



Radiocommunication Bureau (BR)

Administrative Circular
CACE/924

29 August 2019

**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 22 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/905 dated 25 June 2019, 22 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 25 August 2019.

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

Mario Maniewicz
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.1057-6 Doc. 3/105(Rev.1)

Probability distributions relevant to radiowave propagation modelling

Recommendation ITU-R P.841-6 Doc. 3/106(Rev.1)

Conversion of annual statistics to worst-month statistics

Recommendation ITU-R P.1407-7 Doc. 3/107(Rev.1)

Multipath propagation and parameterization of its characteristics

Recommendation ITU-R P.676-12 Doc. 3/117(Rev.1)

Attenuation by atmospheric gases and related effects

Recommendation ITU-R P.453-14 Doc. 3/118(Rev.1)

The radio refractive index: its formula and refractivity data

Recommendation ITU-R P.527-5 Doc. 3/119(Rev.2)

Electrical characteristics of the surface of the Earth

Recommendation ITU-R P.310-10 Doc. 3/120(Rev.1)

Definitions of terms relating to propagation in non-ionized media

Recommendation ITU-R P.1511-2 Doc. 3/121(Rev.1)

Topography for Earth-space propagation modelling

Recommendation ITU-R P.1853-2 Doc. 3/122(Rev.1)

Time series synthesis of tropospheric impairments

Recommendation ITU-R P.2109-1

Doc. 3/124(Rev.1)

Prediction of building entry loss

Recommendation ITU-R P.528-4

Doc. 3/125(Rev.1)

A propagation prediction method for aeronautical mobile and radionavigation services using the VHF, UHF and SHF bands

Recommendation ITU-R P.1546-6

Doc. 3/126(Rev.1)

Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 4 000 MHz

Recommendation ITU-R P.1812-5

Doc. 3/127(Rev.1)

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

Recommendation ITU-R P.1238-10

Doc. 3/128(Rev.2)

Propagation data and prediction methods for the planning of indoor radiocommunication systems and radio local area networks in the frequency range 300 MHz to 450 GHz

Recommendation ITU-R P.1411-10

Doc. 3/129(Rev.1)

Propagation data and prediction methods for the planning of short-range outdoor radiocommunication systems and radio local area networks in the frequency range 300 MHz to 100 GHz

Recommendation ITU-R P.1816-4

Doc. 3/130(Rev.1)

The prediction of the time and the spatial profile for broadband land mobile services using UHF and SHF bands

Recommendation ITU-R P.531-14

Doc. 3/135(Rev.1)

Ionospheric propagation data and prediction methods required for the design of satellite networks and systems

Recommendation ITU-R P.1144-10

Doc. 3/138(Rev.1)

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

Recommendation ITU-R P.619-4

Doc. 3/139(Rev.1)

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

Recommendation ITU-R P.617-5

Doc. 3/143(Rev.1)

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

Recommendation ITU-R P.2001-3

Doc. 3/144(Rev.1)

**A general purpose wide-range terrestrial propagation model in
the frequency range 30 MHz to 50 GHz**

Recommendation ITU-R P.681-11

Doc. 3/145(Rev.1)

**Propagation data required for the design systems
in the land mobile-satellite service**
