INTERNATIONAL TELECOMMUNICATION UNION

Radiocommunication Bureau
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Administrative Circular
CAR/207

27 January 2006

To Administrations of Member States of the ITU

Subject: **Radiocommunication Study Group 9**

– **Proposed approval of 6 draft revised Recommendations and 4 draft new Recommendations**

At the meeting of ITU-R Study Group 9 (Fixed service) held from 1-2 December 2005, the Study Group adopted the texts of 6 draft revised Recommendations and 4 draft new Recommendations, and agreed to apply the procedure of Resolution ITU-R 1-4 (see § 10.4.5) for approval of Recommendations by consultation. In accordance with the interim procedures recommended by the RAG at its meeting in November 2004*, the draft Recommendations in English, as revised at the meeting of Study Group 9, are enclosed with this letter. The titles and summaries of these 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 27 April 2006, whether your Administration approves or does not approve these draft Recommendations.

A Member State who indicates that a draft Recommendation 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).

* See Administrative Circular CA/145.

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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.

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 "Statement on Radiocommunication Sector Patent Policy" is contained in Annex 1 of Resolution ITU-R 1-4.

Valery Timofeev
Director, Radiocommunication Bureau

Annex: 1

- Titles and summaries of draft Recommendations

Documents attached:
Documents 9/BL/13 – 9/BL/22 on CD-ROM

Distribution:

– Administrations of Member States of the ITU
– Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 9
– ITU-R Associates participating in the work of Radiocommunication Study Group 9

ANNEX 1

Titles and summaries of the draft Recommendations adopted by Radiocommunication Study Group 9

(Geneva, 1-2 December 2005)

Draft revision of Recommendation ITU-R F.1330-1 Doc. 9/BL/13

Performance limits for bringing into service of the parts of international plesiochronous digital hierarchy and synchronous digital hierarchy paths and sections implemented by digital fixed wireless systems

This revision defines more precisely the performance objectives according to current versions of ITU-T Recommendations G.826, G.828, M.2100 and M.2101 ; makes additional changes to RPO allocation for paths of less than 500 km ; defines more precisely the BIS objectives calculation algorithm. The existing dual threshold limits (S1, S2) are retained in preference to the simplified ITU-T approach on account of the specific nature of the transmission media supporting radio applications.

Draft revision of Recommendation ITU-R F.1093-1 Doc. 9/BL/14

Effects of multipath propagation on the design and operation of line-of-sight digital fixed wireless systems

This revision takes into account that much of the material earlier provided is now incorporated into other ITU-R Recommendations and the ITU-R Handbook on digital radio relay systems. The approach is aligned to the current approach adopted in Recommendation ITU-R P.530.

Draft revision of Recommendation ITU-R F.1609 Doc. 9/BL/15

Interference evaluation from fixed service systems using high altitude platform stations to conventional fixed service systems in the bands 27.5-28.35 GHz and 31-31.3 GHz

This revision adds a new Annex 3 providing another example calculation of interference for the HAPS-to-FWA station direction in the 28 GHz band under practical situations while the examples in Annexes 1 and 2 are based on the worst interference scenario. The new calculations adopt a stochastic approach for the FWA station antenna direction which is one of the most dominant parameters in the interference evaluation.

Draft revision of Recommendation ITU-R F.382-7 Doc. 9/BL/16

Radio-frequency channel arrangements for fixed wireless systems operating in the 2 and 4 GHz bands

This Recommendation dealing with frequency channel arrangements in the 2 and 4 GHz bands is revised. The alternative arrangement described in the existing Note 2 is transferred to the new Annex incorporating detailed information on this arrangement using the 3 700-4 200 MHz range. All the old information relating to analogue systems are eliminated. Also the term radio-relay used all throughout the text is replaced with fixed wireless.

Draft revision of Recommendation ITU-R F.384-8 Doc. 9/BL/17

Radio-frequency channel arrangements for medium and high capacity digital fixed wireless systems operating in the upper 6 GHz band

This Recommendation dealing with frequency channel arrangements in the upper 6 GHz band is revised. An arrangement with a spacing of 10 MHz is newly added to accommodate medium capacity synchronous digital hierarchy systems.

Draft revision of Recommendation ITU-R F.699-6 Doc. 9/BL/18

Reference radiation patterns for fixed wireless system antennas for use in coordination studies and interference assessment in the frequency range from 100 MHz to about 70 GHz

This revision adds cross-polar discrimination calculation methodologies for the fixed wireless system antennas.

Draft new Recommendation ITU-R F.[9B/BWA](Doc. 9/51) 9/BL/19

Radio interface standards for broadband wireless access systems in the fixed service operating below 66 GHz

This Recommendation identifies specific radio interface standards for BWA systems in the fixed service operating below 66 GHz, addressing profiles for the recommended interoperability standards. It provides references to the standards for interoperability between BWA systems.

The interoperability standards referenced in this Recommendation include the following specifications:

– system profiles;

– physical layer parameters, i.e. channelization, modulation scheme, data rates;

– medium access control (MAC) layer messages and header fields;

– conformance testing methods.

This Recommendation is not intended to deal with the identification of suitable frequency bands for BWA systems, nor any regulatory issues.

Draft new Recommendation ITU-R F.[HAPS.RRS](Doc. 9/59) 9/BL/20

Methodology to evaluate interference from fixed service systems using high altitude platform stations (HAPS) to fixed wireless systems in the bands above 3 GHz

This Recommendation provides a methodology for interference evaluation that should be used for sharing studies between fixed service (FS) systems using high altitude platform stations (HAPS) and conventional fixed wireless systems in the frequency bands above 3 GHz in response to the technical study invited by Resolution 734 (Rev. WRC-03). Interference situations from HAPS airships and ground stations to the radio-relay stations are analysed.

Draft new Recommendation ITU-R F.[9D/P-PAEIRP](Doc. 9/60) 9/BL/21

Methodology for determining the aggregate equivalent isotropically radiated power from point-to-point high-density applications in the fixed service operating in bands above 30 GHz

This Recommendation provides methodologies which may be used to derive the aggregate equivalent isotropically radiated power *(a.e.i.r.p.)*for transmitting point-to-point (P-P) high density applications in the fixed service (HDFS) stations in bands above 30 GHz which may be used by administrations wishing to assess the potential interference from P-P HDFS stations to other interfered-with services in their national and bilateral discussions.

Draft new Recommendation ITU-R F.[9D/RA43GHz](Doc. 9/66) Doc. 9/BL/22

Methodology to determine the probability of a radio astronomy observatory receiving interference based on calculated exclusion zones to protect against interference from point-to-multipoint high-density applications in the fixed service operating in bands around 43 GHz

This Recommendation provides a methodology which may be used to derive exclusion zones around radio astronomy sites for transmitting point-to-multipoint (P-MP) high density applications in the fixed service (HDFS) which may be used by administrations in national and bilateral discussions as method to protect radio astronomy sites from potential interference from P-MP HDFS stations.

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