

ITUEvents

3rd ITU Inter-regional Workshop on WRC-23 Preparation

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#ITUWRC**

Section 7

**WRC-23 Agenda Item
1.11 Issue C**

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WRC-23 Agenda Item 1.11

- *to consider possible regulatory actions to support the modernization of the Global Maritime Distress and Safety System and the implementation of e-navigation, in accordance with Resolution **361 (Rev.WRC-19)**;*
- *resolves to invite the 2023 World Radiocommunication Conference,*
 - 3) to consider regulatory provisions, if any, based on the results of ITU-R studies, referred to in invites ITU-R below, to support the introduction of additional satellite systems into the GMDSS

WRC-23 Agenda Item 1.11

- IMO action
 - The IMO's Maritime Safety Committee (MSC) in resolution MSC.529(106), has "*recognized the maritime mobile satellite services provided by CTTIC through BDMSS*", limited to the coverage area within 75° E to 135° E longitude and 10° N to 55° N latitude which partly overlaps Regions 1 and 3, "*for use in the GMDSS*".
 - The IMO MSC also noted "*the commitment of China and CTTIC to addressing any outstanding implementation issues, including those listed in NCSR 9/WP.5, Annex 2, Appendix 2, before the commencement of services*", including the following outstanding implementation issue within the purview of ITU:
 - "*6. WRC-23 to complete the necessary regulatory actions to safeguard the availability and full protection of the spectrum used for BDMSS (e.g. solving the issue of frequency coordination with other systems and inclusion of the frequencies used by BDMSS in Appendix **15** of the ITU Radio Regulations)*".

Methods proposed in CPM Report

- **Four Methods proposed:**
- **Method C1:** No change to the RR except suppression of *resolves* 3, Resolution **361 (Rev.WRC-19)**;
- **Method C2:** Identify spectrum for GMDSS if the candidate GSO MSS system/network has been completely coordinated in accordance with Articles **9** and **11** of the Radio Regulations and recorded in the MIFR in accordance with RR No. **11.37**. Coordination is an outstanding implementation issue that needs to be effected before the commencement of GMDSS services. There are two options associated with the method in relation to the applicability of RR No. **4.10** to GMDSS.
- **Method C3:** Support the requirement of safety of life aspects by the GMDSS and implement applicable provisions of the Radio Regulations, including applicability of RR No. 4.10 to the specific frequency bands used by the additional MSS system for GMDSS. This method proposes an associated new Resolution.
- **Method C4:** Identify spectrum for GMDSS if the candidate GSO MSS system/network has been completely coordinated in accordance with Articles 9 and 11 of the Radio Regulations and recorded in the MIFR in accordance with RR No. 11.37. Coordination is an outstanding implementation issue that needs to be effected before the commencement of GMDSS services. Apply RR No. 4.10 to the concrete frequency bands used by the new MSS system for GMDSS.

WRC-23 Agenda Item 1.11 Issue C

Preliminary APT Common Proposals

- No PACP
- Discussion in APT
 - APT members noted the efforts already made on the frequency issues, and the GSO MSS system will continue to make utmost effort to resolve all the pending frequency issues before the commencement of GMDSS services.
 - APT members encourage all parties concerned to work cooperatively to ensure that the requirements of the ITU Radio Regulations, including Articles 9 and 15, are met in order to permit the introduction of a new GMDSS operator in our region.
 - There are some supports to the introduction of additional satellite systems into the GMDSS, provided that coordination and notification in accordance with the relevant and applicable provisions of Articles 9 and 11 together of the Radio Regulations and associated Rules of Procedure need to be completed in order to protect services to which the bands are currently allocated. Also any satellite network/ system (GSO/ Non- GSO) to provide GMDSS function needs to complete relevant coordination.

WRC-23 Agenda Item 1.11 Issue C ASMG preliminary position

- No Proposal

WRC-23 Agenda Item 1.11 Issue C

ATU Common position

- APM23-4 agreed to:
 - Part 1: Common position:
 - Support Method C3
 - Some administrations are of the view on if it is a prerequisite for making changes to the Radio Regulations that the completion of coordination and notification of the new proposed GMDSS system, in accordance with Articles 9 and 11 of the RR, is a prerequisite for making changes to the Radio Regulations
 - Part 2: Way forward
 - Request ATU administrations to Support the AfCP under this agenda item.

WRC-23 Agenda Item 1.11 Issue C

CEPT position

- CEPT does not support the introduction of the satellite system BEIDOU in the Radio Regulations in order to be part of the GMDSS, even if the IMO has recognized the BEIDOU Message Service System as a GMDSS service provider. The reasons are the lack of justification of the frequency requirement, the incompatibility with the current usage of the 1610-1626.5 MHz and 2483.5-2500 MHz bands in which BEIDOU would like to operate and the non-achievement of the frequency coordination with the other MSS systems present in these frequency bands.

WRC-23 Agenda Item 1.11 Issue C

CITEL proposals

- proposal on consideration of additional GSO MSS system to provide sub-regional GMDSS is in accordance with the CPM Report Method C1
 - NOC - in accordance with Method C1:
 - the additional GSO MSS system has not coordinated its satellite frequencies for provision of GMDSS safety services with other satellite systems already providing safety services.
 - IMO approval of the GSO MSS system is conditional on a number of elements, including completion of spectrum coordination requirements before commencement of GMDSS service.
 - Spectrum requirements for provision of the GMDSS is not studied.

WRC-23 Agenda Item 1.11 Issue C

RCC position

- The RCC Administrations are of the view that, when solving Problem C, the decisions of the International Maritime Organization (IMO) on the GMDSS should be taken into account, as well as the real requirements for frequency bands for GMDSS satellite systems. The RCC Administrations believe that the GMDSS international system can be implemented on the basis of global and regional satellite systems that meet the requirements faced at GMDSS, and use standardized and affordable equipment installed on ships.
- The RCC Administrations are of the view that, according to the ITU-R studies, the use of specific frequencies for new GMDSS satellite networks/systems is acceptable in accordance with the Method C4 of the CPM Report.

Summary of Regional Groups Proposals

Regional Groups	Position, Views or Proposals
APT	achieved common view. No proposal.
ASMG	No proposal.
ATU	Support Method C3.
CEPT	Not support the introduction.
CITEL	Method C1.
RCC	the decisions of IMO on GMDSS and the real requirements for frequency bands for GMDSS satellite systems should be taken into account. the use of specific frequencies for new GMDSS satellite networks is acceptable in accordance with the Method C4.

Discussions/Questions

- the relationship between
 - the completion of coordination and notification of the new proposed GMDSS system, in accordance with Articles 9 and 11 of the RR, before WRC-23and
 - to make changes to the Radio Regulations to satisfy the requirement of introduction of new GMDSS satellite networks.
- spectrum requirement for GMDSS service