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6.1 LINE SIGNALLING TABLE: K (+ DP/MFC)

LINE SIGNALLING: K (+ DP/MFC) PART 1

SIGNAL	Fw / Bw	Digital Code Fw ABCD	Digital Code Bw ABCD	Note	Application Options H DP	H MFC	M DP	M MFC
Blocking	<—	10CD	11CD	2) 13)	X	X	X	X
Rest	<—	10CD	10CD		X	X	X	X
Seizure	—>	00CD	10CD		X	X	X	X
Seizure acknowledgment	<—	00CD	11CD	3)	X	X	X	X
MFC	<—>	00CD	11CD	4)	-	X	-	X
Decade selection	—>	0+CD	11CD	5) 14)	X	(X)	X	(X)
Answering	<—	00CD	01CD	6) 15) 16) 17) 21)	X	X	X	X
Clearing	<—	00CD	11CD	7)	X	X	-	-
Repeated answering	<—	00CD	01CD		X	X	-	-
Metering pulse	<—	00CD	0-CD	8) 15) 16) 17)	-	-	X	X
Pulse spacing	<—	00CD	01CD	15) 17)	-	-	X	X
Backward release	<—	00CD	00CD	9)	X	X	X	X
Release	—>	10CD	XXCD	10)	X	X	X	X
Tracing	<—	00CD	10CD	11) 13) 18)	X	X	-	-
Breaking-in	—>	01CD	11CD	12) 18)	X	X	-	-

LINE SIGNALLING: K (+ DP/MFC) PART 2

SIGNAL	Fw / Bw	Digital Code Fw ABCD	Digital Code Bw ABCD	Note	Application Options U1/DP loc	U1/DP toll	U1/MFC loc	U1/MFC toll	U2/MFC M	U2/MFC H
Blocking	<—	10CD	11CD	2) 13)	X	X	X	X	X	X
Reset	<—	10CD	10CD		X	X	X	X	X	X
Seizure	—>	00CD	10CD		X	X	X	X	X	X
Seizure acknowledgment	<—	00CD	11CD	3)	X	X	X	X	X	X
MFC	<—>	00CD	11CD	4)	-	-	X	X	X	X
Decade selection	—>	0+CD	11CD	5) 14)	X	X	(X)	(X)	(X)	(X)
Answering	<—	00CD	01CD	6) 15) 16) 17) 21)	X	-	X	-	X	X
Clearing	<—	00CD	11CD	7)	X	-	X	-	-	X
Repeated answering	<—	00CD	01CD		X	-	X	-	-	X
Metering pulse	<—	00CD	0-CD	8) 15) 16) 17)	-	X	-	X	X	-
Pulse spacing	<—	00CD	01CD	15) 17)	-	X	-	X	X	-
Backward release	<—	00CD	00CD	9)	-	X	-	X	X	X
Release	—>	10CD	xxCD	10)	X	X	X	X	X	X
Tracing	<—	00CD	10CD	11) 13) 18)	X	-	X	-	-	X
Breaking-in	—>	01CD	11CD	12) 18)	-	-	-	-	-	X

7.1 LINE SIGNALLING TABLE: T (+ MFC)

LINE SIGNALLING: T (+ MFC)

SIGNAL	Fw	Digital Code Bw	Digital Code Fw ABCD	Digital Code Bw ABCD	Note	Application Options H	M	M	U H
Blocking	<—	1BCD	0BCD			X	X	X	X
Rest	<—	1BCD	1BCD			X	X	X	X
Seizure	—>	0BCD	1BCD		2) 3)	X	X	X	X
MFC	<—>	0BCD	1BCD		4)	X	X	X	X
Breaking-in input	—>	0BCD	1BCD		5) 6)	X	-	-	X
Breaking-in output	—>	0BCD	1BCD		5) 7)	X	-	-	X
Answering	<—	0BCD	0BCD		8)20)	X	X	X	X
Clearing	<—	0BCD	1BCD		9)	X	-	-	X
Repeated answering	<—	0BCD	0BCD		8)	X	-	-	X
Metering pulse	<—	0BCD	+BCD		10)	-	X	X	-
Backward release	<—	0BCD	1BCD		11)	-	X	X	-
		0BCD	-BCD		12)	-	X	X	-
Release	—>	1BCD	xBCD		13)16)	X	X	X	X
Release acknowledgm	<—	1BCD	0BCD		14)	X	X	X	X
		1BCD	-BCD		15)	X	X	X	X

Abbreviations:

Fw	forward direction
Bw	backward direction
H	supervisory option
M	metering option
U	universal option
A,B,C,D	bits in 16th channel
MFC	MFC signalling
+	0/1/0 change, time parameters see Note 10)
-	1/0/1 change, time parameters see Note 12)

Abbreviations:

+	0/1/0 change, time parameters see Note 5)
-	1/0/1 change, time parameters see Note 8)
x	arbitrary (state 0 or state 1)
H	supervisory option
M	metering option
loc	local traffic
toll	toll service
DP	decade selection
Fw	forward diredtion
Bw	backward direction
A,B,C,D	bits in 16th channel
MFC	MFC signalling
U1	universal option for lower network levels
U2	universal option for higher network level

Notes:

1) Sighal change evaluation time, if not otherwise stated — 20 to 30 ms

2) Minimum transmission time — 180 ms

3) Maximum time to elapse between the transmission of seizure signal and the receipt of seizure acknowledgment signal — 200 ms

4) MFC signalling: refer to the chapter titled "MFC Signalling" of Supplement 1.

5) The time parameters of decade selection: refer to the chapter titled "Decade Selection", of Supplement 1

6) Minimum time of transmission — 600 ms

7) Minimum time of transmission — 600 ms

8) Transmission — 95 $\pm$ 5 ms
Evaluation — 30 to 400 ms

9) Minimum time of transmission — 600 ms
Evaluation — 400 ms

10) Minimum time of transmission — 180 ms
Evaluation — 100 ms

11) Minimum time of transmission — 600 ms

12) Minimum time of transmission — 600 ms
Evaluation — 500 ms

13) On receiving a release into the state of tracking, the change into rest state is made always through the state of blocking.

14) After "A9" MFC signal is received, MFC signalling will be changed into decade selection transmission.

15) With toll service, using U1 universal option, the metering pulse (00) indicates also the state of answering. The following signal (01) is a spacing between the metering pulses.

16) With the metering pulses, as with the metering information of U2 universal option, the metering pulse (00) will be transmitted [illegible] as often the answering signal (01).

17) The answering signal (01) or metering pulses (00) or the metering pulse spacing shall not be transmitted to the metering time with decade selection, if the accounting point has to prevent accounting. The same applies after "B7" MFC signal has been received.

18) The tracing signal must be ignored, if received after the signal of of breaking-in has been transmitted.

19) Bits C,D are permanantly in the following states:
$C_F = C_B = 0$
$D_F = D_B = 0$

20) A disconnected signal wire, in the analog alternative of K signalling (2 x E +M) means "1" status of the bit concerned, i.e. A_F, A_B, B_F or B_B.

21) When a breaking-in signal has been received, the answering signal has to be transmitted only after the breaking-in signal termination.