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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 8 to Document 85-E** | |
|  | | **22 October 2023** | |
|  | | **Original: Russian** | |
|  | | | |
| Regional Commonwealth in the field of Communications Common Proposals | | | |
| PROPOSALS FOR THE WORK OF THE CONFERENCE | | | |
|  | | | |
| Agenda item 1.8 | | | |

1.8 to consider, on the basis of ITU‑R studies in accordance with Resolution **171 (WRC‑19)**, appropriate regulatory actions, with a view to reviewing and, if necessary, revising Resolution **155** **(Rev.WRC‑19)** and No. **5.484B** to accommodate the use of fixed-satellite service networks by control and non-payload communications of unmanned aircraft systems;

**Introduction**

The RCC Administrations object to the use of frequency bands allocated to the fixed-satellite service on a primary basis for UA CNPC links, as no studies have shown that it is possible to ensure the safety of UA flights using CNPC links in non-segregated airspace.

The RCC Administrations therefore propose to suppress RR No. **5.484B** from the Table of Frequency Allocations and also to suppress Resolutions **155 (Rev. WRC-19)** and **171 (WRC-19)**.

Proposal

In order to satisfy WRC-23 agenda item 1.8, it is proposed to use the regulatory text in annex hereto.

ARTICLE 5

Frequency allocations

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

SUP RCC/85A8/1

5.484B Resolution **155 (WRC‑15)**[[1]](#footnote-1)\* shall apply.     (WRC‑15)

MOD RCC/85A8/2

10.7-11.7 GHz

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| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 10.95-11.2  FIXED  FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.484  MOBILE except aeronautical mobile | 10.95-11.2  FIXED  FIXED-SATELLITE (space-to-Earth) 5.484A  MOBILE except aeronautical mobile | |
| ... |  | |
| 11.45-11.7  FIXED  FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.484  MOBILE except aeronautical mobile | 11.45-11.7  FIXED  FIXED-SATELLITE (space-to-Earth) 5.484A  MOBILE except aeronautical mobile | |

MOD RCC/85A8/3

11.7-13.4 GHz

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| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 11.7-12.5  FIXED  MOBILE except aeronautical mobile  BROADCASTING  BROADCASTING-SATELLITE 5.492 | 11.7-12.1  FIXED 5.486  FIXED-SATELLITE (space-to-Earth) 5.484A 5.488  Mobile except aeronautical mobile  5.485 | 11.7-12.2  FIXED  MOBILE except aeronautical mobile  BROADCASTING  BROADCASTING-SATELLITE 5.492 | |
| 12.1-12.2  FIXED-SATELLITE  (space-to-Earth) 5.484A 5.488 |
| 5.485 5.489 | 5.487 5.487A | |
| 12.2-12.7  FIXED  MOBILE except aeronautical mobile  BROADCASTING  BROADCASTING-SATELLITE 5.492 | 12.2-12.5  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  BROADCASTING | |
| 5.487 5.487A | 5.487 5.484A | |
| 12.5-12.75  FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space)    5.494 5.495 5.496 | 5.487A 5.488 5.490 | 12.5-12.75  FIXED  FIXED-SATELLITE (space-to-Earth) 5.484A  MOBILE except aeronautical mobile  BROADCASTING- SATELLITE 5.493 | |
| 12.7-12.75  FIXED  FIXED-SATELLITE (Earth-to-space)  MOBILE except aeronautical mobile |

MOD RCC/85A8/4

14-14.5 GHz

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| Allocation to services | | | | |
| Region 1 | Region 2 | | Region 3 | |
| 14-14.25 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506  5.506B  RADIONAVIGATION 5.504  Mobile-satellite (Earth-to-space) 5.504B 5.504C 5.506A  Space research  5.504A 5.505 | | | | |
| 14.25-14.3FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506  5.506B  RADIONAVIGATION 5.504  Mobile-satellite (Earth-to-space) 5.504B 5.506A 5.508A  Space research  5.504A 5.505 5.508 | | | | |
| 14.3-14.4  FIXED  FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B  MOBILE except aeronautical mobile  Mobile-satellite (Earth-to-space) 5.504B 5.506A 5.509A  Radionavigation-satellite  5.504A | | 14.3-14.4  FIXED-SATELLITE (Earth-to-space) 5.457A 5.484A 5.506 5.506B  Mobile-satellite (Earth-to-space) 5.506A  Radionavigation-satellite    5.504A | | 14.3-14.4  FIXED  FIXED-SATELLITE (Earth-to-space) 5.457A 5.484A 5.506 5.506B  MOBILE except aeronautical mobile  Mobile-satellite (Earth-to-space) 5.504B 5.506A 5.509A  Radionavigation-satellite  5.504A |
| 14.4-14.47 FIXED  FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506  5.506B  MOBILE except aeronautical mobile  Mobile-satellite (Earth-to-space) 5.504B 5.506A 5.509A  Space research (space-to-Earth)  5.504A | | | | |

MOD RCC/85A8/5

18.4-22 GHz

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| Allocation to services | | | | |
| Region 1 | Region 2 | | Region 3 | |
| 19.7-20.1  FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B 5.527A  Mobile-satellite (space-to-Earth) | | 19.7-20.1  FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B 5.527A  MOBILE-SATELLITE (space-to-Earth) | | 19.7-20.1  FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B 5.527A  Mobile-satellite (space-to-Earth) |
| 5.524 | | 5.524 5.525 5.526 5.527 5.528 5.529 | | 5.524 |
| 20.1-20.2FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B 5.527A  MOBILE-SATELLITE (space-to-Earth)  5.524 5.525 5.526 5.527 5.528 | | | | |

MOD RCC/85A8/6

24.75-29.9 GHz

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| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 29.5-29.9  FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.527A 5.539  Earth exploration-satellite (Earth-to-space) 5.541  Mobile-satellite (Earth-to-space) | 29.5-29.9  FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.527A 5.539  MOBILE-SATELLITE (Earth-to-space)  Earth exploration-satellite (Earth-to-space) 5.541 | 29.5-29.9  FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.527A 5.539  Earth exploration-satellite (Earth-to-space) 5.541  Mobile-satellite (Earth-to-space) |
| 5.540 5.542 | 5.525 5.526 5.527 5.529 5.540 | 5.540 5.542 |

MOD RCC/85A8/7

29.9-34.2 GHz

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| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 29.9-30 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.527A 5.539  MOBILE-SATELLITE (Earth-to-space)  Earth exploration-satellite (Earth-to-space) 5.541 5.543  5.525 5.526 5.527 5.538 5.540 5.542 | | |

SUP RCC/85A8/8

RESOLUTION 155 (REV.WRC‑19)

Regulatory provisions related to earth stations on board unmanned aircraft which operate with geostationary-satellite networks in the fixed-satellite   
service in certain frequency bands not subject to a Plan of Appendices 30,   
30A and 30B for the control and non-payload communications of   
unmanned aircraft systems in non-segregated airspaces[[2]](#footnote-2)\*

SUP RCC/85A8/9

RESOLUTION 171 (WRC‑19)

Review and possible revision of Resolution 155 (Rev.WRC‑19) and  
No. 5.484B in the frequency bands to which they apply

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1. \* *Note by the Secretariat:*  This Resolution was revised by WRC-19. [↑](#footnote-ref-1)
2. \* May also be used consistent with international standards and practices approved by the responsible civil aviation authority. [↑](#footnote-ref-2)