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**Attachment requirements for Data Terminal Equipment (DTE)
to connect to Packet Switched Public Data Networks (PSDN)
using CCITT Recommendation X.25 (1984) interface
Requirements applicable to DTEs subscribing to Link Access
Procedure Balanced (LAPB) extended (modulo 128) operation**

(the text of this ETS may be utilized for the establishment of Annex H of NET 2)

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Terminal Equipment (TE) Technical Committee of the European Telecommunication Standards Institute (ETSI).

This ETS contains the attachment requirements applicable to packet mode Data Terminal Equipment (DTEs) which subscribe to the optional application of the Link Access Procedure Balanced (LAPB) extended (modulo 128) operation. These attachment requirements are additional to those contained in the main body of NET 2 [1].

The text of this ETS may be utilized as an Annex H to NET 2 [1]. Copies of NET 2 [1] may be obtained from:

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1 Normative references

This European Telecommunication Standard (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 hereafter. 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] NET 2 (First edition, 1988): "Approval requirements for data terminal equipment to connect to packet switched public data networks using CCITT Recommendation X.25 (1984) interface".
- [2] CCITT Recommendation X.25 (1984): "Interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) for terminals operating in the packet mode and connected to public data networks by dedicated circuit".

2 Definitions

For the purposes of this ETS the definitions provided in NET 2 [1] and CCITT Recommendation X.25 [2] shall apply.

3 Symbols and abbreviations

DTE	Data Terminal Equipment
LAPB	Link Access Procedure Balanced
SABME	Set Asynchronous Balanced Mode Extended
SABM	Set Asynchronous Balanced Mode
FRMR	Frame Reject
DM	Disconnected Mode
DISC	Disconnect

4 LAPB extended (Modulo 128) operation

A DTE which subscribes to LAPB extended operation shall satisfy the following requirements:

4.1 General

All tests provided in section 9 of NET 2 [1] shall apply with the following changes:

- a) Command SABME shall be used instead of SABM;
- b) Control field of frames that contain sequence numbers shall consist of 2 octets as specified in table 4 of CCITT Recommendation X.25 [2];
- c) Information field of FRMR frame shall consist of 5 octets as specified in table 8 of CCITT Recommendation X.25 [2];
- d) Test 9.3 (see section 9 of NET 2 [1]) shall be performed, the tester transmitting an I frame 128 times.

4.2 Additional tests

4.2.1 Link set-up mode establishment collision.

Test condition - the DTE shall be in the Disconnected Mode (DM).



*) This frame is optional depending on the link initialisation method supported by the DTE.

**) DISC may be transmitted.

History

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