



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.711

Appendix II
(02/2000)

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DIGITAL SYSTEMS AND NETWORKS**

**Digital transmission systems – Terminal equipments –
Coding of analogue signals by pulse code modulation**

Pulse code modulation (PCM) of voice frequencies

**Appendix II: A comfort noise payload definition
for ITU-T G.711 use in packet-based multimedia
communication systems**

ITU-T Recommendation G.711 – Appendix II

(Formerly CCITT Recommendation)

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ITU-T RECOMMENDATION G.711

PULSE CODE MODULATION (PCM) OF VOICE FREQUENCIES

APPENDIX II

A comfort noise payload definition for ITU-T G.711 use in packet-based multimedia communication systems

Summary

This appendix defines a comfort noise payload format (or bit-stream) for ITU-T G.711 use in packet-based multimedia communication systems.

The use of the payload format is intended for packet-based systems with a large header overhead where the packet transmission rate plays a significant role in the overall system bit-rate. In this situation, the use of VAD/DTX/CNG can significantly reduce the packet transmission rate and hence improve the bandwidth efficiency.

Source

Appendix II to ITU-T Recommendation G.711 was prepared by ITU-T Study Group 16 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on 28 February 2000.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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