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| A close up of a sign  Description automatically generated | **World Radiocommunication Conference (WRC-23)Dubai, 20 November - 15 December 2023** |  |
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| PLENARY MEETING | **Addendum 17 toDocument 85-E** |
|  | **22 October 2023** |
|  | **Original: Russian** |
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| Regional Commonwealth in the field of Communications Common Proposals |
| proposals for the work of the conference |
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| Agenda item 1.17 |

1.17 to determine and carry out, on the basis of ITU‑R studies in accordance with Resolution **773 (WRC‑19)**, the appropriate regulatory actions for the provision of inter-satellite links in specific frequency bands, or portions thereof, by adding an inter-satellite service allocation where appropriate;

Introduction

The RCC Administrations are of the view that the use of satellite‐to‐satellite links in the frequency bands 11.7-12.7 GHz, 18.1-18.6 GHz, 18.8-20.2 GHz and 27.5-30 GHz, as currently conceived, does not correspond to the FSS definition and imposes additional constraints on the use of existing and future FSS satellite systems/networks, including within national territories.

The RCC Administrations support not making changes to the ITU Radio Regulations with respect to the frequency band 11.7-12.7 GHz.

The RCC Administrations consider that the conditions for using satellite-to-satellite links in the above frequency bands must ensure protection for existing primary services with allocations in the same or adjacent frequency bands, including passive services, and must not impose additional constraints on the use of existing or future systems of these services.

The RCC Administrations support the technical and operational conditions, as well as regulatory provisions, including new allocations to the inter-satellite service (ISS), for the operation of satellite-to-satellite links in the frequency bands 18.1-18.6 GHz, 18.8-20.2 GHz and 27.5-30 GHz, or portions thereof, taking into account the results of studies, including a concept of operation satisfying the above requirements.

The RCC Administrations are considering Method A in the CPM Report, and also Method B if the following conditions are met:

• the use of satellite-to-satellite links is possible only within the framework of the new allocation to the ISS;

• the use of satellite-to-satellite links is possible only on the provision that there is compulsory coordination within the framework of the new ISS allocation, in accordance with RR No. **9.11А**;

• the use of satellite-to-satellite links within the framework of the new ISS allocation must not claim protection or create unacceptable interference for FSS systems;

• Administrations must be given the opportunity to exclude their territory from the service area of any system using satellite-to-satellite links within the framework of the new ISS allocation;

• definition of roles and mechanisms for the Network Control and Monitoring Centre (NCMC) in relation to inter-satellite links;

• the use of satellite-to-satellite links within the framework of the new ISS allocation is permitted only in the context of the “within the cone” concept.

Proposals

NOC RCC/85A17/1

ARTICLES

NOC RCC/85A17/2

APPENDICES

SUP RCC/85A17/3

RESOLUTION 773 (WRC‑19)

Study of technical and operational issues and regulatory provisions for
satellite-to-satellite links in the frequency bands 11.7-12.7 GHz,
18.1-18.6 GHz, 18.8‑20.2 GHz and 27.5-30 GHz

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