INTERNATIONAL TELECOMMUNICATION UNION

Radiocommunication Bureau
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Administrative Circular
CAR/247

8 August 2007

To Administrations of Member States of the ITU

Subject: Radiocommunication Study Group 3

– Proposed approval of 2 draft revised Recommendations and 1 draft new Recommendation

At the meeting of ITU-R Study Group 3 (Radiowave propagation) held on 26 and 27 April 2007, the Study Group decided to seek adoption of 2 draft revised Recommendations and 1 draft new Recommendation by correspondence, according to § 10.2.3 of Resolution ITU-R 1-4.

As stated in Circular Letter 3/LCCE/28, dated 18 May 2007, the consultation period for the Recommendations ended on 8 July 2007.

The Recommendations have now been adopted by Study Group 3 and the approval procedure of Resolution ITU-R 1-4 § 10.4.5 is to be applied, noting the interim procedures recommended by the RAG at its meeting in November 2004*. The titles and summaries of the Recommendations are given in Annex 1.

Having regard to the provisions of § 10.4.5.2 of Resolution ITU-R 1-4, you are requested to inform the Secretariat (brsgd@itu.int) by 8 November 2007 whether your Administration approves or does not approve the draft Recommendations.

A Member State who indicates that the draft Recommendations should not be approved is requested to advise the Secretariat of the reason and to indicate possible changes in order to facilitate further consideration by the Study Group during the study period (§ 10.4.5.5 of Resolution ITU-R 1-4).

After the above-mentioned deadline, the results of this consultation will be notified in an Administrative Circular and arrangements made for the approved Recommendations to be published in accordance with § 10.4.7 of Resolution ITU-R 1-4.

* See Administrative Circular CA/145.

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Any ITU member organization aware of a patent held by itself or others which may fully or partly cover elements of the draft Recommendation(s) mentioned in this letter is requested to disclose such information to the Secretariat as soon as possible. The summary of conclusions of the fourteenth Radiocommunication Advisory Group Meeting refers to the common patent policy for ITU-T/ITU-R/ISO/IEC that is applicable to ITU-R Recommendations.

Valery Timofeev
Director, Radiocommunication Bureau

Annex : Titles and summaries

Documents attached:
Documents 3/BL/7 – 3/BL/9 on CD-ROM

Distribution:

- Administrations of Member States of the ITU
- Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 3
- ITU-R Associates participating in the work of Radiocommunication Study Group 3

ANNEX 1

Titles and summaries of the draft Recommendations adopted by Radiocommunication Study Group 3

Draft revision of Recommendation ITU-R P.1546-2 Doc. 3/BL/7

Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 3 000 MHz

The revision includes editorial changes and corrections of minor errors, and also includes changes to the method for computing the field strength for antenna heights $h_1 < 10$ m, the troposcatter correction, location variability, the terrain clearance reference angle and an approximate method for computing field strengths for distances less than 1 km.

Draft new Recommendation ITU-R P.[PATH_SPECIFIC] Doc. 3/BL/8

A path-specific propagation prediction method for point-to-area terrestrial services in the VHF and UHF bands

This draft new ITU-R Recommendation is intended as a propagation prediction method suitable for terrestrial point-to-area services in the frequency range 30 MHz to 3 GHz for the detailed evaluation of signal levels exceeded for a given percentage of time, p%, in the range $1\% \leq p \leq 50\%$ and a given percentage of locations, p_L, in the range $1\% \leq p_L \leq 99\%$. The method provides detailed analysis based on the terrain profile.

This Recommendation gives methods of calculating transmission losses associated with line-of-sight, diffraction, tropospheric scatter as well as anomalous propagation such as ducting. The basic transmission loss is calculated as a combination of the above propagation losses. It also calculates height gain variation in clutter, building entry losses and as well as location variability. Finally, the field strengths in dB(μV/m) are given for 1 kW effective radiated power.

Draft revision of Recommendation ITU-R P.533-8 Doc. 3/BL/9

Method for the prediction of the performance of HF circuits

This draft revision of the Recommendation divides the text into three parts, for greater clarity of presentation. New information is included which will facilitate the prediction of maximum usable frequencies for various time percentages of a month, and also a new section provides a method for the prediction of performance of digitally modulated systems at HF.

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