Recommendation T/L 03-02 (Innsbruck 1981)

PCM CODING AND MULTIPLEXING FOR TELEPHONY

Recommendation proposed by Working Group T/GT 12 "Transmission" (TR)

Text of the Recommendation adopted by the "Telecommunications" Commission:

"The European Conference of Postal and Telecommunications Administrations,

considering

— that PCM encoding of voice-frequency signals requires the use of very precise characteristics,

— that it is important that performance characteristics should be met between the voice-frequency ports of PCM coded channels,

— that the installation and operation of primary PCM multiplex equipment from different origins require that they should be standardized,

— that the relevant CCITT existing Recommendations contain various options and differences which are necessary on a worldwide basis,

— that the CEPT Administrations support the harmonization of telecommunication equipment and systems which could lead to a reduction in the development and production costs for the manufacturers supplying equipment to several countries,

recommends

that the members of the CEPT adhere to the specifications for PCM coding and multiplexing for telephony contained in this Recommendation."

Recommendation T/L 03-02 corresponds to the following CCITT Recommendations:

Recommendation G.711: "Pulse code modulation (PCM) of voice frequencies" with the following modification:
"CEPT members only use the A-law."

Recommendation G.712: "Performance characteristics of PCM channels between 4-wire interfaces at voice frequencies" with the following modification:
point 14: add after [5]: concerning the levels at the voice-frequency ports, only solution 1 applies (+4 dBr, −14 dBr).

Recommendation G.713: "Performance characteristics of PCM channels between 2-wire interfaces at voice frequencies."

Recommendation G.714: "Separate performance characteristics for the send and receive sides of PCM channels applicable to 4-wire voice-frequency interfaces."

Recommendation G.732: "Characteristics of primary PCM multiplex equipment operating at 2,048 kbit/s."