

V.140

(2005/01)

ITU-T

:V

64

/ 56

ITU-T V.140



ITU-T

V.9 - V.1

V.34 - V.10

V.39 - V.35

V.49 - V.40

V.59 - V.50

V.99 - V.60

V.199 - V.100

V.249 - V.200

V.299 - V.250

V.399 - V.300

/ 56 64

V.140

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(2

V.140

V.8/V.8

H.221

/V.140
(FAS)

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/ 56 64)

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(V.8)

8

7

- 3

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H.320
V.140

1

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11

A

ASN.1

.2004

1998

.H.324

/F

ITU-T V.140

2005

8

(2008-2005) 16

.A.8

(ITU-T)

(WTSA)

1

(IEC)

(ISO)

(" ")

" "

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" "

(TSB)

© ITU 2005

1				1
1				2
2				3
3				4
3				5
4				6
4	V.140	- 1	1.6	
5		- 2	2.6	
5		- 3	3.6	
5	V.140		4.6	
5	V.140		5.6	
6	(PSDSN)		6.6	
6				7
7	.....				8
7	.....			1.8	
8	.....	V.140	- 1	2.8	
12	.....		- 2	3.8	
15	.....		3	4.8	
17	.....	3	(HDLC)	5.8	
19	.....				9
19	.....			1.9	
20	.....		- 1	2.9	
22	.....		- 2	3.9	
26	.....		- 3	4.9	
28			5.9	
29		V.140		10
30	3	(PDU)	ASN.1	- A

/ 56 64

1

.(ISDN)

H.324 H.320

(ISDN)

H.323

.H.323

V.140

V.140

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.(ITU-T)

H.200/AV.420

V.140

D

.(/ 56) / 64

2

(PCM)

(1988) ITU-T G.711

-

kbit/s 1920 64

(2004) ITU-T H.221

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(2004) ITU-T H.242

-

Mbit/s 2

(2004) ITU-T H.320

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				(2002) ITU-T H.324	-
				(2000) ITU-T V.8	-
				(2000) ITU-T V.8	-
		(DTE)		(DCE)	
:(ASN.1)	-		2002 : ISO/IEC 8824-1	(2002) ITU-T X.680	-
	-		2002 : ISO/IEC 8825-2	| (2002) ITU-T X.691	-
				- ASN.1	
	-			1993 : ISO/IEC 3309	-
	-			1995 : ISO/IEC 13871	-
					3
				:	
			/ 56	:C56	1.3
			/ 64	:C64	2.3
	8 7		/ 64	:R64	3.3
				/ 56	
				:	4.3
				:	5.3
				G.711	
				V.35	
		.R64	C56	:	6.3
				.C64	
				:	7.3
				8	8.3
			.2 1		
		(HDLC)		:(PDU)	9.3
				.3	
56				:(PSDSN)	10.3
	.TIA/EIA-596			"56 "	/
	.C64				

/	56	B	:	11.3
	.	"1"	H ₀	
	.	R64	C56	
		B A	:	12.3
	B	A		(ISDN)
		A	B	(ISDN)
	2		:(RSP)	13.3
		RSP		
			7	: 14.3
V.140			:(SP)	15.3
			:	16.3
			... 4 3 2 1	
	.4		4	
			:	17.3
		.(MCU)		
			:	4
			:	
		(Bearer Capability)		BC
		(Compatible Protocol Field)		CPF
		(Frame Check Sequence)		FCS
		(General Switched Telephone Network)		GSTN
		(Integrated Services Digital Network)		HLC
		(Frame Check Sequence)		ISDN
		(Pulse Code Modulation) (ITU-T G.711)		PCM
		(Protocol Data Unit)		PDU
		(Public Switched Data Service Network)		PSDSN
		(Reflected Signature Pattern)		RSP
		(Signature Pattern)		SP
		(Unrestricted Digital Information)		UDI
				5
			" "	

“ ”
“ ”

ASN.1

6

V.8/V.8) /V.140 - 1 •
H.221
:(
.(/ / 56 64) - 2 •
(V.8) - 3 •
(H.324 H.320) 3
V.140
)
(/ 64
.V.140
) H.320 V.140
) V.8/V.8 (GSTN) (H.221 (FAS)
(V.8/V.8
V.140
:
V.140 - 1 1.6
1
.V.140
V.140
/ 48 G.711
V.140
(GSTN) H.320 (GSTN)
(6.5) (ISDN) H.320
V.140
.2 .V.140
V.140 V.140
V.140 .V.140
.V.140

- 2 2.6

() / 56 64
/ 64 (ISDN)

64) (/ 56) (/ (SP)

(SP) (SP)

.3

- 3 3.6

(56) 64 (HDLC)

(you Choose)

3

V.140 4.6

.G.711

" " 1 V.140

V.140 5.6

1 V.140

.V.140

V.140

: G.711

.(1.2.8) 1 6 G.711

: H.320 V.140

H.221 H.320

(2.2.8 1.2.8) V.140 1 (ITU-T)

(A) H.320

1 V.140

) (GSTN)

: ((ITU-T) V.34

1 V.8 V.8 (GSTN) •
 (2.2.8) V.140
 1 V.140 V.8 V.8 •
 / (ISO) 13871 : (IEC) •
 13871 (IEC) / (ISO) •
 V.140 1 (IEC) / (ISO) •
 V.140 (13871)
 1 V.140 •
 : (PSDSN) 6.6
 / 64 (ISDN) (PSDSN) (ISDN)
 (ISDN) (CSU) (PSDSN) (ISDN)
 (CSU) (PSDSN) (CSU)
 (CSU) (CSU)
 . TIA/EIA-596
 . (PSDSN)
 7
 :
 - / 64 (R64) (C64) •
 / 56 (C56) •
 (H₀) H₀ •
 (H₁₁) H₁₁ •
 . (H₁₂) H₁₂ •
 R64 C64 / 64
 R64 C64
 13871
 (IEC) / (ISO)

8 7 / 64 C64
 / 64 R64
 8 / 56
 1 R64
 2 R64 C64

C64 R64
 "1" 8
 .C56
 / 56 C56
 64 (TS) H₁₂ H₁₁ H₀ /
 .(ITU-T) H.221
 (TS)

.(TS) (TS)
 / 64 B H₀ H₁₂ H₁₁ H₀
 H₁₂ H₁₁

) 2 1 8
 .((ITU-T) H.221 1.8
 .C56 C64
 3 2 1" 1
 8 7 1 C56 "5 4
 1
 .C64 8
 G.711 1
 8 (ISDN)
 G.711
 ()

" "

- V.140/1

" "	" "
28	2A
30	2E
A8	AA
A8	AC
B0	AE

80

80

8

7

(CPF)

16 1

.7

."1"

80 V.140

1

G.711

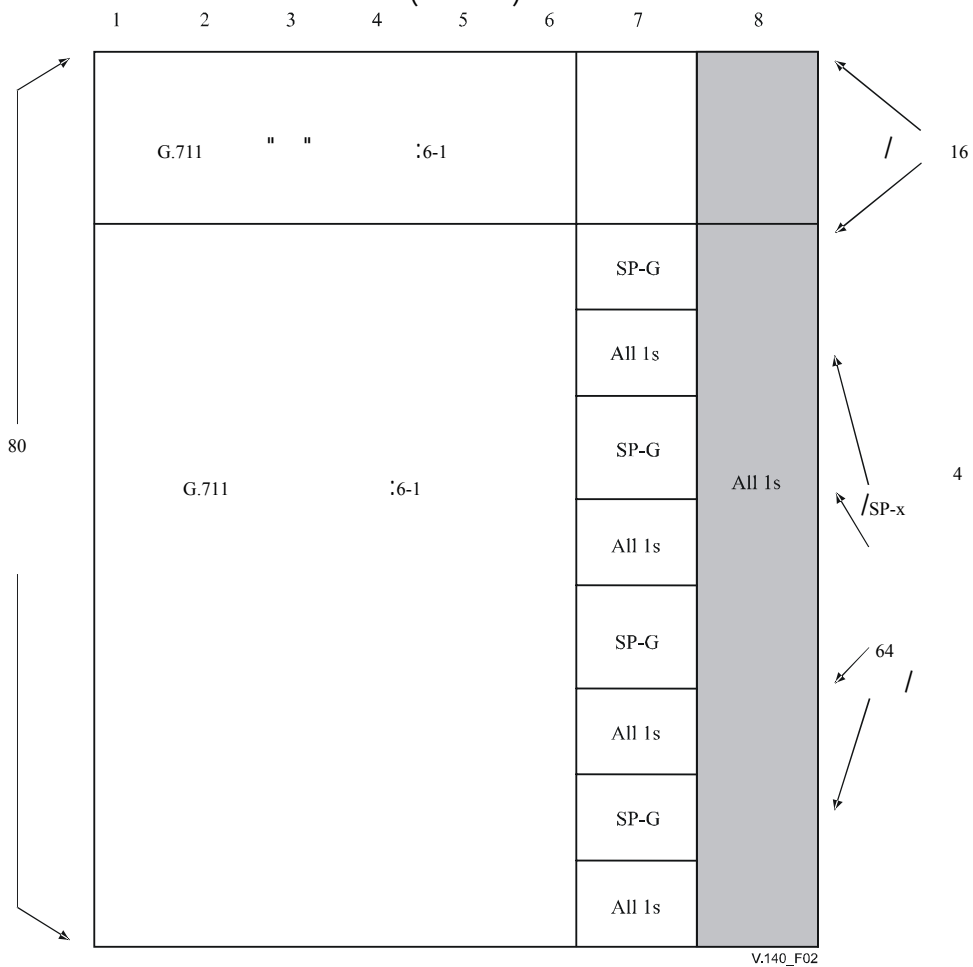
H.221

G.711

8 7

.G.711

()



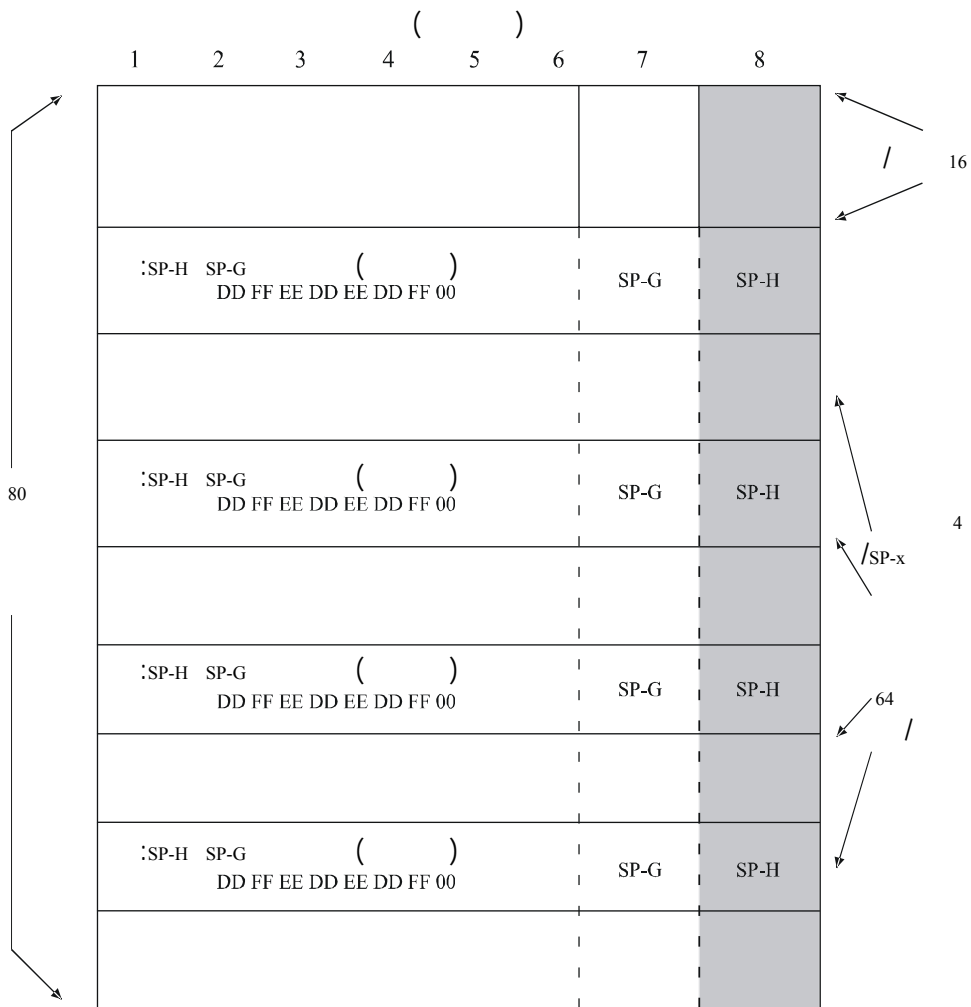
V.140_F02

1

- V.140/2

(C56

)



V.140_F03

1 - V.140/3

(C56)

(SP)

3.2.8

8 (SP)

V.140

(SP)

8

(SP)

(SP)

4

3

(SP)

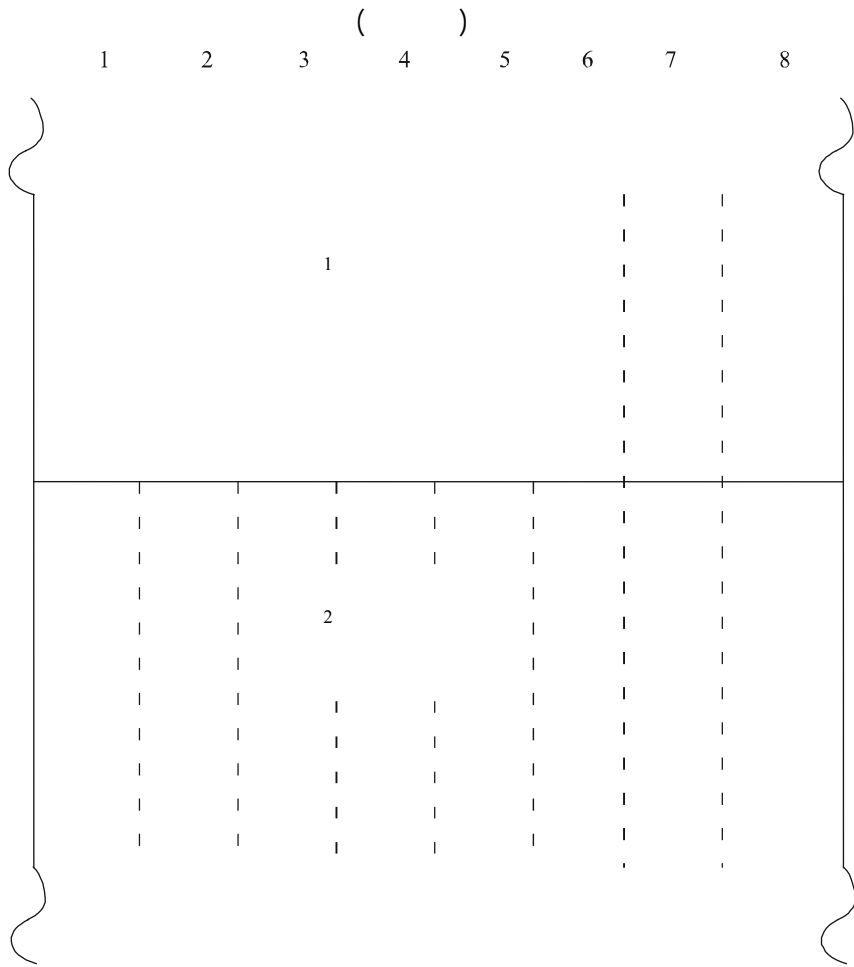
- V.140/3

10101100	SP-A	1
01011010	SP-B	2
10110110	SP-C	3
01101100	SP-D	4
11011010	SP-E	5
10110100	SP-F	6
01101010	SP-G	7
11010110	SP-H	8

8	7	6	5	4	3	2	1	
1	0	1	1	0	1	0	1	1
1	1	0	1	1	0	1	0	2
0	1	1	0	1	1	0	1	3
1	0	1	1	0	1	1	0	4
0	1	0	1	1	0	1	1	5
1	0	1	0	1	1	0	1	6
1	1	0	1	0	1	1	0	7
0	0	0	0	0	0	0	0	8

- V.140/4

.2 .SP-H SP-G 1
 - 2 3.8
 .B A 2
 8 .
 2 .
 .(5) 1



V.140_F05

2 1 - V.140/5

2c 2b 2a B A

B A 7 1 C56

.2c 2b 2a : 2

- 2a 1.3.8

(SP) 2a A

(SP) (SP)

(SP)

B

B A 2a 6

(LSB) 8	7	6	5	4	3	2	(MSB) 1	
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	1
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	2
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	3
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	4
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	5
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	6
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	7
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	8
1	1	1	1	1	1	1	1	9
1	1	1	1	1	1	1	1	10
1	1	1	1	1	1	1	1	11
1	1	1	1	1	1	1	1	12
1	1	1	1	1	1	1	1	13
1	1	1	1	1	1	1	1	14
1	1	1	1	1	1	1	1	15
1	1	1	1	1	1	1	1	16

2a - V.140/6

(SP)

- 2b

2.3.8

A (SP)

2b

.2.1.3.9

(2a)

(SP)

2b

A

.2.1.3.9 (RSP)

(RSP) "

" B

B (RSP)

.2b

7

(LSB) 8	7	6	5	4	3	2	(MSB) 1	
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	1
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	2
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	3
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	4
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	5
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	6
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	7
SP-H	SP-G	SP-F	SP-E	SP-D	SP-C	SP-B	SP-A	8
(SP)				(RSP)				9
(SP)				(RSP)				10
(SP)				(RSP)				11
(SP)				(RSP)				12
(SP)				(RSP)				13
(SP)				(RSP)				14
(SP)				(RSP)				15
(SP)				(RSP)				16

2b - V.140/7

(RSP)

- 2c

3.3.8

B (RSP)

2c

.(RSP)

2c A

2.1.3.9 (RSP)

(RSP) " " B

.(2b)

.2c 8

(LSB) 8	7	6	5	4	3	2	(MSB) 1	
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	3
1	1	1	1	1	1	1	1	4
1	1	1	1	1	1	1	1	5
1	1	1	1	1	1	1	1	6
1	1	1	1	1	1	1	1	7
1	1	1	1	1	1	1	1	8
(SP)					(RSP)			9
(SP)					(RSP)			10
(SP)					(RSP)			11
(SP)					(RSP)			12
(SP)					(RSP)			13
(SP)					(RSP)			14
(SP)					(RSP)			15
(SP)					(RSP)			16

2c - V.140/8

3 4.8

3

.V.140

(PDU) 3

X.680

ASN.1

(HDLC)

X.691

(ITU-T)

PDU

A

(PDU)

.PDU

(HDLC)

3

3

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:

(2

.(4.3.9)

3

: (PDU) 3

(roleAndCapability) •

(youChoose) •

(modeSelect) •

(modeSelectAcknowledge) •

(terminate) •

(nonStandard) •

(PDU)

(roleAndCapability) (PDU) 1.4.8

(PDU)

()

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(PDU) (PDU)

32

)

3 (

(PDU)

A

(PDU) -

(modeSelect) (PDU) 2.4.8

(PDU)

(PDU)

.V.140

(PDU)

(PDU) (youChoose) (PDU) 3.4.8

(PDU) (youChoose) (PDU) 4.4.8

(PDU) (PDU) 5.4.8

.V.140 (PDU) 5.8

V.8 V.140 (ITU-T)

8	7	6	5	4	3	2	1	
								1
								2
0	1	1	1	0	0	1	1	
0	1	1	0	0	0	1	0	
0	1	1	0	0	0	0	1	
0	1	1	0	0	1	0	0	
() (FCS)								N-2
() (FCS)								N-1
								N

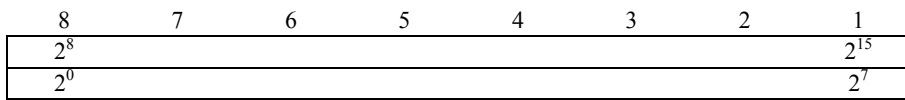
3 - V.140/9

1.5.8

.N 1 .8 1 10 1 (FCS) 8 (MSB)

8	7	6	5	4	3	2	1	
								1
								2
								...
								N

- V.140/10



(FCS)

- V.140/11

2.5.8

(HDLC) (01111110)
 .(IEC) / (ISO) 3309
 .()
 . (FCS)

3.5.8

(73 62 61 64)
 (PDU)
 .(HDLC)

4.5.8

ASN.1 (PDU) .A (PDU)
 (ITU-T) X.691

ASN.1
 .8 1

5.5.8

3309 .() 16 (FCS)
 (IEC) / (ISO)
 : (2)
 $x^k (x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1)$ ()
 $k \quad x^{16} + x^{12} + x^5 + 1 \quad (2 \quad)$
 (FCS)
 $x^{16} \quad x^{16} + x^{12} + x^5 + 1 \quad (2 \quad) \quad ($
 (FCS)

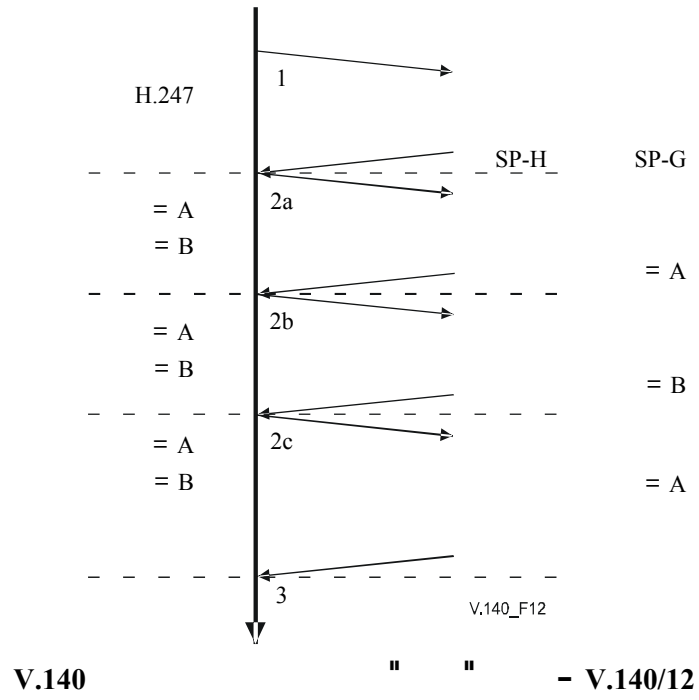
()
 . 16 (FCS)

(2) x^{16}
 (FCS)
 .
 $(\quad x^{16} + x^{12} + x^5 + 1$
 $x^0 \quad x^{15}) 0001110100001111$

6.5.8

) (FCS)

(



80 1 :1 •
 B :2 •
 .(HDLC) :3 •
 1.9

D (ISDN) 1.1.9

"2" (BC) (ISDN) "1" (HLC) (ISDN)
 4 (HLC) (ITU-T) (BC) .5 Q.850
 (HLC) (BC)

.5

-

)
 .((ITU-T) Q.931) (PSTN)
 (BC) 5
 .
 (ISDN)
 .3 (HLC) (BC)
 (BC)
 .3 (HLC)
 (BC) -V.140/4
 ((ITU-T) Q.931)

(ITU-T) Q.850)	(ITU-T) Q.850)
	18
	57
	58
	63
	65
	88

(HLC) (BC) - V.140/5
 (ISDN)

(HLC)	() (BC)	
	/	1
	(UDI)	2
	/ 56 (UDI)	3
	3,1	4
		5

- 1 2.9

G.711

.V.140

.
 .
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 1
 .

1
 G.711
 1

•
 •

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1.2.8

1

.2.2.8

1

(CPF)

1

1

.V.140

.SP-H SP-G

8

()

V.140

1

.V.140

(SP)

1.2.2.9

V.140

(1

.3

(2

6-1

(ITU-T)

G.711

G.711

G.711

.G.725 /

)

G.711

V.8 V.8

.(ITU-T)

H.221

)

(SP)

(SP-H

SP-G

)

(SP)

3

.2a

1

80

2a

(SP)

8

(SP)

V.140

H.320

V.8 V.8 (GSTN)

(HDLC)

.1

(~2⁻¹²⁸)

- 1

V.8/V.8

G.711

V.140

(8)

- 2

(IEC)

/(ISO)

13871 H.320

2

B A .1 A 2
.2

.B A 7 1 C56

(SP) - 2a 1.3.9
1.1.3.9

(SP) 2a
1
SP-C 2 SP-B 1 SP-A
SP-F 5 SP-E 4 SP-D 3
8 7 SP-H SP-G 6

.2a 2.1.3.9

(SP) 2a " "
" (SP)

" " (SP)

: (SP) 8 (13)

: (SP) •

(SP) (SP)

8	7	6	5	4	3	2	1	
1	1	1	1	0	1	0	1	x
1	1	0	1	1	0	1	0	x+1
0	1	1	0	1	1	0	1	x+2
1	1	1	1	0	1	1	0	x+3
0	1	0	1	1	0	1	1	x+4
1	1	1	0	1	1	0	1	x+5
1	1	1	1	1	1	1	1	x+6
0	1	0	0	0	0	0	0	x+7

7 :(SP) - V.140/13

(x+6)

.A

(SP)

.A

7 (SP)

V.140

.2a

(SP)

:

(SP)

•

SP

SP

A

•

(SP)

.2b

.A

(SP-B=2 SP-A=1) (SP)

- 1

SP-E

4

1

- 2

(SP)

- 2b

2.3.9

1.2.3.9

.2b

(RSP) "

" (SP)

A

(SP)

B

.2b

A

(RSP)

:

(RSP)

(8 1 n) n

(SP)

(1

(SP)

) (SP)

(

3

B

n

(2

B

A

(RSP)

-

B

2.2.3.9

B

.2b

"

"

(RSP)

(RSP)

"

"

(RSP)

(RSP) 8
 .(2a 2.1.3.9)
 : (RSP)
 (RSP) •
 •
 (RSP)
 (RSP)
 .B 4 (RSP)
 .2b 6 (RSP) V.140
 - 2b
 .(RSP) B 2a
 (RSP)
 :
 (RSP) •
 •
 RSP B (RSP)
 7
 .2c B
 (RSP) / (SP) 3.3.9
 R64) / 64 2b 2a
 R64 (C64
 4.3.9
 (SP) 2a R64 C64
 7 " " - 1
 7
 B
 .(7) 1.2.3.9
 a2
 .R64
 .(4.3.9)
 2b
 RSP
 (RSP(s)) ()
 RSP RSP
 RSP-A x RSP-H RSP-A

RSP-C $(x + 2) \bmod 8$ RSP-B $(x + 2) \bmod 8$
) RSP .RSP-H
 .()
 7 2b 7 2a - 2
 (RSP)
 .
 (SP) (RSP)
 2a
 SP RSP .2b
 . 14 . RSP
 . 2b 2a 14 - 3
 SP-H a2 4
 2b 2a RSP-E RSP-B 7 4
 4
 7 (4)
 RSP-E .2b 2a
 . 5 RSP-E

8	7	6	5	4	3	2	1	
<i>SP-H</i>	<i>SP-G</i>	<i>SP-F</i>	<i>SP-E</i>	<i>SP-D</i>	<i>SP-C</i>	<i>SP-B</i>	<i>SP-A</i>	SP
<i>SP-D</i>	<i>SP-C</i>	<i>SP-B</i>	<i>SP-A</i>	All ONEs	<i>SP-G</i>	<i>SP-F</i>	<i>SP-E</i>	(2a) SP
<i>RSP-F</i>	All ONEs	<i>RSP-D</i>	<i>RSP-C</i>	All ONEs	<i>RSP-A</i>	<i>RSP-H</i>	<i>RSP-G</i>	(2b) RSP
	<i>RSP-E</i>			<i>RSP-B</i>				RSP
	<i>SP-E</i>							SP

. (RSP-E 2b 2a 7 4 IS)
2b 2a - V.140/14

2b 2a
 .(G.711)
 3 2 2c 4.3.9
 2
 :
 .
 2c •

()

:

()³ •

() •

() •

(G.711)

3 2c

1.4.3.9

.2c

(RSP)

.2c RSP

2.4.3.9

: 2c

2c A •

(01111110) (HDLC) •

.3

2c A

V.140 .HDLC

2c

3 HDLC -

3

- 3 4.9

3

(PDUs) 3

.V.140 PDU (HDLC)

(roleAndCapability) 1.4.9

.3 (PDU)

(PDU)

6 " " PDU

3	
2	
1	

6

6

(PDU)

2.4.9

: (PDU)

(PDU)

(1

(PDU)

(2

(PDU)

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.ISO/IEC 824-1

ITU-T X.680

HDISPATCH DEFINITIONS AUTOMATIC TAGS ::=
BEGIN

-- Export all symbols

=====
-- Top level PDUs
=====

```
HDISPATCHPDU ::= CHOICE {
  nonStandard      NonStandardMessage,
  roleAndCapability  RoleAndCapabilityMessage,
  modeSelect       Mode,
  youChoose        NULL,
  modeSelectAcknowledge  NULL,
  terminate        TerminateMessage,
  ...
}
```

```
RoleAndCapabilityMessage ::= SEQUENCE {
  role
    CHOICE {originate NULL,
             unknown  NULL,
             answer   NULL,
             ...},
  arbitrationField  INTEGER(0..4294967295), -- 32 bit random #
  capabilitySet     SEQUENCE SIZE (1..65535) OF Capability,
  ...
}
```

```
Capability ::= CHOICE {
  nonStandard  NonStandardParameter,
  isdn
    CHOICE {isdnCapability      IsdnCapability,
             multilinkAdditionalConnection  NULL,
             -- Express this cap alone to force--
             -- association of this channel with
             -- an existing call
             is13871
               SEQUENCE -- "BONDING" protocol-- {withIsdnCapability
                 IsdnCapability,
                 ...},
             h244
               SEQUENCE -- channel aggregation protocol-- {withIsdnCapability
                 IsdnCapability,
                 ...},
             ...},
  ...
}
```

```
IsdnCapability ::= CHOICE {
  g711aLaw  SEQUENCE {...},
  g711uLaw  SEQUENCE {...},
}
```

```

h320      SEQUENCE {...},
h324AnnexD SEQUENCE {...},
h324Multilink SEQUENCE {...},
group4Fax SEQUENCE {...},
t120     SEQUENCE {...},
t140     SEQUENCE {...}, -- text chatting protocol
v110     SEQUENCE {...},
v120     SEQUENCE {...},
rfc1661  SEQUENCE {withH323 BOOLEAN,
                ...},
...
}

```

```

Mode ::= CHOICE {
  nonStandard      NonStandardParameter,
  plainIsdnMode    IsdnMode,
  h244             IsdnMode,
  is13871          IsdnMode, -- BONDING protocol
  multilinkAdditionalConnection
  SEQUENCE {callAssociationNumber INTEGER(0..4294967295),
            ...},
  ...
}

```

```

IsdnMode ::= CHOICE {
  nonStandard NonStandardParameter,
  g711aLaw    SEQUENCE {...},
  g711uLaw    SEQUENCE {...},
  h320        SEQUENCE {...},
  h324AnnexD SEQUENCE {...},
  h324Multilink SEQUENCE {...},
  group4Fax   SEQUENCE {...},
  t120        SEQUENCE {...},
  rfc1661     SEQUENCE {...},
  ...
}

```

```

TerminateMessage ::= SEQUENCE {
  cause
  CHOICE {nonStandard NonStandardParameter,
          timerExpiration NULL,
          roleCollision NULL,
          noSuitableModes NULL,
          invalidModeSelected NULL,
          protocolViolation NULL,
          modeNotAvailable NULL,
          ...},
  ...
}

```

-- Non standard Message definitions

```

NonStandardMessage ::= SEQUENCE {nonStandardData NonStandardParameter,
  ...
}

```

```

NonStandardParameter ::= SEQUENCE {
  nonStandardIdentifier NonStandardIdentifier,
  data OCTET STRING
}

```

```

NonStandardIdentifier ::= CHOICE {
  object      OBJECT IDENTIFIER,
  h221NonStandard
  SEQUENCE {t35CountryCode  INTEGER(0..255), -- country, per T.35--
            t35Extension    INTEGER(0..255), -- assigned nationally--
            manufacturerCode INTEGER(0..65535)}
} -- assigned nationally

```

END

(ITU-T) G.725 G.722

: (PDU)

```

h324AnnexD      h320      g711uLaw      g711aLaw      •
v120      v110      t140      t120      group4Fax      h324Multilink
  (A          ) G.711      Isdn
T.120      T.6          H.324      /D          H.320      (μ          ) G.711
.(ITU-T)          V.120      V.110      T.140

```

```

Isdn      rfc1661      •
(51          ) RFC1661
withH323
.RFC1661          (ITU-T)          H.323

```

```

Isdn      is13871      •
13871
((BONDING)          ) (IEC)          /(ISO)
13871          withIsdn
.(IEC)          /(ISO)

```

```

Isdn      h244      •
(ITU-T)          H.244
withIsdn

```

: (PDU)

```

h324AnnexD      h320      g711uLaw      g711aLaw      •
v120      v110      t140      t120      group4Fax      h324Multilink
G.711          (IsdnMode      ) plainIsdnMode
H.324      /D          H.320      (μ          ) G.711      (a          )
V.120      V.110      T.140      T.120      T.6          H.324      /F
.(ITU-T)

```

```

(IsdnMode      ) plainIsdnMode      rfc1661      •
(51          ) RFC1661
.(IETF)

```

		(IsdnMode) is13871		•
	/ (ISO)	13871		
		is13871	(IEC)	
. (IEC)	/ (ISO)		13871	
h224		(IsdnMode) h244		•
	H.244	H.244		
	H.244			
			. (ITU-T)	

(TMN)

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