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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 10 to Document 44-E** | |
|  | | **13 October 2023** | |
|  | | **Original: English** | |
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| Member States of the Inter-American Telecommunication Commission (CITEL) | | | |
| Proposals for the work of the conference | | | |
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| Agenda item 1.10 | | | |

1.10 to conduct studies on spectrum needs, coexistence with radiocommunication services and regulatory measures for possible new allocations for the aeronautical mobile service for the use of non-safety aeronautical mobile applications, in accordance with Resolution **430 (WRC‑19)**;

Proposals

ARTICLE 5

Frequency allocations

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

NOC IAP/44A10/1

15.4-18.4 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 15.4-15.43 RADIOLOCATION 5.511E 5.511F  AERONAUTICAL RADIONAVIGATION | | |
| 15.43-15.63 FIXED-SATELLITE (Earth-to-space) 5.511A  RADIOLOCATION 5.511E 5.511F  AERONAUTICAL RADIONAVIGATION  5.511C | | |
| 15.63-15.7 RADIOLOCATION 5.511E 5.511F  AERONAUTICAL RADIONAVIGATION | | |

**Reasons:** Sharing studies between non-safety AM(OR)S and the incumbent services, e.g. radiolocation, have been performed resulting in a large separation distance. The results show that it is not feasible for the non-safety AM(OR)S to obtain an allocation. Therefore, no change is proposed for the 15.4-15.7 GHz frequency band.

NOC IAP/44A10/2

22-24.75 GHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 22-22.21 FIXED  MOBILE except aeronautical mobile  5.149 | | |

**Reasons:** Compatibility studies between non-safety AM(OR)S and the incumbent services in the adjacent frequency band have been performed. The results show that various AM(OR)S scenarios (e.g., wildfire observation and network-above-the-clouds) are not compatible with EESS (passive) operations based on the anticipated out-of-band emission levels from the non-safety AM(OR)S links. The studies also indicated significant challenges for coexistence with in-band incumbent fixed services. Therefore, no change is proposed for the 22-22.21 GHz frequency band.

SUP IAP/44A10/3#1670

RESOLUTION 430 (WRC-19)

Studies on frequency-related matters, including possible additional allocations, for the possible introduction of new non-safety aeronautical mobile applications

**Reasons:** This Resolution should be suppressed by WRC-23 noting the difficulties with new AM(OR)S allocations under this agenda item.

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