

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.997.1

Corrigendum 1
(12/2006)

SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS

Digital sections and digital line system – Access networks

Physical layer management for digital subscriber
line (DSL) transceivers

Corrigendum 1

ITU-T Recommendation G.997.1 (2006) – Corrigendum 1

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ITU-T Recommendation G.997.1

Physical layer management for digital subscriber line (DSL) transceivers

Corrigendum 1

Summary

This Corrigendum contains:

- Clarification to the maximum noise margin parameter.
- Correction to the reporting of SNRMODE over the T-S interface.

Source

Corrigendum 1 to ITU-T Recommendation G.997.1 (2006) was approved on 14 December 2006 by ITU-T Study Group 15 (2005-2008) under the ITU-T Recommendation A.8 procedure.

FOREWORD

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

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ITU-T Recommendation G.997.1

Physical layer management for digital subscriber line (DSL) transceivers

Corrigendum 1

1) Correction to the definition of maximum noise margin parameter

Modify 7.3.1.3.3 and 7.3.1.3.4 as follows:

7.3.1.3.3 Downstream Maximum Noise Margin (MAXSNRMDs)

This is the maximum noise margin the xTU-R receiver shall try to sustain. If the Noise Margin is above this level, the xTU-R shall request the xTU-C to reduce the xTU-C transmit power to get a noise margin below this limit (if this functionality is supported by the relevant DSL Recommendation – see Note 1). The maximum noise margin ranges from 0 to 31 dB with 0.1 dB steps. A special value is used to indicate that no reduction in transmit power is not required for the purpose of reducing the noise margin below the Maximum Noise Margin limit is to be applied (i.e., the ~~maximum~~ Maximum Noise Margin value is infinite).

NOTE 1 – This functionality should be supported by ADSL transmission systems. This functionality is supported by ADSL2 transmission systems.

NOTE 2 – The transmit power may be reduced for other reasons.

7.3.1.3.4 Upstream Maximum Noise Margin (MAXSNRMus)

This is the maximum noise margin the xTU-C receiver shall try to sustain. If the Noise Margin is above this level, the xTU-C shall request the xTU-R to reduce the xTU-R transmit power to get a noise margin that is below this limit (if this functionality is supported by the relevant DSL Recommendation – see Note 1). The maximum noise margin ranges from 0 to 31 dB with 0.1 dB steps. A special value is used to indicate that no reduction in transmit power is not required for the purpose of reducing the noise margin below the Maximum Noise Margin limit is to be applied (i.e., the ~~maximum~~ Maximum Noise Margin value is infinite).

NOTE 1 – This functionality should be supported by ADSL transmission systems. This functionality is supported by ADSL2 transmission systems.

NOTE 2 – The transmit power may be reduced for other reasons.

2) Correct error in access of SNRMODE at the S/T interface

Modify the following two lines of Table 7-14:

SNRMODEs	7.3.1.7.1	R/W(M)	R(O)		R(M)
SNRMODEus	7.3.1.7.2	R/W(M)	R(O)		R(M)

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