|  |  |
| --- | --- |
| **World Radiocommunication Conference (WRC-19) Sharm el-Sheikh, Egypt, 28 October – 22 November 2019** |  |
|  |  |
|  |  |
| PLENARY MEETING | **Addendum 3 to Document 12(Add.21)-E** |
|  | **2 October 2019** |
|  | **Original: Russian** |
|  | |
| Regional Commonwealth in the field of Communications Common Proposals | |
| Proposals for the work of the conference | |
|  | |
| Agenda item 9.1(9.1.3) | |

9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:

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

9.1 (9.1.3) Resolution **157 (Rev.WRC-15) -** Study of technical and operational issues and regulatory provisions for new non-geostationary-satellite orbit systems in the 3 700-4 200 MHz, 4 500-4 800 MHz, 5 925-6 425 MHz and 6 725-7 025 MHz frequency bands allocated to the fixed-satellite service

Introduction

Pursuant to Resolution **157 (WRC-15)**, various studies were carried out within the framework of WRC-19 agenda item 9 (Issue 9.1.3).

None of those studies supports a review of the values of the existing limits set forth in Article **22** (epfd) and Article **21** (pfd) of the Radio Regulations (RR) for the 3 700‑4 200 MHz, 4 500-4 800 MHz, 5 925-6 425 MHz, and 6 725-7 025 MHz frequency bands.

Some studies suggested that a coordination procedure should be established for non-GSO FSS systems in the frequency bands 3 700-4 200 MHz and 5 925‑6 425 MHz under RR No. **9.12**. This study also indicates that there is no need to review the values of the existing limits set forth in Article **22** (epfd) and Article **21** (pfd) of the Radio Regulations for the frequency bands examined under this WRC-19 agenda item.

Proposal

The RCC Administrations oppose modifications to the provisions of Articles **21** and **22** of the Radio Regulations for new non-geostationary-satellite orbit systems in the 3 700-4 200 MHz, 4 500-4 800 MHz, 5 925-6 425 MHz and 6 725-7 025 MHz frequency bands allocated to the fixed-satellite service, as the studies carried out by ITU-R have concluded that the compatibility of these systems with stations of the incumbent services is unachievable.

The RCC Administrations are in favour of adopting conditions that ensure compatibility for new non-geostationary-satellite orbit systems in the 3 700-4 200 MHz and 5 925-6 425 MHz frequency bands by applying the coordination procedure under RR No. **9.12** between non-GSO FSS systems in the specified frequency bands.

ARTICLE 5

Frequency allocations

Section IV – Table of Frequency Allocations  
(See No. 2.1)

MOD RCC/12A21A3/1

3 600-4 800 MHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 3 600-4 200  FIXED  FIXED-SATELLITE (space-to-Earth) MOD 5.484А  Mobile | 3 600-3 700  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile 5.434  Radiolocation 5.433 | 3 600-3 700  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  Radiolocation  5.435 |
| 3 700-4 200  FIXED  FIXED-SATELLITE (space-to-Earth) MOD 5.484А  MOBILE except aeronautical mobile | |

**Reasons:** Modification of the Table of Frequency Allocations by adding a new footnote to identify frequency bands in which non-geostationary satellite systems in the fixed-satellite service can be used subject to the provisions of No. **9.12**.

MOD RCC/12A21A3/2

5 570-6 700 MHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 5 925-6 700 FIXED 5.457  FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B MOD 5.484А  MOBILE 5.457C  5.149 5.440 5.458 | | |

**Reasons:** Modification of the Table of Frequency Allocations by adding a new footnote to identify frequency bands in which non-geostationary satellite systems in the fixed-satellite service can be used subject to the provisions of No. **9.12**.

MOD RCC/12A21A3/3

5.484A The use of the bands 3 700-4 200 GHz (space-to-Earth), 5 925-6 425 GHz (Earth-to-space), 10.95-11.2 GHz (space-to-Earth), 11.45-11.7 GHz (space-to-Earth), 11.7-12.2 GHz (space-to-Earth) in Region 2, 12.2-12.75 GHz (space-to-Earth) in Region 3, 12.5-12.75 GHz (space-to-Earth) in Region 1, 13.75-14.5 GHz (Earth-to-space), 17.8-18.6 GHz (space-to-Earth), 19.7-20.2 GHz (space-to-Earth), 27.5-28.6 GHz (Earth-to-space), 29.5-30 GHz (Earth-to-space) by a non-geostationary-satellite system in the fixed-satellite service is subject to application of the provisions of No. 9.12 for coordination with other non-geostationary-satellite systems in the fixed-satellite service. Non-geostationary-satellite systems in the fixed-satellite service shall not claim protection from geostationary-satellite networks in the fixed-satellite service operating in accordance with the Radio Regulations, irrespective of the dates of receipt by the Bureau of the complete coordination or notification information, as appropriate, for the non-geostationary-satellite systems in the fixed-satellite service and of the complete coordination or notification information, as appropriate, for the geostationary-satellite networks, and No. 5.43A does not apply. Non-geostationary-satellite systems in the fixed-satellite service in the above bands shall be operated in such a way that any unacceptable interference that may occur during their operation shall be rapidly eliminated.     (WRC‑19)

**Reasons:** Modification of scope of applicability of footnote.

NOC RCC/12A21A3/4

ARTICLE 21

Terrestrial and space services sharing frequency bands above 1 GHz

**Reasons:** None of the studies conducted indicate that it is necessary to modify the corresponding pfd values in Article 21 of the Radio Regulations.

NOC RCC/12A21A3/5

ARTICLE 22

Space services1

**Reasons:** None of the studies conducted indicate that it is necessary to modify the corresponding epfd values in Article 22 of the Radio Regulations.

SUP RCC/12A21A3/6

RESOLUTION 157 (WRC-15)

Study of technical and operational issues and regulatory provisions for new   
non-geostationary-satellite orbit systems in the 3 700-4 200 MHz,   
4 500-4 800 MHz, 5 925-6 425 MHz and 6 725-7 025 MHz   
frequency bands allocated to the fixed-satellite service

**Reasons:** Consequential suppression of Resolution **157** (WRC-15).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_