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| INTERNATIONAL TELECOMMUNICATION UNION | sigleITU |

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| *Radiocommunication Bureau**(Direct Fax N°. +41 22 730 57 85)* |

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| **Administrative Circular****CACE/563** | 2 March 2012 |

**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-R Academia**

**Subject**: **Radiocommunication Study Group 3 (Radiowave propagation)**

 **– Adoption of 1 new Recommendation and 27 revised Recommendations and their simultaneous approval by correspondence in accordance with § 10.3 of Resolution ITU-R 1-6 (Procedure for the simultaneous adoption and approval by correspondence)**

By Administrative Circular CAR/328 dated 23 November 2011, 1 draft new Recommendation and 27 draft revised Recommendations were submitted for simultaneous adoption and approval by correspondence (PSAA), following the procedure of Resolution ITU‑R 1‑6 (§ 10.3).

The conditions governing this procedure were met on 23 February 2012.

The approved Recommendations will be published by the ITU and Annex 1 to this Circular provides their titles, with the assigned numbers.

François Rancy
Director, Radiocommunication Bureau

**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-R Academia

– Chairmen and Vice-Chairmen of Radiocommunication Study Groups and the Special Committee on Regulatory/Procedural Matters

– 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 1

Titles of the approved Recommendations

Recommendation ITU-R P.2001 Doc. 3/95(Rev.1)

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

Recommendation ITU-R P.1410-5 Doc. 3/60(Rev.1)

Propagation data and prediction methods required for the design
of terrestrial broadband radio access systems operating
in a frequency range from 3 to 60 GHz

Recommendation ITU-R P.1411-6 Doc. 3/61(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.835-5 Doc. 3/64(Rev.2)

Reference standard atmospheres

Recommendation ITU-R P.676-9 Doc. 3/65(Rev.1)

Attenuation by atmospheric gases

Recommendation ITU-R P.837-6 Doc. 3/67(Rev.1)

Characteristics of precipitation for propagation modelling

Recommendation ITU-R P.453-10 Doc. 3/69(Rev.1)

The radio refractive index: its formula and refractivity data

Recommendation ITU-R P.833-7 Doc. 3/70(Rev.1)

Attenuation in vegetation

Recommendation ITU-R P.840-5 Doc. 3/71(Rev.1)

Attenuation due to clouds and fog

Recommendation ITU-R P.526-12 Doc. 3/72(Rev.1)

Propagation by diffraction

Recommendation ITU-R P.1144-6 Doc. 3/73(Rev.1)

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

Recommendation ITU-R P.528-3 Doc. 3/74(Rev.1)

Propagation curves for aeronautical mobile and radionavigation
services using the VHF, UHF and SHF bands

Recommendation ITU-R P.1816-1 Doc. 3/75(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.1238-7 Doc. 3/76(Rev.1)

Propagation data and prediction methods for the planning of indoor radiocommunication systems and radio local area networks
in the frequency range 900 MHz to 100 GHz

Recommendation ITU-R P.684-6 Doc. 3/78(Rev.1)

Prediction of field strength at frequencies below about 150 kHz

Recommendation ITU-R P.534-5 Doc. 3/79(Rev.1)

Method for calculating sporadic-E field strength

Recommendation ITU-R P.832-3 Doc. 3/80(Rev.1)

World atlas of ground conductivities

Recommendation ITU-R P.533-11 Doc. 3/81(Rev.1)

Method for the prediction of the performance of HF circuits

Recommendation ITU-R P.1239-3 Doc. 3/82(Rev.1)

ITU-R reference ionospheric characteristics

Recommendation ITU-R P.531-11 Doc. 3/92(Rev.1)

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

Recommendation ITU-R P.1812-2 Doc. 3/94(Rev.2)

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

Recommendation ITU-R P.682-3 Doc. 3/97(Rev.1)

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

Recommendation ITU-R P.1817-1 Doc. 3/98(Rev.1)

Propagation data required for the design of
terrestrial free-space optical links

Recommendation ITU-R P.530-14 Doc. 3/100(Rev.1)

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

Recommendation ITU-R P.1409-1 Doc. 3/102(Rev.1)

Propagation data and prediction methods for systems using high altitude platform stations and other elevated stations in the stratosphere
at frequencies greater than about 1 GHz

Recommendation ITU-R P.617-2 Doc. 3/103(Rev.1)

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

Recommendation ITU-R P.1853-1 Doc. 3/104(Rev.1)

Tropospheric attenuation time series synthesis

Recommendation ITU-R P.313-11 Doc. 3/107(Rev.1)

Exchange of information for short-term forecasts and transmission
of ionospheric disturbance warnings

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