COVERING NOTE

GENERAL SECRETARIAT INTERNATIONAL TELECOMMUNICATION UNION

CORRIGENDUM No. 1

Geneva, June 1990

FASCICLE VIII.2

IXth PLENARY ASSEMBLY OF THE CCITT
MELBOURNE, 1988

Please insert the following corrections to the texts of Recommendations X.3, X.21, X.25, X.28, X.30, X.31, X.32 in Fascicle VIII.2 of Volume VIII of the CCITT Blue Book.

1. *Recommendation X.3* *(page 30)*

Table 1/X.3 in the box at the cross-point of "parameter reference number 3" and "parameter description"

"Selection of data forward character(s) (E)" of which, the words "data forward" should be in italics.

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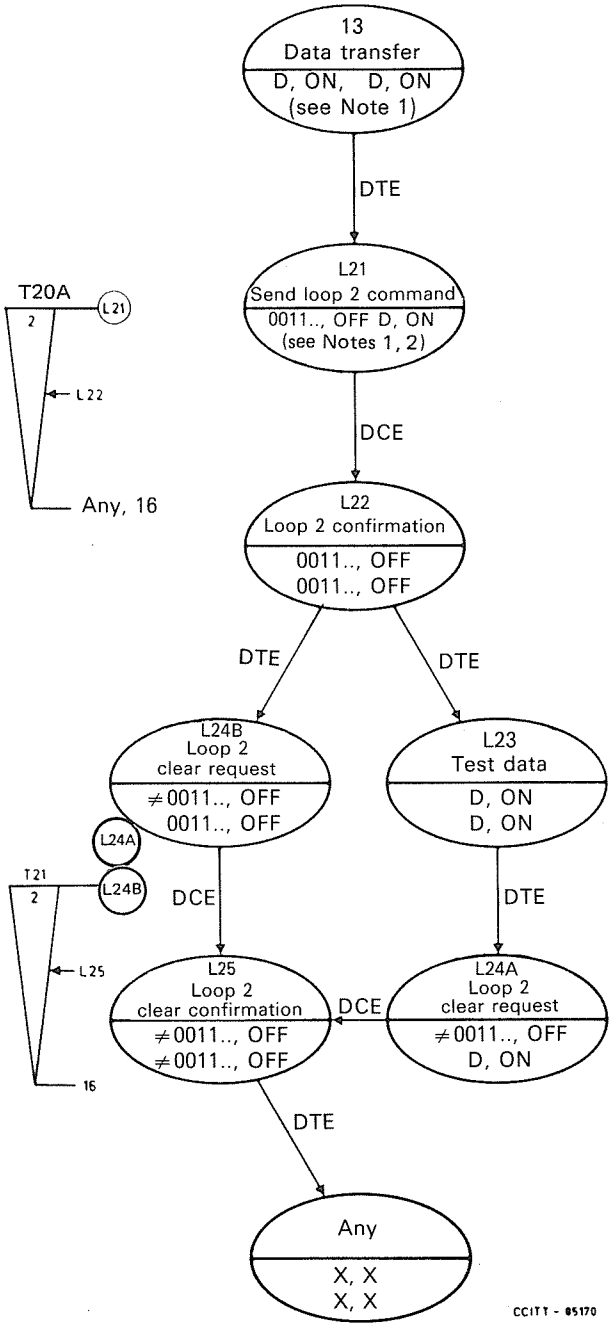
2. *Recommendation X.21*

Figure A.7/X.21 (page 105)

This figure should be improved as shown hereon:



Note 1 – In leased circuit service any state.

Note 2 – Networks which implement state L26A *loop 2 consent* will require the remote DTE to be signalling c = OFF.

FIGURE A-7/X.21

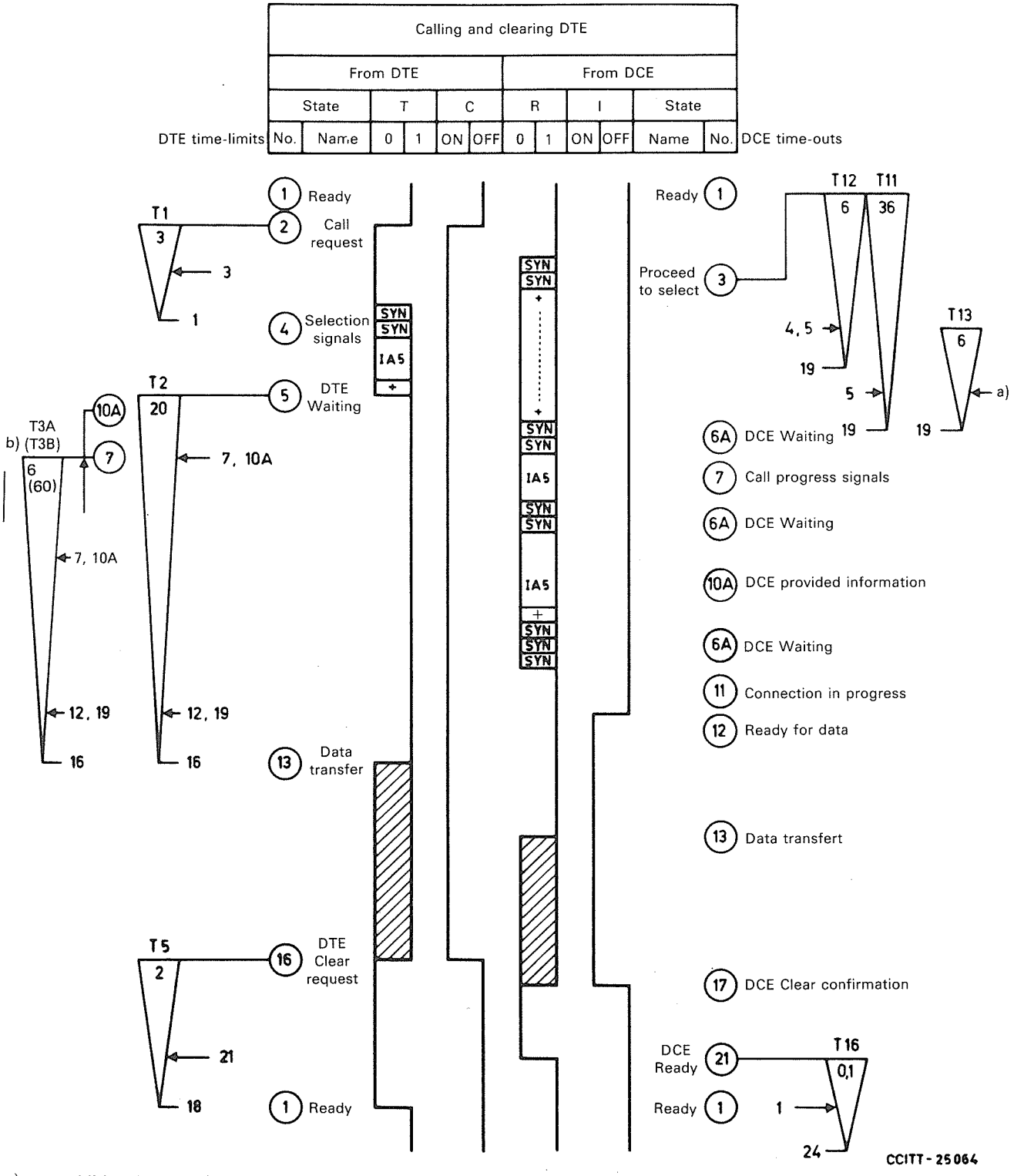
Loop 2 activation/deactivation – Testing station

Figure A-9/X.21 *(page 107)*

"T20 B" should be closed up and shown as "T20B".

Figure B-1/X.21 *(page 109)*

The value of parameter T3A should be added, i.e. "60", a "6" should be inserted as shown below:



a) For additional alternative assignments of DTE time-limits or DCE time-outs not shown together with the signalling sequence diagrams, see Table C-2/X.21.

b) For full details, see Table C-1/X.21.

FIGURE B-1/X.21

Example of sequence of events: successful call and clear for circuit-switched service (calling and clearing DTE)

2 s	T5	Change of state to *DTE clear request* (state 16)	Change of state to *DCE ready* (state 21)	DTE regards the DCE as *DCE not ready* and signals *DTE ready* (state 18)
2 s	T6	Change of state to *DTE clear confirmation* (state 20)	Reception of *DCE ready* (state 21)	

should be:

2 s	T5	Change of state to *DTE clear request* (state 16)	Change of state to *DCE ready* (state 21)	DTE regards the DCE as *DCE not ready* and signals *DTE ready* (state 18)
2 s	T6	Change of state to *DTE clear confirmation* (state 20)	Reception of *DCE ready* (state 21)	

36 s	T11	DCE signalling of *proceed-to-select* (state 3)	DCE reception of *end-of-selection* signal or in the case of direct call, *DTE waiting* (state 5)	DCE will signal *DCE clear indication* (state 19) or transmit appropriate *call progress* signals (state 7) followed by *DCE clear indication* (state 19)
6 s	T12	DCE signalling of proceed-to-select (state 3)	DCE reception of first selection character or in the case of direct call, *DTE waiting* (state 5)	
6 s	T13	DCE reception of nth selection character (state 4)	DCE reception of (n + 1)th selection character or *end-of-selection* signal	

should be:

36 s	T11	DCE signalling of *proceed-to-select* (state 3)	DCE reception of *end-of-selection* signal or in the case of direct call, *DTE waiting* (state 5)	DCE will signal *DCE clear indication* (state 19) or transmit appropriate *call progress* signals (state 7) followed by *DCE clear indication* (state 19)
6 s	T12	DCE signalling of proceed-to-select (state 3)	DCE reception of first selection character or in the case of direct call, *DTE waiting* (state 5)	
6 s	T13	DCE reception of nth selection character (state 4)	DCE reception of (n + 1)th selection character or *end-of-selection* signal	

Tableau I-2/X.21 *(page 132)*

In state No. L29, the "DTE transition to state No." should be "20" instead of "29".

3. *Recommandation X.25*

The title of § 6.28 in the list of contents *(page 158)*

"TOA/NEI" should be "TOA/NPI".

§ 4.4.2, third paragraph, last line *(page 215)*

"on a contribution basis" should read "on a contractual basis".

§ 5.2.1, first paragraph, second line *(page 219)*

"TDA/NZI" should be "TOA/NPI".

§ 5.2.1, third paragraph (Note), third line *(page 219)*

"TOA/NZI" should be "TOA/NPI".

§ 5.2.1, fourth paragraph, second line *(page 219)*

"TOA/NZI" should be "TOA/NPI".

Tables 1/X.25 and 2/X.25 *(page 162)*

All hyphens should be suppressed, see the corrected one following:

TABLE 1/X.25

Frame formats – Basic (modulo 8) operation

Bir order of transmission

12345678	12345678	12345678	16 to 1	12345678
Flag	Address	Control	FCS	Flag
F 01111110	A 8 bits	C 8 bits	FCS 16 bits	F 01111110

FCS Frame check sequence

Bit order of transmission

12345678	12345678	12345678		16 to 1	12345678
Flag	Address	Control	Information	FCS	Flag
F 01111110	A 8 bits	C 8 bits	Info N bits	FCS 16 bits	F 01111110

FCS Frame check sequence

TABLE 2/X.25

Frame formats – Extended (modulo 128) operation

Bit order of transmission

12345678 12345678 1 to *) 16 to 1 12345678

Flag	Address	Control	FCS	Flag
F 01111110	A 8 bits	C *) bits	FCS 16 bits	F 01111110

FCS Frame check sequence

Bit order of transmission

12345678 12345678 1 to *) 16 to 1 12345678

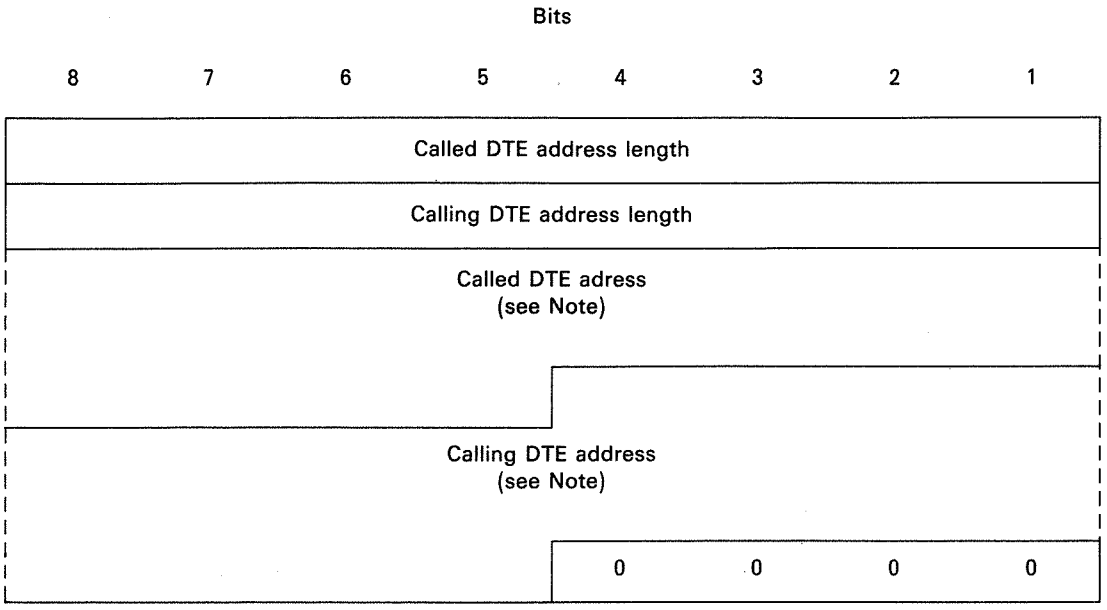
Flag	Address	Control	Information	FCS	Flag
F 01111110	A 8 bits	C *) bits	Info N bits	FCS 16 bits	F 01111110

FCS Frame check sequence

*) 16 for frame formats that contain sequence numbers; 8 for frame formats that do not contain sequence numbers.

Figure 5/X.25 (page 222)

This figure should be replaced by the following one:



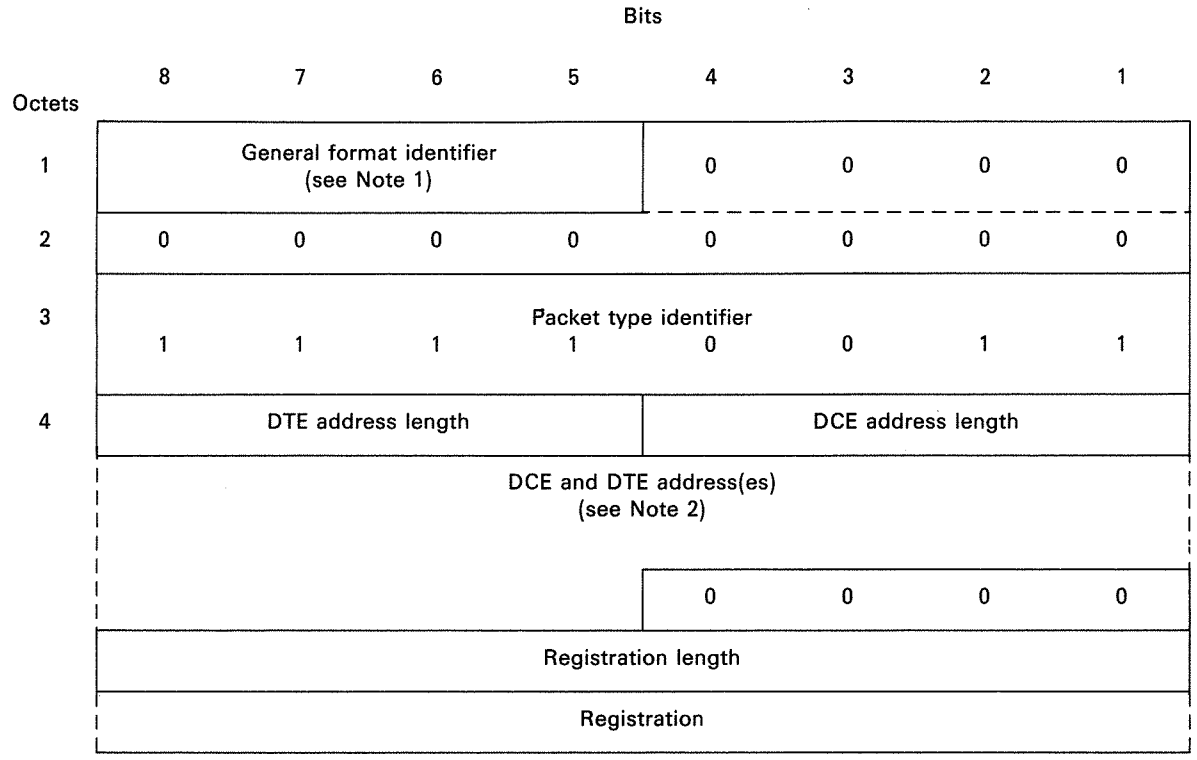
Note – The figure is drawn assuming the number of semi-octets present in the called DTE address field is odd and the number of semi-octets present in the calling DTE address field is even.

FIGURE 5/X.25

Format of the address block when the A bit is set to 1

Figure 21/X.25 (page 242)

This figure should be replaced by the following one (i.e. in the octet of "Registration length", "0" of bit 8 should be removed):



Note 1 – Coded 0001 (modulo 8) or 0010 (modulo 128).

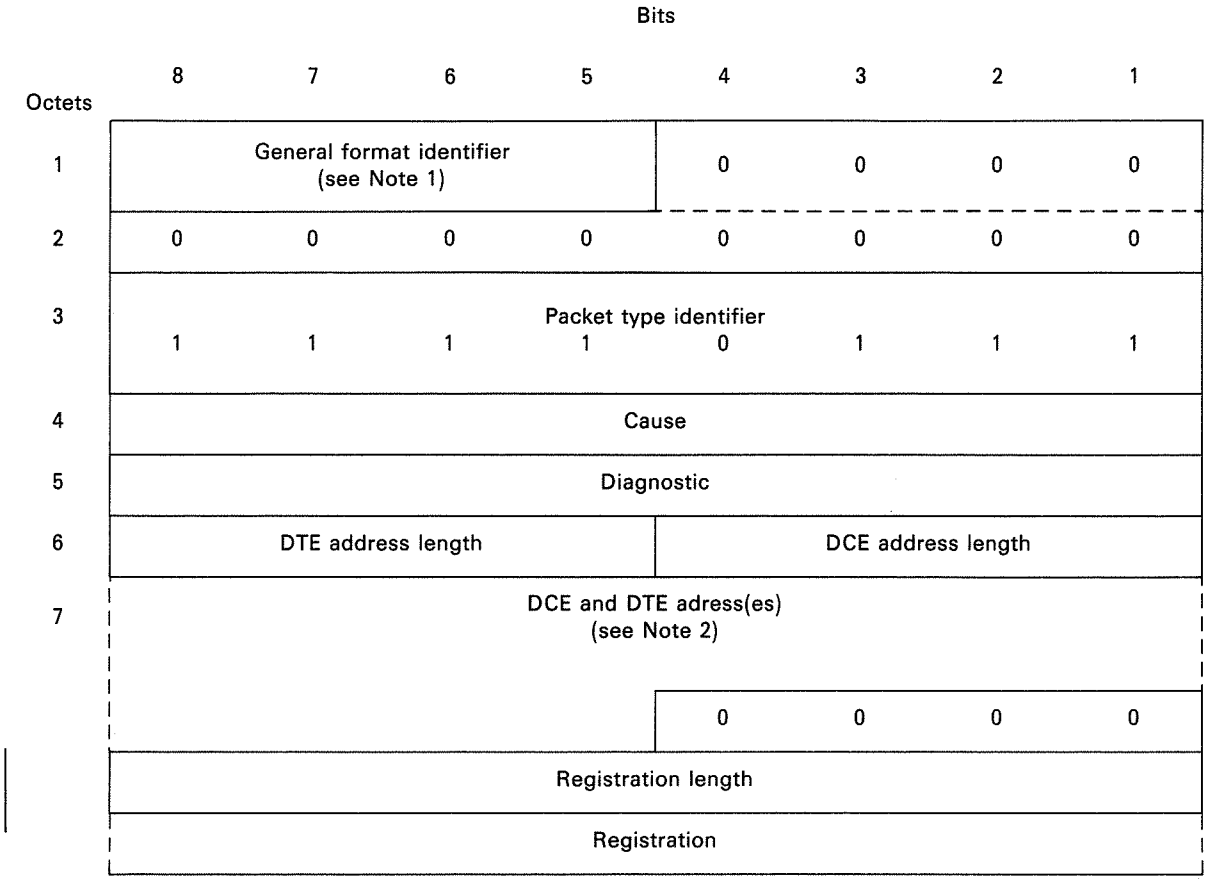
Note 2 – The figure is drawn assuming the total number of address digits present is odd.

FIGURE 21/X.25

Registration request packet format

Figure 22/X.25 *(page 243)*

This figure should be replaced by the following one (i.e. in the octet of "Registration length", "0" of bit 8 should be removed):



Note 1 – Coded 0001 (modulo 8) or 0010 (modulo 128).

Note 2 – The figure is drawn assuming the total number of address digits present is odd.

FIGURE 22/X.25

Registration confirmation packet format

Tables 13 and 15/X.25 *(pages 196 and 211)*

"TABLEAU" should be "TABLE".

§ 6.14.5, in the title *(page 252)*

The word "with" should be deleted.

§ 6.28, in the title and in the text *(page 263)*

"TOA/NPi" (5 times) should all be "TOA/NPI".

Figure B-2/X.25, b) *(page 281)*

"(see Note 6)" should be added after the statement "DTE clear confirmation or clear request".

Tableau C-2/X.25 – The second row to the last *(page 284)*

Packet having a packet type identifier which is shorter than 1 octet, with assigned logical channel	See Table C-3/X.25 or C-4/X.25 (see Note)	ERROR (r3)	DISCARD # 38

should be:

Packet having a packet type identifier which is shorter than 1 octet, with assigned logical channel	See Table C-3/X.25 or C-4/X.25 (see Note)	ERROR (r3) # 38	DISCARD

Annex H, the last line of the table *(page 305)*

The line "TOA/NPI address subscriptions" should be moved towards the most left side to align with the line "call redirections and call deflections related facilities.

Appendix II, first line *(page 307)*

"link level" should be "data link layer".

Title of § 3 *(page 204)*

"packet level" should be "packet layer".

First line of § 4.6.3 *(page 217)*

"ocndition" should be "condition".

Title of Figure 16/X.25 *(page 238)*

"reste" should be "reset".

Title of § 7.2.2.11 *(page 272)*

"call restriction" should be "call redirection".

Table C-3/X.25, the fourth row *(page 286)*

"call request" should be "clear request".

Table C-3/X.25, case a), 2nd table, Item 8 *(page 288)*

"geater than 109" should be "greater than 109".

4. *Recommendation X.28*

§ 3.2.1.5, the 7th paragraph, item c) *(page 330)*

"editing character sin" should be "editing characters in".

§ 3.5.6.2, second paragraph *(page 336)*

"3.15(?)" should be "3/15(?)".

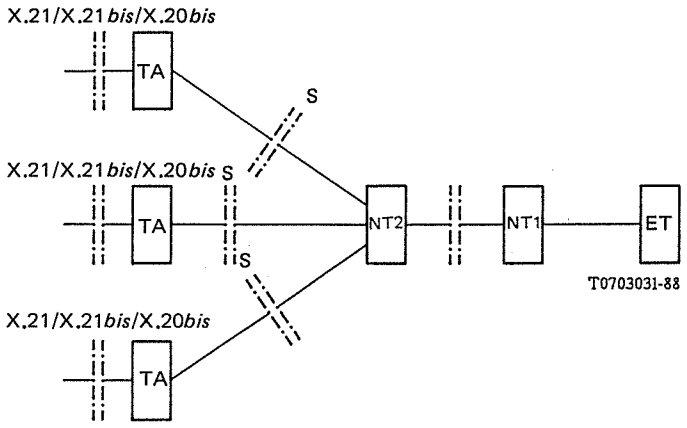
Table 4/X.28 *(page 338)*

"5/O(Q)" should be "5/1(Q)".

4. *Recommendation X.30*

Figure 1-1/X.30 (page 382)

This figure should be replaced by the right one shown as follows:



TA Terminal adaptor
NT Network termination
ET Exchange termination

Note 1 – For ISDN reference configurations see Recommendation I.430.

Note 2 – The ISDN signalling protocol is described in Recommendations Q.921 and Q.931.

FIGURE 1-1/X.30

Customer access configuration example

Figure 2-3/X.30 (page 386)

In the sixth block of 8 kbit/s channel,

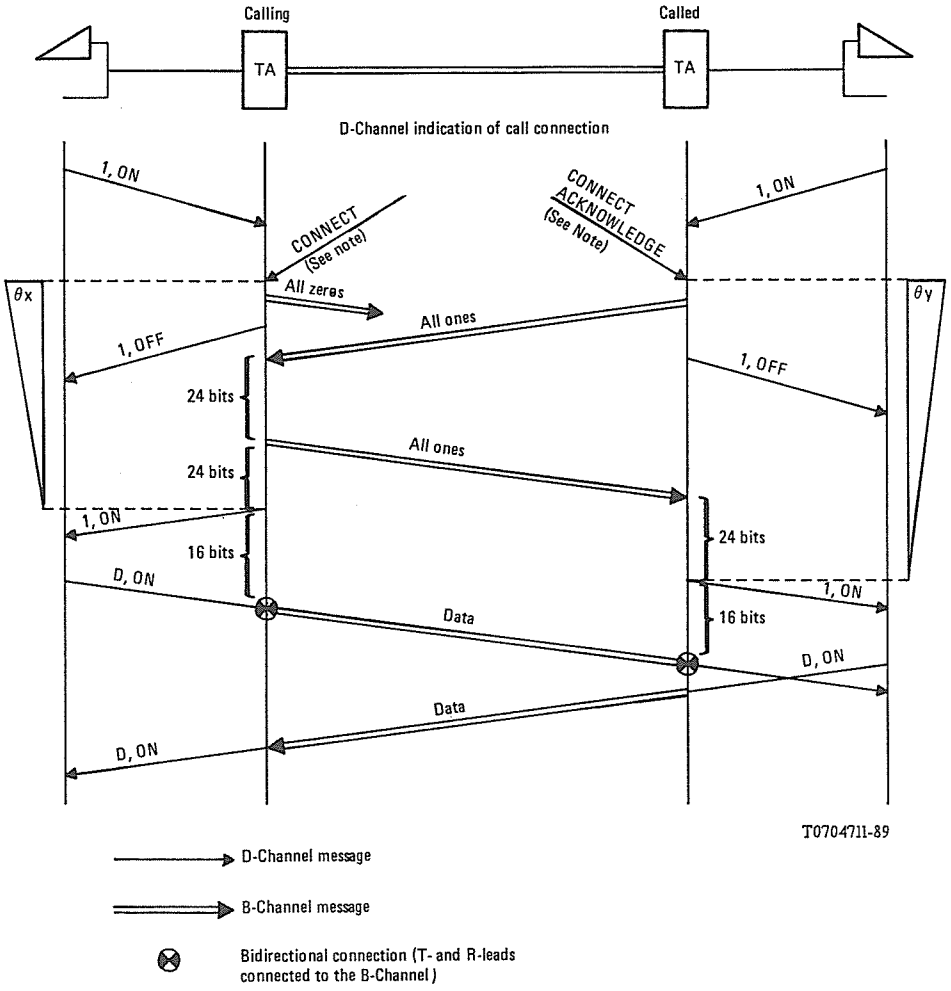
« | 1, Q5.....R2, SP | »

should read:

« | 1, Q5.....R2, SR | »

Figure 2-13/X.30 *(page 405)*

This figure should be corrected (i.e. in the middle, "All zeros" should be "All zeros") as follows:



Note – The TA will only indicate ready for data after completing delivery to the DTE of any DCE provided information.

The receipt of a CONNECT message by the calling TA may occur before or after the receipt of a CONNECT ACKNOWLEDGE message by the called TA.

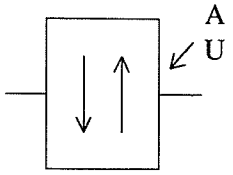
FIGURE 2-13/X.30

The operational sequence to effect ready for data alignment at a user rate of 64 kbit/s

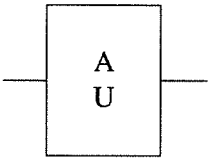
6. *Recommendation X.31*

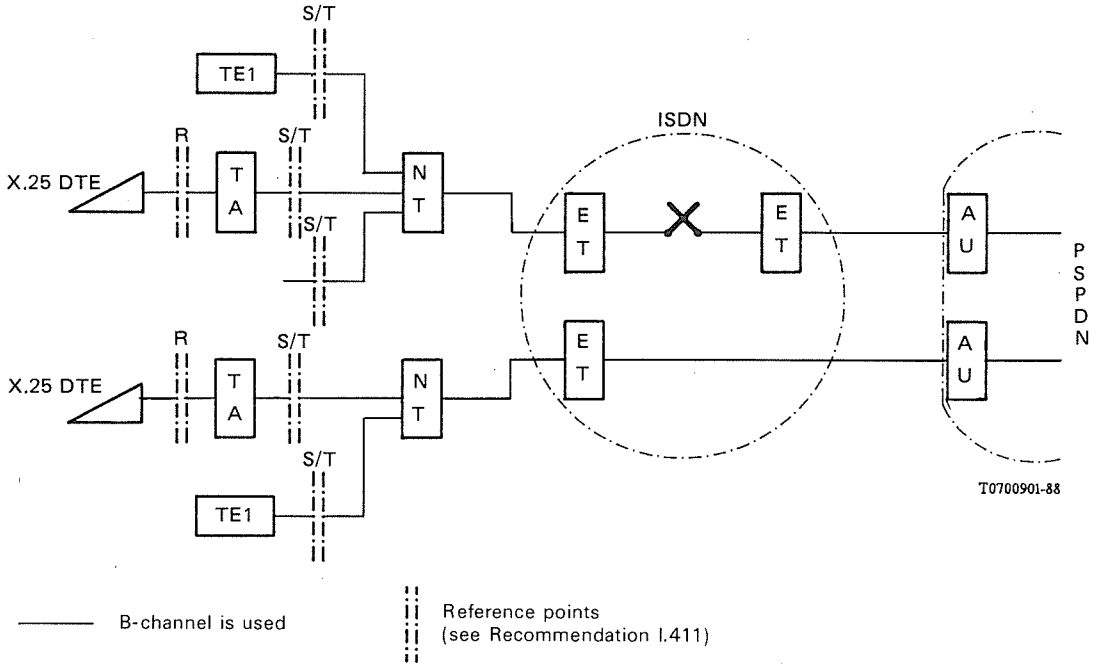
Figure 2-1/X.31 *(page 427)*

This figure should be corrected as follows, i.e. at the right hand side:



should be:





AU ISDN access unit ports
TA Terminal adaptor
NT Network termination 2 and/or 1
ET Exchange termination
TE1 Terminal equipment 1

Note 1 – This figure is only an example of many possible configurations and is included as an aid to the text describing the various interface functions.

Note 2 – See Recommendation X.325 for interworking guidelines.

FIGURE 2-1/X.31

Configuration when accessing PSPDN services

Titles of § 7.3.3.2.2 *(pages 425 and 454)*

"Actions at the reference point" of both pages should read "Actions at the R reference point".

§ 7.1, third paragraph, second bulletin *(page 449)*

"between the S/T and the reference point" should read "between the S/T and the R reference point".

§ IV.1, the paragraph beginning with "However . . .", first line *(page 476)*

"at the reference point" should read "at the R reference point".

Figure III-7/X.31 *(page 472)*

In the text on the bottom left, "B-channel" should be "D-channel".

7. *Recommendation X.32*

§ 2.4.2, 6th paragraph, 1st line of b) *(page 491)*

"prio r" should be "prior".

§ 3.1.3.1, the last line of b) *(page 494)*

"dial-in part" should be "dial-in port".

§ 5.4.2, 1st line *(page 511)*

"acces" should be "access".

§ 7.2.2, 6th paragraph, 1st line *(page 521)*

"data and time" should be "date and time".

§ 7.2.2, last paragraph, 2nd and 3rd lines *(page 522)*

"call connected" (two times) should be in italics.

Title of Table 8/X.32 *(page 522)*

"TABLEAU" should be "TABLE".