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| The International Teleocmmunication Union - Connecting the World. | | **International telecommunication union**  **Telecommunication Standardization Bureau** | |  |
|  | | | Geneva, 2 November 2022 | |
| **Ref:** | **TSB Circular 51**  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 Amendment 1 to G.9901 (2017), proposed for approval at the meeting of ITU-T Study Group 15, Geneva, 17 – 28 April 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, 17 – 28 April 2023. The agenda and all relevant information concerning the ITU-T Study Group 15 meeting will be available in Collective letter 2/15.

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 **5 April 2023**.

4 If 70% or more of the replies from Member States support consideration for approval, one Plenary session will be devoted to apply 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,

Chaesub Lee  
Director of the Telecommunication  
Standardization Bureau

**Annexes: 2**

ANNEX 1

Summary and location of Determined draft text

# 1 Draft Amendment 1 to Recommendation ITU-T G.9901 (2017) [[SG15-R5](https://www.itu.int/md/T22-SG15-R-0005/en)]

**Narrowband orthogonal frequency division multiplexing power line communication transceivers – Power spectral density specification - Amendment 1**

## Summary

Recommendation ITU-T G.9901 specifies the transmitted output voltage in the band 9–535 kHz, the control parameters that determine spectral content, power spectral density (PSD) mask requirements, a set of tools to support the reduction of the transmit PSD, the means to measure this PSD for transmission over power line wiring, as well as the allowable total transmit power into a specified termination impedance.

Recommendation ITU-T G.9901 also complements the system architecture, physical layer (PHY) and data link layer (DLL) specifications in Recommendations ITU-T G.9902 (G.hnem), ITU-T G.9903 (G3-PLC), and ITU-T G.9904 (PRIME).

This edition contains the following modifications.

– The output voltage limits set for the ITU-T G.9902 FCC-2 bandplan have been extended to ITU-T G.9903 technology and thus placed in the main body. Care has been taken to reference existing standards as far as possible.

– The clarification of the tone masking feature in Annex B.

Corrigendum 1 corrects some errors with CENELEC-B control parameters in Annex B.

Amendment 1 introduces FCC-Low and FCC-High bandplans in Annex B.

**TSB NOTE 3** - As of the date of this Circular, Corrigendum 1 to G.9901 (2017) is under AAP (Its last call review started on 16 October 2022).

ANNEX 2

Subject: Member State response to TSB Circular 51:  
Consultation on Determined draft Amendment 1 to Recommendation ITU-T G.9901 (2017)

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| --- | --- | --- | --- |
| **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 51, 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 Amendment 1 to Recommendation ITU-T G.9901 (2017)** | **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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