



## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/996**

6 October 2021

**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 18 revised ITU-R Recommendations and their simultaneous approval by correspondence in accordance with § A2.6.2.4 of Resolution ITU-R 1-8 (Procedure for the simultaneous adoption and approval by correspondence)**

By Administrative Circular [CACE/988](#) dated 27 July 2021, 18 draft revised ITU-R Recommendations were submitted for simultaneous adoption and approval by correspondence (PSAA), following the procedure of Resolution ITU-R 1-8 (§ A2.6.2.4).

The conditions governing this procedure were met on 27 September 2021.

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**

## Annex

### Titles of the approved ITU-R Recommendations

Recommendation ITU-R	Title	Document
P.2040-2	Effects of building materials and structures on radiowave propagation above about 100 MHz	3/28
P.527-6	Electrical characteristics of the surface of the Earth	3/29
P.1407-8	Multipath propagation and parameterization of its characteristics	3/30
P.833-10	Attenuation in vegetation	3/31
P.1812-6	A path-specific propagation prediction method for point-to-area terrestrial services in frequency range 30 MHz to 6 000 MHz	3/33(Rev.1)
P.1238-11	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	3/34
P.1411-11	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	3/35
P.528-5	A propagation prediction method for aeronautical mobile and radionavigation services using the VHF, UHF, and SHF bands	3/38(Rev.1)
P.534-6	Method for calculating sporadic-E field strength	3/39
P.372-15	Radio Noise	3/40
P.2108-1	Prediction of clutter loss	3/41
P.530-18	Propagation data and prediction methods required for the design of terrestrial line-of-sight systems	3/42(Rev.2)
P.1144-11	Guide to the application of the propagation methods of Radiocommunication Study Group 3	3/45
P.1409-2	Propagation data and prediction methods for systems using high altitude platform stations and other elevated stations in the stratosphere at frequencies greater than about 0.7 GHz	3/46
P.2001-4	A general purpose wide-range terrestrial propagation model in the frequency range 30 MHz to 50 GHz	3/47(Rev.1)
P.452-17	Prediction procedure for the evaluation of interference between stations on the surface of the Earth at frequencies above about 0.1 GHz	3/48(Rev.1)
P.311-18	Acquisition, presentation and analysis of data in studies of radiowave propagation	3/49(Rev.1)
P.619-5	Propagation data required for the evaluation of interference between stations in space and those on the surface of the Earth	3/51(Rev.1)