



Radiocommunication Bureau (BR)

Administrative Circular
CACE/1106

25 March 2024

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

**Subject: Meeting of Radiocommunication Study Group 3 (Radiowave propagation)
Geneva, 17 June 2024**

1 Introduction

By means of this Administrative Circular, I wish to announce that a meeting of ITU-R Study Group 3 will take place in Geneva on 17 June 2024, following the meetings of Working Parties 3J, 3K, 3L and 3M (see Circular Letter [3/LCCE/47](#)).

The Study Group meeting will be held in the ITU Headquarters, Geneva (see below).

Group	Meeting date	Deadline for contributions	Sessions
Study Group 3	Monday, 17 June 2024	Wednesday, 5 June 2024 at 1600 hours UTC	Monday, 17 June 2024 0930-1700 hours (local time)

2 Programme of the meeting

The draft agenda for the meeting of Study Group 3 is contained in Annex 1. The status of texts assigned to Study Group 3 can be found at:

<http://www.itu.int/md/R23-SG03-C-0001/en>

2.1 Adoption of draft Recommendations at the Study Group meeting (§ A2.6.2.2.2 of Resolution ITU-R 1-9)

No Recommendations are proposed for adoption by the Study Group in accordance with § A2.6.2.2.2 of Resolution [ITU-R 1-9](#).

2.2 Adoption of draft Recommendations by a Study Group by correspondence (§ A2.6.2.2.3 of Resolution ITU-R 1-9)

The procedure described in § A2.6.2.2.3 of Resolution ITU-R 1-9 concerns draft new or revised Recommendations that are not specifically included in the agenda of a Study Group meeting.

In accordance with this procedure, draft new and revised Recommendations prepared during the meetings of Working Parties 3J, 3K, 3L and 3M held prior to the Study Group meeting will be submitted to the Study Group. After due consideration, the Study Group may decide to seek adoption of these draft Recommendations by correspondence. In such cases, the Study Group shall use the procedure for simultaneous adoption and approval (PSAA) by correspondence of the draft Recommendations as described in § A2.6.2.4 of Resolution ITU-R 1-9 (see also § 2.3 below), if there is no objection to this approach by any Member State attending the meeting and if the Recommendation is not incorporated by reference in the Radio Regulations.

In accordance with § A1.3.1.13 of Resolution ITU-R 1-9, Annex 2 to this Circular contains a list of topics to be addressed at the meetings of the Working Parties held prior to the Study Group meeting, and for which draft Recommendations may be developed.

2.3 Decision on approval procedure

At the meeting, the Study Group shall decide on the eventual procedure to be followed for seeking approval for each draft Recommendation in accordance with § A2.6.2.3 of Resolution ITU-R 1-9, unless the Study Group has decided to use the PSAA procedure as described in § A2.6.2.4 of Resolution ITU-R 1-9 (see § 2.2 above).

3 Contributions

Contributions in response to the work of Study Group 3 are processed according to the provisions laid down in Resolution ITU-R 1-9.

The deadline for reception of contributions not requiring translation* (including Revisions, Addenda and Corrigenda to contributions) is **twelve calendar days** (1600 hours UTC) prior to the start of the meeting (see table above). Contributions received later than this deadline cannot be accepted. Resolution ITU-R 1-9 provides that contributions which are not available to participants at the opening of the meeting cannot be considered.

Participants are requested to submit contributions by electronic mail to:

rsg3@itu.int

A copy should also be sent to the Chair of Study Group 3. The address can be found on:

<http://itu.int/go/ITU-R/SG3/Chair>

4 Documents

Contributions will be posted “as received” within one working day on the webpage established for this purpose. The official versions will be posted on <http://www.itu.int/md/R23-SG03-C/en> within 3 working days.

* Where translation is required, contributions should be received at least three months prior to the meeting.

5 Interpretation

Due to financial constraints and the availability of interpreters, **Member States are asked to confirm by 25 April 2024** that interpretation in Arabic, Chinese, French, Spanish or Russian is required.

6 Registration/Visa requirements/Accommodation

Registration to this event is mandatory and will be carried out exclusively on-line via Designated Focal Points (DFPs) for ITU-R event registration. Participants must first complete an online registration form and submit their registration request for approval by the corresponding focal point. Participants require an ITU account for this purpose and are strongly encouraged to **register early** and to indicate **if they intend to attend the meeting in person or remotely**.

The list of ITU-R DFPs (TIES protected) as well as detailed information on this event registration system, visa support requirements, hotel accommodation, etc. can be found at:

www.itu.int/en/ITU-R/information/events

Please note that for meetings in Geneva, visa support must be requested during the online registration process and may take up to 21 days. Please see <https://www.itu.int/en/ITU-R/information/events/Pages/visa.aspx> for further information.

7 Remote participation and Webcast

Access to meeting sessions is restricted to event registered participants only. Delegates wishing to connect to the meeting remotely can access Study Group plenary sessions from the webpage for remote participation:

<https://www.itu.int/en/events/Pages/Virtual-Sessions.aspx>

These virtual meeting session connections will become available 30 minutes before the starting time of each session.

For those interested in following the proceedings of ITU-R meetings remotely, an audio webcast of the Study Group plenary sessions will be provided. Participants do not need to register for the meeting to use the webcast facility, however [TIES access](#) is required.

For further questions relating to this Administrative Circular, please contact Mr David Botha, Study Group 3 Counsellor, at david.botha@itu.int.

Mario Maniewicz
Director

Annexes: 2

Annex 1

Draft agenda for the meeting of Radiocommunication Study Group 3

(17 June 2024)

- 1** Opening of the meeting
- 2** Approval of the agenda
- 3** Appointment of the Rapporteur
- 4** Summary Record of the June 2023 meeting (Document [3/135*](#))
- 5** Results of the Radiocommunication Assembly 2023 (RA-23) and appointment of Vice-Chairs (Documents [3/1](#), [3/3\(Rev.1\)](#))
- 6** Results of the World Radiocommunication Conference 2023 (WRC-23) and of the first session of the Conference Preparatory Meeting for WRC-27 (CPM27-1) (Document [3/1](#))
- 7** Report on the RAG 2024 and CVC 2024 meetings
- 8** Structure of SG 3 and appointment of Chairs and Vice-Chairs of Working Parties
- 9** Executive Reports from the Working Party Chairs
 - 9.1** Working Party 3J
 - 9.2** Working Party 3K
 - 9.3** Working Party 3L
 - 9.4** Working Party 3M
- 10** Consideration of new and revised Recommendations where notice of intention to seek adoption was not given (see Resolution ITU-R 1-9, §§ A2.6.2.2.3, A2.6.2.3 and A2.6.2.4)
 - Decision to seek adoption
 - Decision on eventual approval procedure to be followed
 - 10.1** Working Party 3J
 - 10.2** Working Party 3K
 - 10.3** Working Party 3L
 - 10.4** Working Party 3M
- 11** Consideration of new and revised Reports
- 12** Consideration of new and revised Questions
- 13** Suppression of Recommendations, Reports and Questions
- 14** Status of Recommendations, Reports, Handbooks, Questions, Opinions, Resolutions and Decisions
- 15** Liaison with other ITU-R Study Groups, ITU Sectors and international organizations
- 16** Consideration of other contributions
- 17** Consideration of future work programme and schedule of meetings
- 18** Any other business
- 19** Closing

Clare ALLEN
Chair, Radiocommunication Study Group 3

* From the [2019-2023 study-period](#).

Annex 2

Topics to be addressed at meetings of Working Parties 3J, 3K, 3L and 3M held prior to the meeting of Study Group 3 and for which draft Recommendations may be developed

Working Party 3J

- 1 Proposed modification to Recommendation ITU-R P.453-14 - Global digital maps of surface and elevated ducts (see Annex 1 to Document [3J/301](#))
- 2 Proposed revision of Recommendation ITU-R P.453-14 - The radio refractive index: its formula and refractivity data - Surface and elevated ducts (see Annex 2 to Document [3J/301](#))
- 3 Summary of working documents toward a preliminary draft revision of Recommendation ITU-R P.835-6 - Annex 3 (see Annex 5 to Document [3J/301](#))
- 4 Summary of proposed revisions to Recommendation ITU-R P.453 - The radio refractive index: its formula and refractivity data (see Annex 6 to Document [3J/301](#))
- 5 Preliminary draft revision of Recommendation ITU-R P.833-10 - Statistical foliage effect measurements in various irregular shapes of broadleaf trees and empirical model proposal at 2-10 GHz (see Annex 8 to Document [3J/301](#))
- 6 Preliminary draft revision of Recommendation ITU-R P.526-15 - Propagation by diffraction (see Annex 9 to Document [3J/301](#))
- 7 Working document towards a preliminary draft revision of Recommendation ITU-R P.310 - Proposed revision to terms and new definitions (see Annex 10 to Document [3J/301](#))
- 8 Working document towards a preliminary draft revision of Recommendation ITU-R P.2040-2 - Complex relative permittivity of building materials (see Annex 11 to Document [3J/301](#))
- 9 Preliminary draft revision of Recommendation ITU-R P.525-4 - Calculation of free-space attenuation (see Annex 12 to Document [3J/301](#))
- 10 Working document towards a preliminary draft revision of Recommendation ITU-R P.341-7 - The concept of transmission loss for radio links (see Annex 13 to Document [3J/301](#))
- 11 Working document towards a preliminary draft revision of Recommendation ITU-R P.676-13 - Gaseous attenuation and related effects (see Annex 14 to Document [3J/301](#))
- 12 Working document towards a preliminary draft revision of Recommendation ITU-R P.1621-2 - Propagation data required for the design of Earth-space systems operating between 20 THz and 375 THz (see Annex 15 to Document [3J/301](#))
- 13 Working document towards a preliminary draft revision of Recommendation ITU-R P.676-13 - Attenuation by atmospheric gases and related effects (see Annex 17 to Document [3J/301](#))
- 14 Working document towards a preliminary draft revision to Recommendation ITU-R P.834-9 - The refraction correction of elevation angle for the mean annual global reference atmosphere

- 15 Preliminary draft revision of Recommendation ITU-R P.835-6 - Reference standard atmospheres (see Annex 19 to Document [3J/301](#))
- 16 Working document towards a preliminary draft revision of Recommendation ITU-R P.453-14 - § 1 - The radio refractive index: its formula and refractivity data (see Annex 21 to Document [3J/301](#))
- 17 Working document towards a preliminary draft revision of Recommendation ITU-R P.453-14 - §§ 2.1 and 3 - The radio refractive index: its formula and refractivity data (see Annex 22 to Document [3J/301](#))
- 18 Preliminary draft revision of Recommendation ITU-R P.453-14 - § 4 - The radio refractive index: its formula and refractivity data (see Annex 23 to Document [3J/301](#))
- 19 Working document towards a preliminary draft revision of Recommendation ITU-R P.834-9 - Effects of tropospheric refraction on radiowave propagation (see Annex 24 to Document [3J/301](#))
- 20 Preliminary draft revision of Recommendation ITU-R P.1511-2 - Topography for Earth-space propagation modelling (see Annex 30 to Document [3J/301](#))
- 21 Preliminary draft revision of Recommendation ITU-R P.2040-2 - Electrical properties model of building materials based on new measurements (1-330 GHz) (see Annex 36 to Document [3J/301](#))
- 22 Preliminary draft revision of Recommendation ITU-R P.2040-1 - Effects of building materials and structures on radiowave propagation above about 100 MHz (see Annex 38 to Document [3J/301](#))
- 23 Preliminary draft new Recommendation ITU-R P.[LAND_BISTATIC_SCATTER] - Land surface bistatic scattering coefficient prediction (see Annex 40 to Document [3J/301](#))
- 24 Discussion document for preliminary draft revision to Recommendation ITU-R P.2040-2 - Reflection and penetration loss of building materials (see Annex 42 to Document [3J/301](#))

Working Party 3K

- 1 Preliminary draft revision of Recommendation ITU-R P.1546-6 - Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 4 000 MHz (see Annex 1 to Document [3K/335](#))
- 2 Working item for a future revision of Recommendation ITU-R P.1410 - 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 (see Annex 4 to Document [3K/335](#))
- 3 Working items for a future revision of Recommendation ITU-R P.1411 - 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 (see Annex 5 to Document [3K/335](#))
- 4 Working items for a future revision of Report ITU-R P.2406 - Studies for short-path propagation data and models for terrestrial radiocommunication systems in the frequency range 6 GHz to 450 GHz (see Annex 6 to Document [3K/335](#))

- 5 Working items for a future revision of Recommendation ITU-R P.1238 - 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 (see Annex 7 to Document [3K/335](#))
- 6 Working document towards a preliminary draft revision of Recommendation ITU-R P.2108-1 - Prediction of clutter loss (see Annex 13 to Document [3K/335](#))

Working Party 3L

- 1 Preliminary draft revision of Recommendation ITU-R P.684-8 - Prediction of field strength at frequencies below about 150 kHz (see Annex 1 to Document [3L/112](#))
- 2 Working document towards preliminary draft revisions of Part 5 of Recommendation ITU-R P.372-15 and associated software - Radio Noise (see Annex 9 to Document [3L/112](#))
- 3 Working document towards a preliminary draft revision of Recommendation ITU-R P.372 - Radio noise (see Annex 10 to Document [3L/112](#))
- 4 Future revisions of Recommendation ITU-R P.372 - Gap analysis of the outdoor radio noise measurements (see Annex 11 to Document [3L/112](#))

Working Party 3M

- 1 Preliminary draft revision to Recommendation ITU-R P.530-18 - Propagation data and prediction methods required for the design of terrestrial line-of-sight systems (see Annex 1 to Document [3M/449](#))
- 2 Considerations regarding a working document towards a preliminary draft revision of Recommendation ITU-R P.618 - Preliminary draft revisions and future work (see Annex 5 to Document [3M/449](#))
- 3 Working document towards a preliminary draft revision of Recommendation ITU-R P.1814-0 - Prediction methods required for the design of terrestrial free-space optical links (see Annex 6 to Document [3M/449](#))
- 4 Working document towards preliminary draft revisions of Recommendations ITU-R P.1621-2 and ITU-R P.1622-1 (see Annex 7 to Document [3M/449](#))
- 5 Preliminary draft revision of Recommendation ITU-R P.1622-1 - Prediction methods required for the design of Earth-space systems operating between 20 THz and 375 THz (see Annex 8 to Document [3M/449](#))
- 6 Proposed modifications to Recommendation ITU-R P.452-17 - Gaseous attenuation and total transmission loss (see Annex 10 to Document [3M/449](#))
- 7 Preliminary draft revision of the clutter loss prediction method in Recommendation ITU-R P.452-17 (see Annex 11 to Document [3M/449](#))

- 8 Working document toward a preliminary draft revision to Recommendation ITU-R P.619-5
- Propagation data required for the evaluation of interference between stations in space and those on the surface of the Earth (see Annex 12 to Document [3M/449](#))
 - 9 Working document towards a preliminary draft revision of Recommendation ITU-R P.2108-1 - Prediction of clutter loss (see Annex 16 to Document [3M/449](#))
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