TYPE: CO Control Character Set	REGISTRATION NUMBER: **134**
	DATE OF REGISTRATION: 31st July 1987

	G0: -
	G1: -
ESCAPE SEQUENCE:	G2: -
	G3: -
	C0: ESC 2/1 4/10
	C1: -

NAME   Primary Control Set of Data Synatx II of CCITT
Rec. T.101.

DESCRIPTION

A control character set comprising of 18 control characters
for use as a CO set in videotex applications. The remai-
ning 14 code positions shall not be used.

SPONSOR   CCITT, Comité Consultatif International Télégraphique
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ORIGIN
CCITT Rec. T.101, Data Syntax II

FIELD OF UTILISATION

Videotex applications.

This registration is sponsored by CCITT. If required at a later stage, this registra-
tion may be amended under the procedure of clause 8.2 of ISO 2375. In this case the
already allocated escape sequence will remain unchanged.

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CO SET

7-bit coding

b7 b6 b5	0 0 0	0 0 1
b4 b3 b2 b1	0	1
0 0 0 0 0	NUL	
0 0 0 1 1		CON
0 0 1 0 2		RPT
0 0 1 1 3		
0 1 0 0 4		COF
0 1 0 1 5		
0 1 1 0 6		
0 1 1 1 7		
1 0 0 0 8	APB	CAN
1 0 0 1 9	APF	SS 2
1 0 1 0 10	APD	
1 0 1 1 11	APU	ESC
1 1 0 0 12	CS	
1 1 0 1 13	APR	SS 3
1 1 1 0 14	LS1	APH
1 1 1 1 15	LS0	APA

8-bit coding

b8 b7 b6 b5	0 0 0 0	0 0 0 1
b4 b3 b2 b1	00	01
0 0 0 0 00	NUL	
0 0 0 1 01		CON
0 0 1 0 02		RPT
0 0 1 1 03		
0 1 0 0 04		COF
0 1 0 1 05		
0 1 1 0 06		
0 1 1 1 07		
1 0 0 0 08	APB	CAN
1 0 0 1 09	APF	SS 2
1 0 1 0 10	APD	
1 0 1 1 11	APU	ESC
1 1 0 0 12	CS	
1 1 0 1 13	APR	SS 3
1 1 1 0 14	LS1	APH
1 1 1 1 15	LS0	APA

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Acronym	Name	Description
NUL	NULL	A control character that can be sent to a terminal without any effect but to provide a time filling function.
APB	ACTIVE POSITION BACK	A format effector which causes the active position to move backwards one character position on the same row. APB on the first character position on the row moves the active position to the last character position of the preceding row. APB on the first character position of the first row moves the active position to the last character position of the last row in the defined display area.
APF	ACTIVE POSITION FORWARD	A format effector which causes the active position to move forward to the next character position on the same row. At the last position on the row this format effector moves the active position to the first character position on the following row. APF on the last character position of the last row moves the active position to the first character position on the first row in the defined display area.
APD	ACTIVE POSITION DOWN	A format effector which causes the active position to move to the equivalent character position on the following row. APD on the last row moves the active position to the equivalent character position on the first row in the defined display area.
APU	ACTIVE POSITION UP	A format effector which causes the active position to move to the equivalent character position on the preceding row. APU on the first row moves the active position to the equivalent character position on the last row in the defined display area.
CS	CLEAR SCREEN	A format effector which causes the active position to be moved to the first character position of the first row in the defined display area and causes all character positions to be filled with spaces with all attributes set to the default condition.
APR	ACTIVE POSITION RETURN	A format effector which causes the active position to move to the first character position of the same row.
LS1	LOCKING SHIFT ONE	A control character which invokes the G1 set into columns 2-7 of the code table.
LS0	LOCKING SHIFT ZERO	A control character which invokes the G0 set into column 2-7 of the code table.
CON	CURSOR ON	A device control which causes the active position to be indicated.
RPT	REPEAT	A control character followed by a one-byte parameter which indicates the number of repetitions of the immediately preceding graphic character. The number of repetitions is given in binary form by the 6 least significant bits of the bit combination representing the parameter following RPT which is taken from columns 4 to 7. The preceding graphic character itself is not included in the count. This function does not apply to control characters.
COF	CURSOR OFF	A device control which terminates the action of CON.

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Acronym	Name	Description
CAN	CANCEL	A control character which fills all character positions from the active position to the end of the row with SPACEs. The active position is then returned to its previous location.
SS2	SINGLE SHIFT TWO	A control character which invokes a single character from the G2 set.
ESC	ESCAPE	A control character that is used to provide additional control functions other than transmission control functions and that alters the meaning of a limited number of contiguously following bit combinations.
SS3	SINGLE SHIFT THREE	A control character which invokes a single character from the G3 set.
APH	ACTIVE POSITION HOME	A format effector which causes the active position to be moved to the first character position of the first row of the defined display area.
APA	ACTIVE POSITION ADDRESS	A control function followed by a two- or four-byte parameter. All parameter bytes shall be the range 4/0 to 7/15 and represent respectively the row address and the column address in binary form, with six useful bits (bit 6 being the most significant bit) of the first character to be displayed.
		If the format exceeds either 63 rows or 63 columns then both parameters (i.e. the row and the column address) are coded as a two-byte sequence with 12 useful bits, the first byte carrying the most significant bits. The location addressed by APA, 4/1, 4/1 (or APA 4/0, 4/1, 4/0, 4/1 if the format exceeds either 63 rows or 63 columns) is the top left-hand location of the defined display area.
		If the first byte following APA is not within the range 4/0 to 7/15, this sequence indicates a switch to an alternative coding scheme.

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