

SLOVENSKI STANDARD SIST ETS 300 124 E1:2003

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Df]_`1]hj YbY`nU\ hYj Y`nU'dcXUh_cj bc`hYfa]bU`g_c`cdfYa c`f8 H9Ł'nU'df]_`1 Yj Ub^Y bU'dU_Yhbc`_ca i hjfUbU'Uj bU'dcXUh_cj bU'ca fYÿ'U'fDGD8 BŁ'dfY_'j a Ygb]_U'dc df]dcfc]`i '7 +HH'L''&) 'ff%, (ŁË'NU\ hYj Y`nU'8 H9 'df]'bUj Yncj Ub1 'bU'j Y dcj YnUj bc XY`cj Ub^Y

Terminal Equipment (TE); Attachment requirements for Data Terminal Equipment (DTE) to connect to Packet Switched Public Data Networks (PSPDN) using CCITT Recommendation X.25 (1984) interface; Requirements applicable to DTEs subscribing to Multilink operation Teh STANDARD PREVIEW

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Attachment requirements for Data Terminal Equipment (DTE) to connect to Packet Switched Public Data Networks (PSPDN) using CITT Recommendation X.25 (1984) interface Requirements applicable to DTEs subscribing to Multilink

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(the text of this ETS may be utilized for the establishment of Annex I 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 Telecommunications Standards Institute (ETSI).

This ETS contains attachment requirements applicable to packet mode Data Terminal Equipment (DTEs) which subscribe to the <u>optional</u> application of multilink operation. These attachment requirements are additional to those contained in the main body of NET 2 [1].

The text of this ETS may be utilised for the establishment of Annex I 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 purpose 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

SLP iTeingle Link Procedure RD PREVIEW

MLP Multilink Procedure rds.iteh.ai)

LAPB Link Access Procedure Balanced 3

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PDU Protocol Data Unitsist-ets-300-124-e1-2003

DM Disconnected Mode

sut system under test

SABM Set Asynchronous Balanced Mode

DISC Disconnect

FRMR Frame Reject

RNR Receive Not Ready

RR Receive Ready

4 Multilink procedure (MLP)

4.1 General

This subclause contains the additional requirements to be satisfied by a DTE which subscribes to the multilink procedure.

The requirements established for Single Link Procedure (SLP) in section 9 of NET 2 [1] or in the supplement for modulo 128 operation are applicable. The only difference is in respect of the address field of Link Access Procedure Balanced (LAPB) frames where the encoding shall be as reflected in CCITT Recommendation X.25 (1984), paragraph 2.4.2 [2], for multilink operation.

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4.2 Tests

To execute a test, the tester shall attempt to force the DTE to an appropriate phase or condition by transmitting a particular Protocol Data Unit (PDU) or a sequence of PDUs. However, some DTEs may initialize the link or send a particular PDU that requires an appropriate answer from the tester to be in accordance with the protocol procedures.

To represent those situations in the test descriptions, the following notation shall be used:

- PDUs within [] denote optional PDUs from the DTE that shall not require a specific answer from the tester;
- PDUs within () denote optional PDUs from the DTE that shall require a specific answer from the tester according to the protocol procedures.

The following requirements shall be applied along the whole section:

- a) in many tests the DTE has to transmit an I-frame. The DTE can be forced to transmit an I-frame, e.g. by receiving:
 - RESTART INDICATION (in state r1),
 - RESET INDICATION on an LC, as assigned as a PVC, in any state except d2 and d3,
 - CLEAR INDICATION on an LC, assigned as an SVC, in any state except p.6 and p.7 ANDARD PREVIEW

It depends on the characteristics of the DTE what packet should be used;

b) if for any reason both SLPs become in Disconnected Mode (DM), the MLP resetting can be possible. If MLP were reset then MLP frames to be transmitted by the DTE may be lost log/standards/sist/656d0df6-5a6c-4717-b25d-3b85b794ac42/sist-ets-300-124-e1-2003

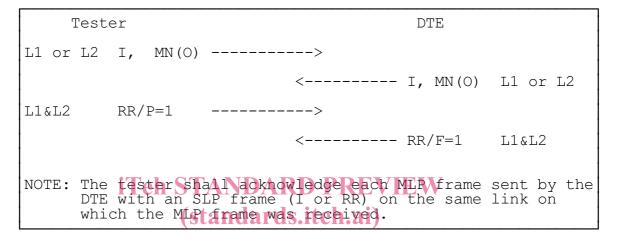
c) the following tests are defined under the assumption that both SLPs are configured with the same system parameters.

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4.2.1 Verification of MLP setup phase

A preamble verification sequence shall be executed before each test in both lines (L1 and L2) which link the DTE and the Tester:

A post-test sequence shall be executed after each test to verify the correct status of the DTE:



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