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| The International Teleocmmunication Union - Connecting the World. | | **International telecommunication union**  **Telecommunication Standardization Bureau** | |  |
|  | | | Geneva, 17 May 2023 | |
| **Ref:** | **TSB Circular 101**  SG15/HO | | **To:**  - Administrations of Member States of the Union  **Copy to:**  - ITU-T Sector Members;  - Associates of ITU-T Study Group 15;  - ITU Academia;  - The Chairman and Vice-Chairmen of ITU-T Study Group 15;  - The Director of the Telecommunication Development Bureau;  - The Director of the Radiocommunication Bureau | |
| **Tel:** | +41 22 730 6356 | |
| **Fax:** | +41 22 730 5853 | |
| **E-mail:** | [tsbsg15@itu.int](mailto:tsbsg15@itu.int) | |
| **Subject:** | **Member State consultation on Determined draft revised Recommendation ITU-T G.9964, proposed for approval at the meeting of ITU-T Study Group 15, Geneva, 20 Nov-1 Dec 2023** | | | |

Dear Sir/Madam,

1 ITU-T Study Group 15 (Networks, Technologies and Infrastructures for Transport, Access and Home) intends to apply the Traditional Approval Procedure as described in Section 9 of WTSA Resolution 1 (Rev. Geneva 2022) for the approval of the above-mentioned draft Recommendation at its next meeting in Geneva, 20 November – 1 December 2023. The agenda and all relevant information concerning the ITU-T Study Group 15 meeting will be available in Collective letter 3/15.

2 The title, summary and location of the draft ITU-T Recommendation proposed for approval can be found in **Annex 1**.

**TSB NOTE 1** - No ITU-T A.5 justification document has been prepared for the determined draft text.

**TSB NOTE 2** - As of the date of this Circular, one or more IPR statements had been received by TSB regarding this draft text. For up-to-date information, members are invited to consult the IPR database at [www.itu.int/ipr/](http://www.itu.int/ipr/).

3 This Circular initiates the formal consultation with ITU Member States on whether this text may be considered for approval at the upcoming meeting, in accordance with clause 9.4 of Resolution 1. Member States are kindly requested to complete and return the form in **Annex 2** by 2359 hours UTC on **8 November 2023**.

4 If 70% or more of the replies from Member States support consideration for approval, one Plenary session will be devoted to applying the approval procedure. Member States that do not assign authority to proceed should inform the Director of TSB of the reasons for this opinion and indicate the possible changes that would enable the work to progress.

Yours faithfully,

Seizo Onoe  
Director of the Telecommunication  
Standardization Bureau

**Annexes: 2**

ANNEX 1

Summary and location of Determined draft text

# 1 Draft revised Recommendation ITU-T G.9964 [[SG15-R10](https://www.itu.int/md/T22-SG15-R-0010/en)]

**Unified high-speed wireline-based home networking transceivers – Power spectral density specification**

## Summary

Recommendation ITU-T G.9964 specifies the control parameters that determine spectral content, power spectral density (PSD) mask requirements, a set of tools to support reduction of the transmit PSD, means to measure this PSD for transmission over telephone wiring, power line wiring and coaxial cable, as well as the allowable total transmit power into a specified termination impedance. It complements the system architecture and physical layer (PHY) specification in Recommendation ITU T G.9960, and the data link layer (DLL) specification in Recommendation ITU-T G.9961, as well as the modifications and additions to these Recommendations specifying the multiple input/multiple output (MIMO) home networking transceiver in Recommendation ITU-T G.9963.

This revision comprises ITU-T G.9964 (2011) plus its Amendments 1, 2 and 3, along with the addition of a narrower subcarrier spacing (12.20703125 kHz) for scenarios where the channel is very narrow (e.g., power line communication for smart grid applications).

ANNEX 2

Subject: Member State response to TSB Circular 101:  
Consultation on Determined draft revised Recommendation ITU-T G.9964

|  |  |  |  |
| --- | --- | --- | --- |
| **To**: | Director of the  Telecommunication Standardization Bureau,  International Telecommunication Union  Place des Nations  CH 1211 Geneva 20, Switzerland | **From**: | [Name]  [Official role/title]  [Address] |
| **Fax**:  **E-mail**: | +41-22-730-5853  [tsbdir@itu.int](mailto:tsbdir@itu.int) | **Fax**:  **E-mail**: |  |
|  |  | **Date**: | [Place,] [Date] |

Dear Sir/Madam,

With respect to the Member State consultation on the Determined draft text listed in TSB Circular 101, I would like to advise you of the opinion of this Administration, which is set out in the table below.

|  | **Select one of the two boxes for each text** |
| --- | --- |
| **Draft revised Recommendation ITU-T G.9964** | **assigns authority** to Study Group 15 to consider this text for approval (in which case, select one of the two options ⃝):  ⃝ No comments or suggested changes  ⃝ Comments and suggested changes are attached |
| **does not assign authority** to Study Group 15 to consider this text for approval (reasons for this opinion and an outline of possible changes that would enable the work to progress are attached) |

Yours faithfully,

[Name]

[Official role/title]

Administration of [Member State]

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