



## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/833**

22 September 2017

**To Administrations of Member States of the ITU, Radiocommunication Sector Members,  
ITU-R Associates participating in the work of Radiocommunication Study Group 3 and ITU  
Academia**

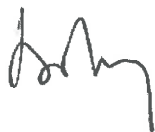
Subject:           **Radiocommunication Study Group 3 (Radiowave propagation)**  
                  –   **Proposed adoption by correspondence of 1 draft revised ITU-R  
                          Recommendation**

At the meeting of Radiocommunication Study Group 3, held on 1 September 2017, the Study Group decided to seek adoption of 1 draft revised ITU-R Recommendation in accordance with § A.2.6.2.2.3 of Resolution ITU-R 1-7 (Adoption by a Study Group by correspondence). The title and summary of the draft Recommendation is given in the Annex to this letter.

The consideration period shall extend for two months ending on 22 November 2017. If within this period no objections are received from Member States, the approval by consultation procedure of § A2.6.2.3 of Resolution ITU-R 1-7 will be initiated.

Any Member State who objects to the adoption of the draft Recommendation is requested to inform the Director and the Chairman of the Study Group of the reasons for the objection.

Any ITU member organization aware of a patent held by itself or others which may fully or partly cover elements of the draft Recommendation 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/en/ITU-T/ipr/Pages/policy.aspx>.



François Rancy  
Director

**Annex:** Title and summary of the draft Recommendation

**Document:** Document [3/71\(Rev.1\)](#)

This document is available in electronic format at: <https://www.itu.int/md/R15-SG03-C/en>

**Distribution:**

- Administrations of Member States of the ITU and Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 3
- ITU-R Associates participating in the work of Radiocommunication Study Group 3
- ITU Academia
- Chairman and Vice-Chairmen of Radiocommunication Study Groups
- Chairman and Vice-Chairmen of the Conference Preparatory Meeting
- Members of the Radio Regulations Board
- Secretary-General of the ITU, Director of the Telecommunication Standardization Bureau, Director of the Telecommunication Development Bureau

## **Annex**

### **Title and summary of the draft Recommendation**

Draft revision of Recommendation ITU-R P.526-13

Doc. 3/71(Rev.1)

#### **Propagation by diffraction**

The current Recommendation ITU-R P.526-13 includes a diffraction model for apertures or screens, which is only valid for propagation perpendicular to the screen. This proposal improves the accuracy of that model when transmitter and/or receiver are close to the aperture or screen, and adds an approximate method that is valid for all propagation angles and distances of transmitter or receiver from the screen or aperture.

The terrain models of section 4 of the Recommendation do not take into account the variation of terrain height transverse to the direction of propagation, so new text to bring this to the attention of users of the Recommendation is proposed.

It is also proposed to amend the first paragraph of Section 4, and amend Section 5.2 of the Recommendation.

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