



90<sup>th</sup> Anniversary  
CCIR/ITU-R Study Groups  
(1927-2017)

## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/848**

11 December 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)**

- **Adoption of 13 revised ITU-R Recommendations and their simultaneous approval by correspondence in accordance with § A2.6.2.4 of Resolution ITU-R 1-7 (Procedure for the simultaneous adoption and approval by correspondence)**

By Administrative Circular CACE/834 dated 2 October 2017, 13 draft revised ITU-R Recommendations were submitted for simultaneous adoption and approval by correspondence (PSAA), following the procedure of Resolution ITU-R 1-7 (§ A2.6.2.4).

The conditions governing this procedure were met on 4 December 2017.

The approved Recommendations will be published by the ITU and Annex to this Circular provides their titles, with the assigned numbers.

  
for/ François Rancy  
Director

### Annex: 1

#### 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
- Chairmen 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**

### **Titles of the approved ITU-R Recommendations**

Recommendation ITU-R P.1057-5

Doc. 3/65

#### **Probability distributions relevant to radiowave propagation modelling**

Recommendation ITU-R P.530-17

Doc. 3/67

#### **Propagation data and prediction methods required for the design of terrestrial line-of-sight systems**

Recommendation ITU-R P.834-9

Doc. 3/69

#### **Effects of tropospheric refraction on radiowave propagation**

Recommendation ITU-R P.453-13

Doc. 3/70

#### **The radio refractive index: its formula and refractivity data**

Recommendation ITU-R P.836-6

Doc. 3/73(Rev.1)

#### **Water vapour: surface density and total columnar content**

Recommendation ITU-R P.840-7

Doc. 3/76(Rev.1)

#### **Attenuation due to clouds and fog**

Recommendation ITU-R P.835-6

Doc. 3/77(Rev.1)

#### **Reference standard atmospheres**

Recommendation ITU-R P.617-4

Doc. 3/80(Rev.1)

#### **Propagation prediction techniques and data required for the design of trans-horizon radio-relay systems**

Recommendation ITU-R P.618-13

Doc. 3/81

**Propagation data and prediction methods required for the design  
of Earth-space telecommunication systems**

Recommendation ITU-R P.681-10

Doc. 3/82

**Propagation data required for the design of Earth-space land  
mobile telecommunication systems**

Recommendation ITU-R P.619-3

Doc. 3/84(Rev.2)

**Propagation data required for the evaluation of interference between  
stations in space and those on the surface of the Earth**

Recommendation ITU-R P.1144-9

Doc. 3/85(Rev.1)

**Guide to the application of the propagation methods  
of Radiocommunication Study Group 3**

Recommendation ITU-R P.311-17

Doc. 3/86(Rev.1)

**Acquisition, presentation and analysis of data in studies  
of radiowave propagation**

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