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Network Aspects (NA); Metropolitan Area Network (MAN); Physical layer convergence procedure for 34,386 Mbit/s

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Foreword

This European Telecommunication Standard (ETS) has been prepared by the Network Aspects (NA) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS details the physical layer convergence procedure for an European Metropolitan Area Network (MAN) based on the Distributed Queue Dual Bus (DQDB) access method as defined in IEEE Standard 802.6 [6] operating at a transmission rate of 34,368 Mbit/s in accordance with CCITT Recommendation G.751 [1].

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1 Scope

This European Telecommunication Standard (ETS) defines the physical layer convergence procedure at 34,368 Mbit/s for use in the context of a subnetwork of a Metropolitan Area Network (MAN). Additional slot mappings for use in the transit network and use of methods defined in this ETS for other purposes are outside the scope of this ETS.

Methods of testing will be the subject of separate arrangements.

2 Normative references

This ETS incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed below. For dated references, subsequent amendments to, or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

[1] CCITT Recommendation G.751 (1988): "Digital multiplexing equipments operating at the third order bit rate of 34 368 kbit/s and the fourth order bit rate of 139 264 kbit/s and using positive justification".

[2] CCITT Recommendation G.703 (1991): "Physical/electrical characteristics of hierarchical digital interfaces".

[3] CCITT Recommendation G.707 (1991): "Synchronous digital hierarchy bit rates".

[4] CCITT Recommendation G.708 (1991): "Network node interface for the synchronous digital hierarchy".

[5] CCITT Recommendation G.709 (1991): "Synchronous multiplexing structure".

[6] IEEE Standard 802.6 (1990): "Distributed Queue Dual Bus (DQDB) Subnetwork of a Metropolitan Area Network (MAN)".

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3 Definitions

For the purposes of this ETS, the definitions as defined in IEEE Standard 802.6 [6] shall apply.

4 Symbols and abbreviations

For the purposes of this ETS, the symbols and abbreviations as defined in IEEE Standard 802.6 [6] shall apply.