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3rd ITU INTER-REGIONAL WORKSHOP ON WRC-15 PREPARATION (Geneva, 1 – 3 September 2015)

Panel Session 10

WRC-15 Agenda Item 10

Possible Future Agenda Items

DANIEL OBAM

AI 10 – Next WRC Agenda

WRC-12 ***resolves*** … 10) to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, in accordance with Article 7 of the Convention,

- **Preliminary agenda items in Res. 808 (WRC-12)**

2.1 to consider regulatory actions, including spectrum allocations, to support GMDSS modernization and implementation of e-navigation in accordance with Resolution **359 (WRC-12)**;

2.2 to consider the appropriate regulatory procedures for notifying satellite networks needed to facilitate the deployment and operation of nanosatellites and picosatellites, in accordance with Resolution **757 (WRC-12)**;

- **Principles** for establishing **WRC agendas** in **Res. 804** (Rev. WRC-12) includes also a **Template for the submission** of proposals for agenda items

- **Contributions on AI 10 to CPM15-2 were referred to in the CPM Report for information only** (see Res. ITU-R 2-6)

MOBILE and IMT

- IMT above 6 GHz:
  - Consideration of spectrum requirements and potential identification for the terrestrial component of IMT to facilitate mobile broadband applications in specific frequency ranges within [6-100 GHz]

Note: For this possible future AI, have a resolution to conduct and complete in time for WRC-19, the appropriate sharing and compatibility studies, taking into account the protection of existing services

MOBILE and AMATEUR

- Spectrum sharing technologies, additional in-band sharing mechanisms or mitigation techniques that could be applied to Wireless Access Systems(WAS) including radio local area networks in the 5 GHz range
- Allocation to the amateur service in the frequency band 1800-2000 kHz
- A primary allocation to the amateur and amateur satellite service in the frequency band 47 – 68 MHz
- Additional Allocation for Amateur service on secondary basis in the band 50 – 54 MHz.

FIXED and MOBILE

- Allocation of frequency bands [above 275 GHz]/ [in the frequency range 275-1 000 GHz] to the land mobile and fixed services whilst ensuring the appropriate protection of the frequency bands used by passive services identified by RR No. 5.565 based on the results of ITU-R studies regarding sharing and compatibility between passive and active services as well as spectrum requirements for those active services

- Consider, on the basis of ITU-R studies, appropriate regulatory actions, and identifying additional frequency ranges (including any appropriate regulatory and technical conditions) for use by HAPS, within existing fixed service allocations.

MOBILE and OTHERS

- Consider spectrum related matters and possible regulatory actions for Intelligent Transport Systems (ITS) applications, taking into account the results of ITU-R studies
- Consider spectrum related matters and possible regulatory actions to support the next generation radiocommunication systems between train and tracksides
- Consider spectrum related matters and regulatory actions to support wireless power transmission (WPT) taking into account the results of ITU-R studies

SCIENCE SERVICES

- Establishment of power limits within MSS, MetSat or EESS in the 401-403 MHz and 399.9-400.05 MHz frequency bands below 1 GHz
- Review the allocations to the MetSat in the 460-470 MHz band with a view to upgrade the secondary MetSat allocation to primary status while protecting the existing primary FS and MS in the band
- Allocation to the space operation service in the range 137MHz – 960MHz to accommodate the growing number of small non-GSO satellites

SATELLITE SERVICE 1/2

- Additional primary allocation to the FSS (E-s) in the frequency band 51.4-52.4 GHz and regulatory framework related to non-GSO FSS systems in the range 37.5-52.4 GHz
- Use of the frequency bands 17.7-19.7 GHz and 27.5-29.5 GHz by earth stations on mobile platforms communicating with geostationary space stations in the FSS
- Consider spectrum requirements for the development of the FSS and possible regulatory actions, including possible additional spectrum allocations in these bands (32.3-33 and 37.5-39.5 GHz) to the FSS for both GSO and non-GSO orbit use, taking into account existing services and the results of ITU-R studies
- Modifications to Regulatory provisions related to notifying the satellite networks for nano-satellites and pico-satellites as per Res. 757 (WRC-12)

SATELLITE SERVICE 2/2

- Non-geostationary Satellites (NGSOs) in the V band
  - Eliminate the regulatory uncertainty inherent in the application of No. 22.2 to NGSO satellite systems operating in the FSS frequency bands (V-band) and the absence of coordination conditions applicable to such systems in these bands.
- Review the need for the orbital position limitations on modifications to the BSS Plans and List contained in Annex 7 to RR Appendix 30, conduct the necessary studies and consider possible modifications to Annex 7 to RR Appendix 30
- [7] Consider possible changes in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference: "Advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks", in accordance with Resolution 86 (Rev.WRC 07);

MARITIME SERVICES

- Consider regulatory actions, including spectrum allocations, to support GMDSS modernization and implementation of e-navigation in accordance with Resolution 359 (Rev. WRC-15)

- Consider possible frequency requirement and regulatory procedures for protecting the automatic identification system (AIS) and supporting novel devices using AIS technology

AERONAUTICAL SERVICES

- Possible regulatory actions for the development and implementation of the Global Aeronautical Distress and Safety System (GADSS).
  - Consider regulatory provisions to facilitate the introduction of GADSS in aeronautical services bands

Other Standing Items 1/3

- [2] Examine the revised ITU R Recommendations incorporated by reference in the Radio Regulations communicated by the RA, in accordance with Res. 28 (Rev.WRC 03), and to decide whether or not to update the corresponding references in the RR, in accordance with the principles contained in Annex 1 to Res. 27 (Rev.WRC 07)

- [3] Consider such consequential changes and amendments to the Radio Regulations as may be necessitated by the decisions of the Conference

Other Standing Items 2/3

- [4] In accordance with Res. 95 (Rev.WRC 07), to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation
- [5] Review, and take appropriate action on the Report from the RA submitted in accordance with Nos. 135 and 136 of the Convention;
- [6] Identify those items requiring urgent action by the Radiocommunication Study Groups in preparation for the next world radiocommunication conference
- [8] Consider and take appropriate action on requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, taking into account Resolution 26 (Rev.WRC 07);

Other Standing Items 3/3

- [9] In accordance with Article 7 of the Convention consider and approve the Report of the Director of the BR:

  [9.1] on activities of the Radiocommunication Sector since WRC-15;

  [9.2] on any difficulties or inconsistencies encountered in the application of the Radio Regulations; and

  [9.3] on action in response to Res. 80 (Rev.WRC-07).

- [10] recommend to Council items for inclusion in the agenda for next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, in accordance with Article 7 of the Convention

SCIENCE SERVICE for WRC-[23]

- Review the Table of Frequency Allocations with a view towards modifications to support the allocation of Earth exploration-satellite (active) service in the 40-50 MHz frequency range

- Review the results of studies relating to the technical and operational characteristics, spectrum requirements and appropriate radio service designations for space weather sensors with a view to providing appropriate recognition and protection in the Radio Regulations without placing additional constraints on incumbent services;

- Space weather sensors
  - To provide recognition and protection of space weather sensors in the Radio Regulations.