



International Committee on
Global Navigation Satellite Systems



ITUWRC
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Key Results of RNSS Related Agenda Items at WRC-19

The Fourteenth Meeting of ICG
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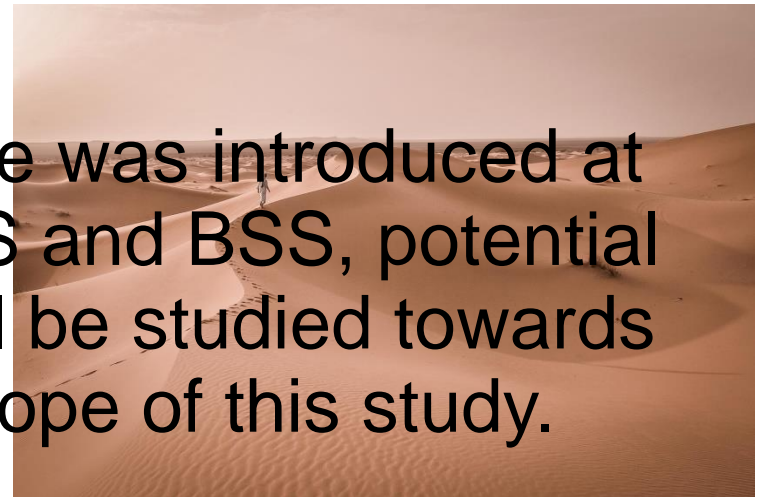
RR and WRC

- The Radio Regulations (RR) – International treaty material which forms Administrative Regulations. All the national administrations are obligated to incorporate the content of RR into their national regulations. RR contains two main concepts:
 - 1) Frequency *allocations* to define *radio services*,
 - 2) Mandatory and voluntary *regulatory procedures*
- WRC (World Radiocommunication Conference)- Review and Revise RR if necessary, held every three to four years, the latest was in 2019 (WRC-19)



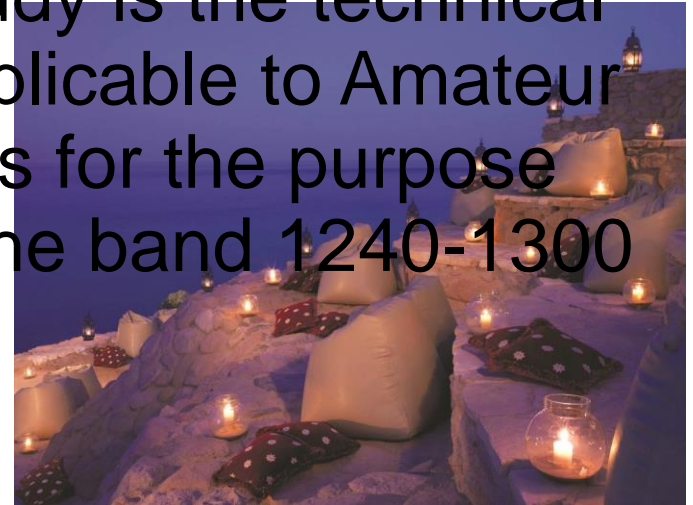
Key Results of WRC-19 (1 of 2)

- Agenda item 7 (Review of Satellite Coordination Procedure: Issue A, Definition of BIU (Bringing into Use) of non-geostationary satellite systems
 - Continuous period for BIU:
90 days continuous period requirement for BIU is decided to be added to only FSS, MSS and BSS. Thus, RNSS is exempt from 90 days requirement.
 - Orbit parameter tolerance:
No orbit parameter tolerance was introduced at WRC-19. But, for FSS, MSS and BSS, potential introduction of tolerance will be studied towards WRC-23. RNSS is out of scope of this study.



Key Results of WRC-19 (2 of 3)

- Agenda item 10 (Future WRC Agenda Items): Among many proposals, the followings were relevant to RNSS;
 - Protection of RNSS in the band 1240-1300 MHz from Amateur and Amateur Satellite Services is decided to be studied under WRC-23 agenda item 9.1. The scope of this study is the technical and operational measures applicable to Amateur and Amateur Satellite Services for the purpose of the protection of RNSS in the band 1240-1300 MHz.



Key Results of WRC-19 (3 of 3)

- Agenda item 10 (Future WRC Agenda Items) (continued):
 - New Mobile Service Allocation in the band 1300-1350 MHz: This was decided to be one of WRC-2027 provisional agenda items. RNSS community may need to be prepared for upcoming ITU-R studies, which will start from 2020.
 - Space Weather: This was decided to be included in WRC-23 agenda item 9.1. Since some RNSS receivers are used as monitoring stations for Space Weather, it is desirable to work on the regulatory protection of such monitoring stations.



Summary

- The result of WRC-19 did not affect the RNSS related regulations. RNSS can continue to enjoy the current regulatory framework (no requirement for continuous period for BIU and no tolerance limitation of operational orbit parameters).
- The next WRC (WRC-23) will discuss the protection of RNSS such as the protection from Amateur and Amateur Services in the band 1240-1300 MHz and regulatory protection of space weather monitoring stations using RNSS receivers.

