1.8: Resolutions 731 & 732 - Fixed service in the bands between 71-238 GHz

#### IAP – ARGENTINA, BRAZIL, CANADA, COSTA RICA, DOMINICAN REPUBLIC, ECUADOR, USA, MEXICO, PANAMA, URUGUAY:

Support **Method A** of CPM report

- **NOC** to Article 5
- **NOC** to Resolution 731 (WRC-2000)
- **NOC** to Resolution 732 (WRC-2000)

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### **Agenda Item 1.9: Review of AP17 in order to implement new digital technologies for the maritime mobile service**

#### **DIAP - ARGENTINA, BRAZIL, CANADA, MEXICO, URUGUAY:**

Support **(Method A1)** of the CPM report) revision of Appendix 17 to implement new digital technologies while ensuring that:

- distress and safety (GMDSS) frequencies are protected;
- provisions for radiotelephony and other designated uses are maintained as required;
- Transitional date: January 2017;
- IMO supports the idea of the creation of wide band channels within Appendix 17 for new technologies;
- frequency bands currently allocated for Morse telegraphy could be re-allocated for new technologies, while allowing Administrations to use Morse telegraphy on a non interference, no protection basis.

#### **Preliminary Proposal – USA**

Support **(Method A2)** of the CPM report) revision of Appendix 17 to implement new digital technologies while ensuring that:

- not only the core NBDP's in the GMDSS bands are protected but also other NBDP frequencies are protected for continued analogue operations.
- 3 kHz channelizing appendix 17
- Transitional date: January 2017

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### **Agenda Item 1.10: Frequency allocation requirements and regulatory provisions for operation of safety systems for ships and ports (Res. 357)**

#### **IAP – ARGENTINA, BRAZIL, CANADA, COLOMBIA, DOMINICAN REPUBLIC, USA, MEXICO, URUGUAY:**

Support **Method B, C, and D3** of CPM report

- **ADD** footnote to frequency band 156.7625 – 156.8375 indicating the use of frequency 156.775 MHz and 156.825 MHz to MSS (E-s for the reception of Automatic Identification system (AIS) emissions, using solely message 27 as specified in Rec. ITU-R M.1371.)
- Support an exclusive primary allocation in the 495 kHz - 505 kHz band to maritime mobile
- Support a co-primary allocation in the 510 kHz – 525 kHz band to maritime mobile.
- Subject to coordination with other administrations, modification of App. 18 allowing simplex use of most of the duplex channels near ports.
- Add footnote “s” to channels 24,25,26,84,85,86 of App. 18 for potential wide band data exchange system.

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### Agenda Item 1.10 (cont'd): Frequency allocation requirements and regulatory provisions for operation of safety systems for ships and ports (Res. 357)

#### IAP (cont'd) – ARGENTINA, BRAZIL, CANADA, COLOMBIA, DOMINICAN REPUBLIC, USA, MEXICO, URUGUAY:

- The channels of App. 18, with the exception of channels 06,13,15,16,17,70,75 and 76, may be used for direct-printing telegraphy and data transmission, subject to special arrangement between interested and affected administrations.
- Subject to coordination with affected administrations, implementation of 12.5 kHz channel interleaving on a non-interference basis to 25 kHz channels in accordance to recommendation ITU-R M.1084

#### DIAP – BRAZIL, CANADA

- Support **method A1** of the CPM report by adding the following footnote:  
**5.XYZ** In the bands 161.9625 – 161.9875 MHz (AIS 1) and 162.0125 – 162.0375 MHz (AIS 2), existing stations in the fixed and mobile service (except aeronautical mobile in Region 1) may continue to operate on a primary basis until 2 March 2024, subject to 5.229

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### Agenda Item 1.10 (cont'd): Frequency allocation requirements and regulatory provisions for operation of safety systems for ships and ports (Res. 357)

#### Preliminary Proposal – USA:

Support **Method A1** of CPM report

- **ADD 5.XYZ Additional allocation:** the bands 156.775 MHz and 156.825 MHz are also allocated to the Mobile-Satellite Service (Earth-to-space) for the reception of automatic identification system (AIS) emissions, using solely message 27 as specified in Recommendation ITU-R M.1371, from stations operating in the maritime-mobile service (see Appendix 18).

#### Preliminary Proposal - Canada, [USA]

Support **Method A2** of the CPM report

- **MOD 5.XYZ** The bands 156.7625 – 156.7875 MHz and 156.8125 – 156.8375 MHz are also allocated to the Mobile-Satellite Service (Earth-to-space) on a secondary basis for the reception of automatic identification system (AIS) emissions, using solely message 27 as specified in the most recent version of Recommendation ITU-R M.1371, from stations operating in the maritime-mobile service (see Appendix 18).

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**Agenda Item 1.10 (cont'd): Frequency allocation requirements and regulatory provisions for operation of safety systems for ships and ports (Res. 357)**

**Preliminary Proposal – Canada**

- Support **Method A2** of the CPM report with modifications to incorporate the allocations within the table.

**Agenda item 1.11: Primary allocation to the space research service (Earth-to-space) within the band 22.55-23.15 GHz (Res. 753)**

**IAP- ARGENTINA, BRAZIL, CANADA, CHILE, COSTA RICA, DOMINICAN REPUBLIC, ECUADOR, USA, GUATEMALA, MEXICO, URUGUAY, VENEZUELA:**

Support **only Method** of CPM report

- **MOD** Article **5** in the band 22.55-23.15 GHz to include SRS
- **ADD** footnote **5.A111**
- **MOD** Article **21** to include the frequency band 22.55-23.15 GHz so that the limits in No. **21.8** apply
- **SUP** Resolution **753 (WRC-07)**

**Agenda item 1.12: Protect primary services in the band 37-38 GHz from interference resulting from aeronautical mobile service operations in accordance with Res. 754**

**IAP – ARGENTINA, BRAZIL, CANADA, COSTA RICA, DOMINICAN REPUBLIC, ECUADOR, USA, GUATEMALA, MEXICO, URUGUAY, VENEZUELA:**

Support **Method B** of CPM report

- **MOD Article 5** to include a new footnote (No. **5.AMS**) to protect existing services by applying a power flux-density limit at the surface of the Earth on the emissions radiated by any device on an aircraft in flight or on the ground
- **ADD** footnote **5.AMS**
- **SUP** Resolution **754 (WRC-07)**

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**Agenda item 1.13: Spectrum usage of the 21.4-22 GHz band for plan BSS in Regions 1 and 3**

**IAP – ARGENTINA, BRAZIL, CANADA, CHILE, COLOMBIA, COSTA RICA, ECUADOR, EL SALVADOR, USA, GUATEMALA, MEXICO, URUGUAY, VENEZUELA:**

Support **Method C2a** of CPM report

- **MOD Article 21** adopting pfd limits to the BSS in 21.4 – 22 GHz which are only applied on territories of Region 2 countries. The proposed pfd values are the same as the values that are applied to the BSS systems that were introduced in the 21.4-22.0 GHz band prior to 1 April 2007
- **SUP** Resolution **525 (REV. WRC-07)**

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**Agenda item 1.14: Allocations or regulatory provisions  
for radiolocation service in the range 30-300 MHz**

IAP: Support **Method D** of CPM report

**ARGENTINA, BRAZIL, CANADA, USA, MEXICO, URUGUAY,  
VENEZUELA:**

- **NOC** Article 5

**ARGENTINA, BRAZIL, CANADA, COSTA RICA, DOMINICAN  
REPUBLIC, USA, MEXICO, URUGUAY, VENEZUELA:**

- **SUP** Resolution **611 (WRC-07)**

**Agenda item 1.15: Consider possible allocations in the range 3-50  
MHz to the radiolocation service for oceanographic radar  
applications**

DIAP – **BRAZIL, MEXICO:** Support **Method A** of CPM report

- **MOD** Appendix 4, Table 1
- **MOD** Article 19, specifying application of provisions in 19.51
- **MOD** Resolution **612 (WRC-07)**

**Preliminary Proposal – USA:** Support **Method A** of the CPM Report

- **MOD** Article 5 to provide primary allocation in limited bands
- ADD new Footnote: “Stations in the radiolocation service shall not cause harmful interference to, nor claim protection from, stations operating in the fixed and mobile services. Resolution 612 (Rev. WRC-12) shall apply. (WRC-12)”
- **MOD** Resolution **612 (WRC-07)**

**Agenda item 1.16: Needs of passive systems for lightning detection in MetAids, including possibility of an allocation in the range below 20 kHz**

**IAP – ARGENTINA, BRAZIL, CANADA, COSTA RICA, USA, GUATEMALA, MEXICO, URUGUAY, VENEZUELA:**

Support **only Method** of CPM report

- **MOD** Article 5 to add a MetAids primary allocation in the 8.3-11.3 kHz frequency band
- **MOD** footnote No. 5.53 - consequential
- **MOD** footnote No. 5.54 - consequential
- **ADD** footnote No. 5.C116 – to limit MetAids allocation to passive use only and under the condition that no undue constraints are placed on existing services in the 9-11.3 kHz portion of the band
- **SUP** Resolution 671 (WRC-07)

*Inter-American Telecommunication Commission (CITEL)*

**Agenda item 1.17: Sharing studies between the mobile service and other services in the band 790-862 MHz in Regions 1 and 3**

**IAP – ARGENTINA, BRAZIL, CANADA, CHILE, COLOMBIA, COSTA RICA, DOMINICAN REPUBLIC, ECUADOR, EL SALVADOR, USA, GUATEMALA, MEXICO, PANAMA, PARAGUAY, URUGUAY, VENEZUELA:**

**Do Not Support a Specific Method of the CPM report but Requires Region 2 protection**

- **NOC** in Region 2 entry for 790-890 MHz band in Article 5 of the Radio Regulations

*Inter-American Telecommunication Commission (CITEL)*

**Agenda item 1.18: Extend the existing primary and secondary RDSS (s-E) allocation at 2483.5-2500 MHz in order to make a global primary allocation**

**IAP: ARGENTINA, BRAZIL, CANADA, USA, MEXICO, URUGUAY:**

Modifies **only method** of CPM report

- CITEI countries not requesting allocation, but if allocation is made:
  - **NOC** to No. **5.398**
  - **NOC** to No. **5.402**
  - **MOD** to RR Appendix 5, Annex 1, Table 5-2 - Relaxation of the coordination trigger power flux density level by 4 dB

*Inter-American Telecommunication Commission (CITEL)*

**Agenda item 1.19: Regulatory measures related to the introduction of SDR and CRS**

**IAP – ARGENTINA, BRAZIL, CANADA, COLOMBIA, DOMINICAN REPUBLIC, USA, GUATEMALA, MEXICO, URUGUAY, VENEZUELA:**

Support **Method A and B1** of CPM report

- **NOC** to Radio Regulations Volume 1
- **NOC** to Radio Regulations Volume 2
- **NOC** to Radio Regulations Volume 4
- **SUP** Resolution **956 (WRC-07)**

*Inter-American Telecommunication Commission (CITEL)*

**Agenda item 1.20: Resolution 734 - HAPS gateway links in the range 5 850-7 075 MHz**

**IAP – ARGENTINA, BRAZIL, CANADA, CHILE, COLOMBIA, COSTA RICA, DOMINICAN REPUBLIC, USA, GUATEMALA, MEXICO, URUGUAY, VENEZUELA:**

Support **Method A** of CPM report

- **NOC** Article 5 - No additional spectrum should be identified for HAPS gateway links until it can be demonstrated that the existing identified spectrum has been put into use
- **SUP** Resolution **734 (Rev. WRC-07)**

**Agenda item 1.21: Consider a primary allocation to the radiolocation service in the band 15.4 – 15.7 GHz**

**DIAP –USA, MEXICO:**

Support **Method A** of CPM report

- **MOD** Article 5 to provide a primary allocation to the Radiolocation Service in the 15.4-15.7 GHz band
- **ADD** footnotes to protect the Aeronautical Radionavigation Service in 15.3-15.7 GHz and the radio astronomy service in 15.35-15.4 GHz

**DIAP – BRAZIL, USA, MEXICO:**

Support **Method A** of CPM report

**SUP** Resolution **614 (WRC-07)**

**Preliminary Proposal:** Support **Method D** of CPM report

**BRAZIL:** **NOC** Article 5.

**Agenda item 1.22: To examine the effect of emissions from short range devices on radiocommunication services in accordance with Res. 953**

**IAP: ARGENTINA, BRAZIL, CANADA, COLOMBIA, ECUADOR, EL SALVADOR, USA, MEXICO, URUGUAY, VENEZUELA:**

- NOC Article 5
- SUP Resolution 953 (WRC-07)

**IAP: ARGENTINA, BRAZIL, CANADA, COLOMBIA, ECUADOR, MEXICO, URUGUAY, VENEZUELA :**

Support **Method B** of CPM report

- **ADD** Draft Resolution XXX: Use of the radio-frequency spectrum by short-range devices (SRDs)

**Preliminary Proposal:**

**USA:** Consider a contribution to the RA 2012 to revise Resolution 54

**Agenda item 1.23: Secondary Allocation of about 15kHz to Amateurs in the Band 415-526.5 kHz**

**IAP: ARGENTINA, BRAZIL, CANADA, COLOMBIA, COSTA RICA, DOMINICAN REPUBLIC, EL SALVADOR, ECUADOR, USA, URUGUAY, VENEZUELA:**

Support **Method B** of CPM report

- **MOD** Article 5 to provide a secondary allocation to the Amateur Service in the 461-469 kHz and 471-478 kHz band segments
- **MOD** footnote 5.82 consequentially

**Agenda item 1.24: Expansion Non-GSO MetSat (s-E) from 7750-7850 MHz to 7850-7900 MHz**

**IAP – ARGENTINA, BRAZIL, CANADA, COLOMBIA, CHILE, COSTA RICA, DOMINICAN REPUBLIC, ECUADOR, USA, GUATEMALA, MEXICO, URUGUAY, VENEZUELA:**

Support **only Method** in CPM report

- **MOD** Article 5 to extend MetSat to 7850-7900 MHz
- **MOD** footnote 5.461B
- **MOD** Table 21-4
- **MOD** Appendix 7 Table 8c
- **SUP** Resolution 672 (WRC-07)

**Agenda item 1.25: Consider possible additional allocations to the MSS with particular focus on the bands between 4 GHz and 16 GHz**

**DIAP – BRAZIL, USA:**

Support **Method A1, B1, C1, D1, E1, and F1** of CPM report

- **NOC:** Article 5
- **SUP:** Resolution 231 (WRC-07) - dealing with additional allocations to MSS with particular focus on the bands between 4 GHz and 16 GHz.

**Preliminary Proposal – CANADA:**

- **NOC:** Article 5 band 5150-5250 MHz (Support **Method A1** of CPM report)
- **NOC:** Article 5 band 7055-7250 MHz (Support **Method B1** of CPM report)
- **NOC:** Article 5 band 8400-8500 MHz (Support **Method C1** of CPM report)
- **NOC:** Article 5 band 10.5-10.6 GHz (Support **Method D1** of CPM report)
- Continue studies for 13 and 15 GHz bands

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

### **DIAP – ARGENTINA, CANADA, ECUADOR, USA, MEXICO:**

#### **Consistent with issue raised under this agenda item**

- Modify Resolution **27 (Rev.WRC-07)** to provide a mechanism for including, in the Table of Contents of future editions of Volume 4 of the Radio Regulations, a cross reference list of provisions which incorporate by reference ITU-R Recommendations

### **DIAP –CANADA, ECUADOR, USA:**

#### **Consistent with issue raised under this agenda item**

- Modify numerous provisions in the RR to update the corresponding references to reflect the revised and approved version of the concerned ITU-R Recommendation (i.e. mandatory incorporation by reference)
- Clarify certain provisions as to their status or to remove any ambiguity in their reference to ITU-R Recommendations

*Inter-American Telecommunication Commission (CITEL)*

## **Agenda item 4: Review of Resolutions and Recommendations (Resolution 95)**

### **Preliminary Proposals:**

- Proposals for action (NOC, SUP and MOD) on WARC/WRC Resolutions and Recommendations from various administrations in response to Resolution 95 (Rev. WRC-07)
- Specific proposal to MOD Res 223, 646, 674, and 734, MOD Rec 206, ADD new resolution to replace Res 149. and ADD new resolution in conjunction with NOC Res 906.

### **Preliminary view:**

- CITEL administrations are expected to review the Resolutions and Recommendations of previous conferences, as well as the Report from the Director of the BR, in preparation of their proposals to the next CPM and WRC, as appropriate.

*Inter-American Telecommunication Commission (CITEL)*

### **Agenda item 7: Changes in response to Resolution 86 (Rev. Marrakesh, 2002)**

**Issue 1A:** New Appendix 4 data item for NGSO satellite systems in bands other than those where epfd limits are specified in Article 22

**DIAP – BRAZIL, CANADA, USA, URUGUAY:**

Support **the only method** of CPM report for this issue

- modify Appendix 4 to include a data item providing the minimum altitude of the space station above the surface of the Earth at which any satellite transmits for NGSO systems not operating in bands subject to RR Article 22 epfd limits in the following situations:
  - Advance publication of a non-GSO system not subject to coordination;
  - Notification or coordination of non-GSO systems subject to coordination.

*Inter-American Telecommunication Commission (CITEL)*

### **Agenda item 7 (cont'd): Changes in response to Res. 86**

**Issue 1B:** Addition of a data item in Appendix 4 about occurrence of transmissions of an NGSO satellite network

**Preliminary Proposal – USA:**

- **MOD APP.4** consistent with **Method A**, Alternative 1 in CPM Report

**Preliminary Proposal – CANADA:**

- **MOD APP.4** consistent with **Method A**, Alternative 2 in CPM Report

*Inter-American Telecommunication Commission (CITEL)*

## Agenda item 7 (cont'd): Changes in response to Res. 86

**Issue 1C:** Footnote 2 to Tables A, B, C and D of Annex 2 of RR Appendix 4

### Preliminary Proposal – CANADA:

Support **Method A** of the CPM Report

- **MOD APP.4**, Footnote 2 to Tables A, B, C and D of Annex 2 to effect alignment with updated calculations provided in a revised version of Recommendation ITU-R SF.675 and to avoid the ambiguity that could lead to either under-estimation, or over-estimation, of the maximum power density of carriers
- proposed modifications are conditional upon the approval of the revision to Recommendation ITU-R SF.675 which is expected to be completed before WRC-12.

*Inter-American Telecommunication Commission (CITEL)*

## Agenda item 7 (cont'd): Changes in response to Res. 86

**Issue 1D:** Steerable beams and antenna gain contour covering area beyond submitted service area (Annex 2 to Appendix 4 of the RR)

**Preliminary Proposal – CANADA:** Support **Method A** of the CPM Report

- NOC – Appendix 4
- no change is proposed in view of the difficulties and ambiguity of this issue, but further studies are required in order to provide clear and workable method(s) to address this issue.

*Inter-American Telecommunication Commission (CITEL)*

## Agenda item 7 (cont'd): Changes in response to Res. 86

**Issue 1E:** Addition of a data item in Appendix 4 of the Radio Regulations for antenna dimension aligned with the geostationary arc

**Preliminary Proposal – CANADA:** Support **only Method** of the CPM Report **with modification**

- Modify Appendix 4 to include data items which will allow the antenna pattern in Recommendation ITU-R S.1855 to be implemented in BR's Reference Antenna Pattern library so that the antenna gain in the direction of interference (caused or received) can be calculated.
- the nature of the modification from the CPM Report is to correct the placement of the data items in Annex 2 of Appendix 4

*Inter-American Telecommunication Commission (CITEL)*

## Agenda item 7 (cont'd): Changes in response to Resolution 86 (Rev. Marrakesh, 2002)

**Issue 2A:** Coordination Arc

**DIAP – [ARGENTINA], [CANADA], USA:**

Support **Method A** of CPM report

- **MOD** Appendix 5 - coordination arc applicable to FSS geostationary satellite networks in certain congested frequency bands is reduced from 10° to 6° in 4/6 GHz and from 9° to 5° in 10/11/12/14 GHz

**DIAP - ARGENTINA, CANADA, USA:**

Not considered as part of CPM report

- **ADD** New Resolution to determine:
  - if the proposed changes, once implemented, fully satisfy the issue/concern; and
  - whether additional modifications may be needed under this issue at a subsequent conference

*Inter-American Telecommunication Commission (CITEL)*

### Agenda item 7 (cont'd): Changes in response to Resolution 86 (Rev. Marrakesh, 2002)

**Issue 2B:** Application of Nos. 9.51 and 9.52 with respect to coordination under No. 9.7

**DIAP – BRAZIL, CANADA, USA, URUGUAY, VENEZUELA:**

Support **Method B** of CPM report *with modification*

- **NOC** No. 9.51
- **MOD** No. 9.52 to introduce new footnote No. 9.52.1
- **ADD** No. 9.52.1 which removes the mandatory nature of making comments under No. 9.52 for the coordination category of No. 9.7 (GSO/GSO)
- **MOD** No. 9.60 – consequential change to **MOD** No. 9.52

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### Agenda item 7 (cont'd): Changes in response to Res. 86

**Issue 2C:** List of networks with which coordination needs to be effected  
(No. 9.36)

**DIAP – BRAZIL, CANADA, VENEZUELA:**

Support **Method A** of CPM report

- **NOC** – Article 9, in particular **NOC** – Nos. 9.36, 9.36.2, 9.41

**Preliminary Proposal – USA:** Support **Method B** of CPM report *with modification*

- **MOD** Nos. 9.36.2, 9.41 and 9.42 - List of networks identified under No. 9.36.2 with respect to coordination under No. 9.7 would be considered provisional instead of “for information only”.
- **ADD** Nos. 9.41A, 9.42.1 and 9.43A
- **MOD** Table 5-1 of Appendix 5 - Addition of a reference to the new No. 9.41A which allows those administrations already identified as affected administration under No. 9.36 to add networks outside the coordination arc, provided the trigger level of  $\Delta T/T$  is exceeded for these networks.

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### Agenda item 7 (cont'd): Changes in response to Res. 86

**Issue 2D:** Review of the bands listed in Table 5-1 of Appendix 5 for Nos. 9.11 and 9.19

**DIAP – BRAZIL, CANADA, USA:**

Support **only Method** of CPM report **with modification**

- **MOD AP5**, Table 5-1, rows for Nos. 9.11 and 9.19 to:
  - remove the inter-dependency between the rows for No. 9.11 and No. 9.19 as the two provisions address somewhat different scenarios;
  - add clarifications against allocations to layout regional differences or allocations by footnote;
  - add missing BSS allocations (e.g., 40.5-42.5 GHz);
  - remove the reference to the 40 GHz BSS allocation under No. 9.11 because limits are already applied to that allocation through Article 21; and,
  - **Not consistent with the Method of CPM report**, remove the 21.4-22 GHz band from the No. 9.11 table entry because CITEL has a proposal under Agenda item 1.13 for hard limits for BSS under Article 21.

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### Agenda item 7 (cont'd): Changes in response to Res. 86

**Issue 2E:** Modification to API of a satellite network or system not subject to coordination

**DIAP – BRAZIL, CANADA, USA:** Support **Method B** of CPM report

- **MOD 9.2** so that a new advance publication would also be required when certain parameters of satellite networks filings not subject to coordination are modified.
- Allows administrations have the possibility to comment under No. 9.3 if changes to a satellite network are likely to affect their space services

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## Agenda item 7 (cont'd): Changes in response to Res. 86

**Issue 2F:** Removal of 6 month waiting period between the submission of API and coordination information (No. 9.1)

### DIAP – BRAZIL, CANADA, USA, VENEZUELA:

Issue not covered by CPM report

- **MOD 9.1** to address the unnecessary requirement for the Radiocommunications Bureau to wait six months after receipt of the advanced publication information before receiving the coordination request information for satellite networks requiring coordination under Section II of Article 9

## Agenda item 7 (cont'd): Changes in response to Resolution 86 (Rev. Marrakesh, 2002)

**Issue 3A:** Application of No. 11.41 and No. 11.42 (Provisional/definitive recording of frequency assignments)

**Preliminary Proposal – CANADA:** Support elements of several Methods proposed in CPM Report

- Proposes changes to No. 11.41 to emphasize that **Article 9** procedures should be actively pursued before invoking this provision.
- Proposes changes to No. 11.42 to specify that claims of harmful interference are to be reported following the format of Appendix 10. The BR would investigate and confirm the validity of any claim of harmful interference.
- Proposes the addition of two provisions to address harmful interference claims caused by assignments provisionally or definitively recorded in the Master Register.

**Preliminary Proposal – USA:** Support **Method C** of the CPM Report

- Proposes changes to No. 11.42 to clarify that the harmful interference situations addressed in No. 11.41 should be addressed following the format prescribed in Appendix 10 of the Radio Regulations.
- Proposes the addition of a new provision stating that the BR shall cancel the provisional entry if harmful interference is not resolved.

**Preliminary Proposal – VENEZUELA:** Support **Method C** of the CPM Report **with modification**

- Proposes changes to No. 11.42 to clarify that the harmful interference situations addressed in No. 11.41 should be addressed following the format prescribed in Appendix 10 of the Radio Regulations.
- Proposes the addition of a new provision that the BR shall prepare a report for consideration by the Board. The assignments recorded under No. 11.41 shall be maintained until interference is resolved.

## Agenda item 7 (cont'd): Changes in response to Res. 86

**Issue 3B:** Status of frequency assignments initially recorded under No. 11.41 in cases where the required coordinations are completed after the assignments are recorded in the MIFR

**Preliminary Proposal – CANADA:** a different approach to the 3 Methods in the CPM Report

- NOC to Nos. 11.41A and 11.43C
- MOD No. 11.41 to introduce a new footnote, No. 11.41.2, to clarify that an administration may request, under Article 14, the review of findings of assignments already recorded (provisional or definitive) under No. 11.41, including the removal of the reference to No. 11.41 in cases where the required coordination is completed

**Preliminary Proposal – USA:** Support **Method A** of the CPM Report

- MOD No. 11.41A to ensure that the BR considers the status of an assignment initially recorded under No. 11.41 as equal to the status of the existing assignment, which was the basis for the unfavorable findings under No. 11.32A, if coordination is completed with respect to that existing assignment after the BR initially recorded the assignment in the MIFR.

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## Agenda item 7 (cont'd): Changes in response to Res. 86

**Issue 4C:** Modifications to No. 11.49 to clarify when an administration must inform the Bureau of a suspended network

**Preliminary Proposal – USA:**

Support **Method A** of the CPM Report **with modification**

- MOD No. 11.49 to establish a six-month period for the administration to notify the Bureau of the network's suspension and clarify when an administration needs to inform the Bureau that the network has been brought back into use

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## **Agenda item 7 (cont'd): Changes in response to Resolution 86 (Rev. Marrakesh, 2002)**

**Issue 4G:** Bringing into use date (No. 11.47)

### **Preliminary Proposal – USA:**

**Issue not covered in CPM report**

- **ADD** new WRC Resolution that would improve administrations' access to orbital resources by:
  - providing transparency to the notification process for satellite networks;
  - making information on frequencies actually being used more readily available.

## **Agenda item 7 (cont'd): Changes in response to Res. 86**

**Issue 4H:** Modifications to No. 13.6 to clarify the BR actions before cancelling a network and the subsequent RRB confirmation

### **DIAP – BRAZIL, CANADA, USA, VENEZUELA:**

**Issue not covered in CPM report**

- **MOD 13.6** to clarify the BR's actions with respect to No. 13.6 for requesting clarification from administrations before network cancellation and to clarify the RRB's role in confirming any network cancellations

## **Agenda item 7 (cont'd): Changes in response to Resolution 86 (Rev. Marrakesh, 2002)**

**Issue 6C:** Nos. **23.13**, **23.13A**, **23.13B** and **23.13C** of the Radio Regulations.

**IAP – BRAZIL, CANADA, DOMINICAN REPUBLIC, USA, MEXICO,  
URUGUAY:**

No methods identified with this issue

- **NOC**: No. **23.13**
- **NOC**: No. **23.13A**
- **NOC**: No. **23.13B**
- **NOC**: No. **23.13C**

(Note: This IAP represents a CITELE position at this time and will not be submitted to the Conference unless there are proposals from other administrations to modify Article **23**)

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## **Agenda item 8.1.1, Issue A – Protection of radiocommunication services against ISM interference**

### **Issues**

- Protection of radiocommunication services against ISM equipment interference.

### **Preliminary views:**

- The guideline in the International Special Committee on Radio Interference Publication 11 (CISPR 11) emission limits for ISM equipment are considered satisfactory in the ISM band
- One administration supports the continued development of limits for bands not yet covered by CISPR 11

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### **Agenda item 8.1.1 (cont'd), Issue C – Radiocommunications use for Earth observation applications Res. 673 (WRC-07)**

**Issues:** Concerns about long-term availability of spectrum used for Earth observation activities

**Preliminary Proposals:**

- **CANADA**
  - **ADD Article 29bis in Volume 1 of RR pointing to Resolution 673 (WRC-07)**
  - **MOD Resolution 673 (WRC-07)** to provide recognition on the use of frequency bands by Earth observation related radio services
- **USA**
  - **NOC Articles 4 & 5**
  - **MOD Resolution 673 (WRC-07)** to increase the recognition of the importance of radio spectrum use by Earth observation applications noting the results of the ITU-R and ITU-D studies, which led to approval of relevant recommendations and reports

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### **Agenda item 8.1.2 – Difficulties and inconsistencies encountered in the application of the Radio Regulations**

**Issues:** Consider options to resolve the difficulties or inconsistencies encountered in the application of the RR

**IAP – ARGENTINA, BRAZIL, CANADA, USA, GUATEMALA, MEXICO,  
URUGUAY, VENEZUELA:**

- Changes to No **5.388** to remain consistent with Resolution 212 (WRC-07).
- Changes to No **5.388A** to remain consistent with Resolution 221 (WRC-07).
- Changes to No **5.388B** to remain consistent with No. 5.388A and Resolution **221 (WRC-07)**.
- Changes to No **11.26A** to remain consistent with No. 5.388A and Resolution **221 (WRC-07)**.
- Changes to NOTE 3 in Table 5-2 (Annex 1 of Appendix 5) to reflect the action taken at WRC-07 changing IMT-2000 to IMT as the root name for IMT-2000 and IMT-Advanced in line with Res. ITU-R 56.

**DIAP – CANADA, VENEZUELA:**

- Inconsistency in the text of No. **5.389B** in the six official languages of the Union

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### **Agenda item 8.1.3 – On action in response to Res. 80 (Rev.WRC-07)**

#### **Preliminary view - BRAZIL:**

- Will review relevant Recommendations, Reports and contributions to identify possible actions
- Is of the opinion that administrations should draft new recommendations on use of new modulation techniques and advanced antenna technologies in future satellite networks

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### **Agenda item 8.2 – Agenda items for Future Conferences**

#### **IAP – ARGENTINA, BRAZIL, CANADA, COSTA RICA, EL SALVADOR, USA, GUATEMALA, URUGUAY, VENEZUELA:**

- **ADD 2.WAIC** to consider spectrum requirements and possible regulatory actions, including allocations, to support wireless avionics intra-communications (WAIC) systems, based on ITU-R studies in accordance with Resolution [WAIC-X] (WRC-12)

#### **IAP - ARGENTINA, BRAZIL, CANADA, COSTA RICA, DOMINICAN REPUBLIC, GUATEMALA , MEXICO, URUGUAY, VENEZUELA:**

- **ADD 2.3** to consider spectrum requirements and possible regulatory actions, including additional spectrum allocations to the mobile service on a primary basis to accommodate the development of IMT and other mobile broadband applications and technologies, taking into account the results of ITU-R studies, in accordance with Resolution [XXX] (WRC-12).

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## Agenda item 8.2 – Agenda items for Future Conferences

### DIAP – CANADA, USA:

- **NOC** to Resolution **806** (WRC-07), Preliminary agenda for the 2015 World Radiocommunication Conference, in regards to item 2.2. Review the use of the band 5 091-5 150 MHz by the fixed-satellite service (Earth-to-space)

### DIAP – [CANADA], COLOMBIA, USA, URUGUAY:

- **2.BB** to review ITU-R studies on sharing between potential Earth exploration-satellite service (EESS) uplinks and existing services in the band 7 190 – 7 235 MHz, with the view to providing a primary allocation for the EESS (Earth-to-space) in the 7 190 – 7 235 MHz band, in accordance with Resolution [YYY] (WRC-12)

### DIAP – CANADA, [USA], URUGUAY:

- Canada proposes that WRC-12 suppresses Resolution **806** (WRC-07) and adopts Resolution [WRC-15 AGENDA] as the basis for the agenda for WRC 15 for adoption by the Council.

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## Agenda item 8.2 – Agenda items for Future Conferences

### Preliminary Proposals:

**USA - 2.XYZ** to consider regulatory changes to support implementation of e- Navigation within the maritime mobile service and any possible regulatory action, as necessary, to support GMDSS modernization in accordance with Resolution **XYZ** (WRC-12)

**USA - 2.XYZ** to consider the spectrum requirements and possible regulatory actions, including additional allocations to the mobile service on a primary basis to accommodate the development of broadband systems, including IMT, based on the results of ITU-R studies, in accordance with Resolution [BROADBAND] (WRC-12) including fixed point-to-area applications

**BRAZIL - 2.X** to consider possible additional allocations to the fixed-satellite service (Earth-to-space) of 200 MHz in Region 2 in parts of the band 10-16 GHz, taking into account the results of ITU-R studies, in accordance with Resolution YYY (WRC-12).

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## Agenda item 8.2 – Agenda items for Future Conferences

### Preliminary Proposals:

**CANADA** - To examine the spectrum requirements and any associated regulatory provisions for maritime mobile service and mobile-satellite service in support of new AIS applications, in accordance with Resolution [AIS] (WRC-12)

**BRAZIL - 2.X** to consider spectrum requirements and possible additional spectrum allocation to the mobile-satellite service for identification to the satellite component of IMT, taking into account the results of ITU-R studies

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## Complete documents may be found at:

<http://portal.oas.org/Portal/Topic/CITEL/Estructura/CCPII/WRC12/tabid/1876/Default.aspx>

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**Thank you very much for your attention**

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