



Radiocommunication Bureau
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Administrative Circular
CAR/254

8 May 2008

To Administrations of Member States of the ITU

Subject: Radiocommunication Study Group 4

- **Proposed adoption of 1 draft new Recommendation and its simultaneous approval by correspondence in accordance with § 10.3 of Resolution ITU-R 1-5 (Procedure for the simultaneous adoption and approval by correspondence)**

At the meeting of Radiocommunication Study Group 4, held on 17 and 18 April 2008, the Study Group decided to seek adoption of 1 draft new Recommendation by correspondence (§ 10.2.3 of Resolution ITU-R 1-5) and further decided to apply the procedure for simultaneous adoption and approval by correspondence (PSAA), (§ 10.3 of Resolution ITU-R 1-5). The title and summary of the draft Recommendation are given in Annex 1.

The consideration period shall extend for 3 months ending on 8 August 2008. If within this period no objections are received from Member States, the draft Recommendation shall be considered to be adopted by Study Group 4. Furthermore, since the PSAA procedure has been followed, the draft Recommendation shall also be considered as approved. However, if any objection is received from a Member State during the consideration period, the procedures given in § 10.2.1.2 of Resolution ITU-R 1-5 shall apply.

After the above-mentioned deadline, the results of the PSAA procedure shall be announced in an Administrative Circular (CACE) and the approved Recommendation published as soon as practicable.

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 Common Patent Policy for ITU-T/ITU-R/ISO/IEC is available at <http://www.itu.int/ITU-T/dbase/patent/patent-policy.html>.

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Annex: Title and summary of the draft Recommendation

Document attached: Document 4/16(Rev.1), on CD-ROM

Distribution:

- Administrations of Member States of the ITU
- Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 4
- ITU-R Associates participating in the work of Radiocommunication Study Group 4

Annex 1

Title and summary of the draft Recommendation

Draft new Recommendation ITU-R S.[AVAILABILITY]

Doc. 4/16(Rev.1)

Availability objectives for hypothetical reference digital paths in the fixed-satellite service operating below 15 GHz

This draft new Recommendation derives the propagation availability objectives for links in the fixed-satellite service from the end-to-end availability performance objectives for a 27 500 km international digital hypothetical reference path as given in ITU-T Recommendation G.827, “Availability performance parameters and objectives for end-to-end international constant bit-rate digital paths”.

Beside the traditional availability ratio, ITU-T Recommendation G.827 introduces another parameter to assess the availability of a hypothetical digital path: the outage intensity. The propagation availability objectives related to this additional parameter are also derived. Using the methodology described in Recommendation ITU-R P.1623, fade duration and fade occurrence frequency are predicted in order to verify the technical feasibility for satellite links to meet these objectives.

This draft new Recommendation covers hypothetical digital paths operating below 15 GHz. Further studies are required to extend the applicability of the availability objectives contained in *recommends 3* up to 30 GHz.
