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| **Radiocommunication Advisory Group Geneva, 25-27 June 2012** |  |
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|  | **Document RAG12-1/13-E** |
| **21 June 2012** |
| **Original: English only** |

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| Chairman, Study Group 1 |
| proposal on the arrangement of itu-r recomendations by frequency bands of Article 5 of the Radio Regulations |

1. **Background**

The meeting of Working Party 1B (June 6-13, 2012) considered input Document 1B/15 which proposes to highlight the need to increase awareness of ITU activities (with references to Sections 2.2.2 and 4.1.9 of the annex to Resolution 71 (Rev. Guadalajara, 2010)) and, in order to simplify the work of existing and future ITU members with ITU-R Recommendations on an easy‑to‑use basis, to arrange ITU-R Recommendations by frequency bands mentioned in Article 5 of the Radio Regulations. The idea was supported by many countries and it was decided that such work could be performed in a way of an ITU-R Database after it has been considered by the Radiocommunication Advisory Group.

1. **Proposal**

It is proposed to the meeting of Radiocommunication Advisory Group to consider the possibility and necessity to create an on-line ITU-R Database on the arrangement of ITU-R Recommendations by frequency bands or by any other principals appropriate for ITU and its Member States.

Such work could be done with the active participation of the Radiocommunication Bureau. Each ITU-R Study Group could be tasked to carry out the analisys of the Recommendations of its Series, Study Group 1 could collect all results and the Bureau could publish on-line results keeping up‑to‑date such a Database.

Annex 1 contains a possible example of arrangement of some ITU-R Recomendations (Series F) by the frequency bands mentioned in Article 5 of the Radio Regulations.

ANNEX

**Example of ITU-R Recommendations (F Series)**

**arrangement by frequency bands**

| **Frequency band  (in accordance with Article 5 of the Radio Regulations)** | **Frequency band/service (application) for which Recommendations  are used** | **Recommendations**  **series, number and title** |
| --- | --- | --- |
| 9-110 kHz |  |  |
| 110-255 kHz |  |  |
| 200-495 kHz |  |  |
| 495-1 800 kHz |  |  |
| 1 800-2 194 kHz |  |  |
| 2 194-3 230 kHz |  |  |
| 3 250-5 003 kHz |  |  |
| 5 003-7 450 kHz |  |  |
| 7 450-13 360 kHz |  |  |
| 13 360-18 030 kHz |  |  |
| 18 030-23 350 kHz |  |  |
| 23 350-27 500 kHz |  |  |
| 27.5-47 MHz |  |  |
| 47-75.2 MHz |  |  |
| 75.2-137.175 MHz |  |  |
| 137.175-148 MHz |  |  |
| 148-223 MHz |  |  |
| 335.4-410 MHz |  |  |
| 410-460 MHz |  |  |
| 460-890 MHz |  |  |
| 890-1 300 MHz |  |  |
| 1 300-1 525 MHz | 1 350-1 530 MHz  Fixed wireless systems | **F.701-2** Radio-frequency channel arrangements for digital point-to-multipoint radio systems operating in frequency bands in the range  1 350 to 2 690 MHz |
| 1 350-1 530 MHz  Digital radio systems | **F.1242** Radio-frequency channel arrangements for digital radio systems operating in the range 1 350 MHz to 1 530 MHz |
| 1 525-1 610 MHz | 1 350-1 530 MHz  Fixed wireless systems | **F.701-2** Radio-frequency channel arrangements for digital point-to-multipoint radio systems operating in frequency bands in the range  1 350 to 2 690 MHz |
| 1 350-1 530 MHz  Digital radio systems | **F.1242** Radio-frequency channel arrangements for digital radio systems operating in the range 1 350 MHz to 1 530 MHz |
| 1 610-1 660 MHz |  | |
| 1 660-1 710 MHz |  | |
| 1 710-2 170 MHz | 1 700-2 100 MHz  1 900-2 300 MHz  Fixed wireless systems | **F.382-8** Radio-frequency channel arrangements for fixed wireless systems operating in the 2 and 4 GHz bands |
| 1 700-1 900 MHz  1 900-2 000 MHz  Fixed wireless systems | **F.701-2** Radio-frequency channel arrangements for digital point-to-multipoint radio systems operating in frequency bands in the range 1 350 to 2 690 MHz |
| 2 025-2 110 MHz  FIXED SERVICE  SPACE RESEARCH  SPACE OPERATION  EARTH EXPLORATION-SATELLITE | **F.1247-2** Technical and operational characteristics of systems in the fixed service to facilitate sharing with the space research, space operation and Earth exploration-satellite services operating in the bands 2 025‑2 110 MHz and 2 200-2 290 MHz |
| 2 025-2 110 MHz  SPACE RESEARCH | **F.1248** Limiting interference to satellites in the space science services from the emissions of trans-horizon radio-relay systems in the bands 2 025-2 110 MHz and 2 200-2 290 MHz |
| 2 170-2 520 MHz | 1 900-2 300 MHz  Fixed wireless systems | **F.382-8** Radio-frequency channel arrangements for fixed wireless systems operating in the 2 and 4 GHz bands |
| 2 100-2 300 MHz  2 300-2 500 MHz  Fixed wireless systems | **F.701-2** Radio-frequency channel arrangements for digital point-to-multipoint radio systems operating in frequency bands in the range 1 350 to 2 690 MHz |
| 2 025-2 110 MHz  FIXED SERVICE  SPACE RESEARCH  SPACE OPERATION  EARTH EXPLORATION-SATELLITE | **F.1247-2** Technical and operational characteristics of systems in the fixed service to facilitate sharing with the space research, space operation and Earth exploration-satellite services operating in the bands 2 025‑2 110 MHz and 2 200-2 290 MHz |
| 2 200-2 290 MHz  SPACE RESEARCH | **F.1248** Limiting interference to satellites in the space science services from the emissions of trans-horizon radio-relay systems in the bands 2 025-2 110 MHz and 2 200-2 290 MHz |
| 2 520-2 700 MHz | 2 500-2 690 MHz  Fixed wireless systems | **F.701-2** Radio-frequency channel arrangements for digital point-to-multipoint radio systems operating in frequency bands in the range 1 350 to 2 690 MHz | |
| 2 700-4 800 MHz | 3 800-4 200 MHz  Fixed wireless systems | **F.382-8** Radio-frequency channel arrangements for fixed wireless systems operating in the 2 and 4 GHz bands | | |
| 4 800-5 570 MHz |  |  | | |
| 5 570-7 250 MHz |  |  | | |
| 7 250-8 500 MHz |  |  | | |
| 8 500-10 000 MHz |  |  | | |
| 10-11.7 GHz |  |  | | |
| 11.7-14 GHz |  |  | | |
| 14-15.4 GHz |  |  | | |
| 15.4-18.4 GHz |  |  | | |
| 18.4-22 GHz |  |  | | |
| 22-24.75 GHz |  |  | | |
| 24.75-29.9 GHz |  |  | | |
| 29.9-34.2 GHz |  |  | | |
| 34.2-40 GHz |  |  | | |
| 40-47.5 GHz |  |  | | |
| 47.5-51.4 GHz |  |  | | |
| 55.78-66 GHz |  |  | | |
| 66-81 GHz |  |  | | |
| 81-86 GHz |  |  | | |
| 86-111.8 GHz |  |  | | |
| 111.8-119.98 GHz |  |  | | |
| 119.98-151.5 GHz |  |  | | |
| 151.5-158.5 GHz |  |  | | |
| 158.5-202 GHz |  |  | | |
| 202-248 GHz |  |  | | |
| 248-1 000 GHz |  |  | | |

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