3GPP TSG CN Plenary Meeting #13 **Tdoc NP-010438**
Beijing, China, 19th – 21st September 2001

Source: **TSG CN WG3**

Title: **CRs on R99 Work Item CS Bearers**

Agenda item: **7.20**

Document for: **APPROVAL**

Introduction:

This document contains 6 CRs on R99 Work Item ”CS Bearers”, that have been agreed by TSG CN WG3, and are forwarded to TSG CN Plenary meeting #13 for approval.

Spec	CR	Rev	Doc-2nd-	Phase	Subject	Cat	Versio
27.001	061		N3-010271	R99	Removal of erroneous IR value	F	3.9.0
27.001	062	1	N3-010304	Rel-4	Removal of erroneous IR value	A	4.4.0
27.001	065	1	N3-010305	R99	Negotiation of Rate adaptation/Other rate adaptation	F	3.9.0
27.001	066	1	N3-010306	Rel-4	Negotiation of Rate adaptation/Other rate adaptation	A	4.4.0
27.001	063	1	N3-010307	Rel-4	Removal of erroneous information in B.1.3.1.6	F	4.4.0
27.001	067		N3-010308	R99	Removal of erroneous information in B.1.3.1.6	F	3.9.0

3GPP TSG-CN3 Meeting #18 ***Tdoc N3-010271***
Dresden, Germany, 2001-07-09- 2001-07-13

CR-Form-v4

CHANGE REQUEST

⌘ **27.001** **CR** **061** ⌘ ev **-** ⌘ Current version: **3.9.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network ☐ Core Network **X**

Title:	⌘	Removal of erronous IR value
Source:	⌘	TSG_CN WG3
Work item code:	⌘	Correction (CS Bearers) ***Date:*** ⌘ 2001-07-09
Category:	⌘	**F** ***Release:*** ⌘ R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change:	⌘	TS 27.001 use the attribute value “not-used” (in table B.5) as the default value for IR. However, this value is not defined in TS 24.008. In order to align these specifications only values defined in TS 24.008 should be used in TS 27.001. TS 27.001 also show (in table B.5) an IR value of 4 kbit/s that does not exist.
Summary of change:	⌘	In table B5 (BC parameter settings) the default value of IT is changed from “not.used” to 16 kbit/s and the IR attribute values 4 kbit/s and “not-used” are removed. All flowdiagrams modified accordingly.
Consequences if not approved:	⌘	Incorrect information in specification.

Clauses affected:	⌘	Table B.5, B.1.2 and B.1.3.
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	Deleted flowdiagrams are highlighted in BLUE colour. New flowdiagrams are highlighted in GREEN colour.

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

First amended section

Table B.5: BC parameter setting (part 1)

common setting of field values

Abbreviations for Parameters and Values

default setting of field values (NA)

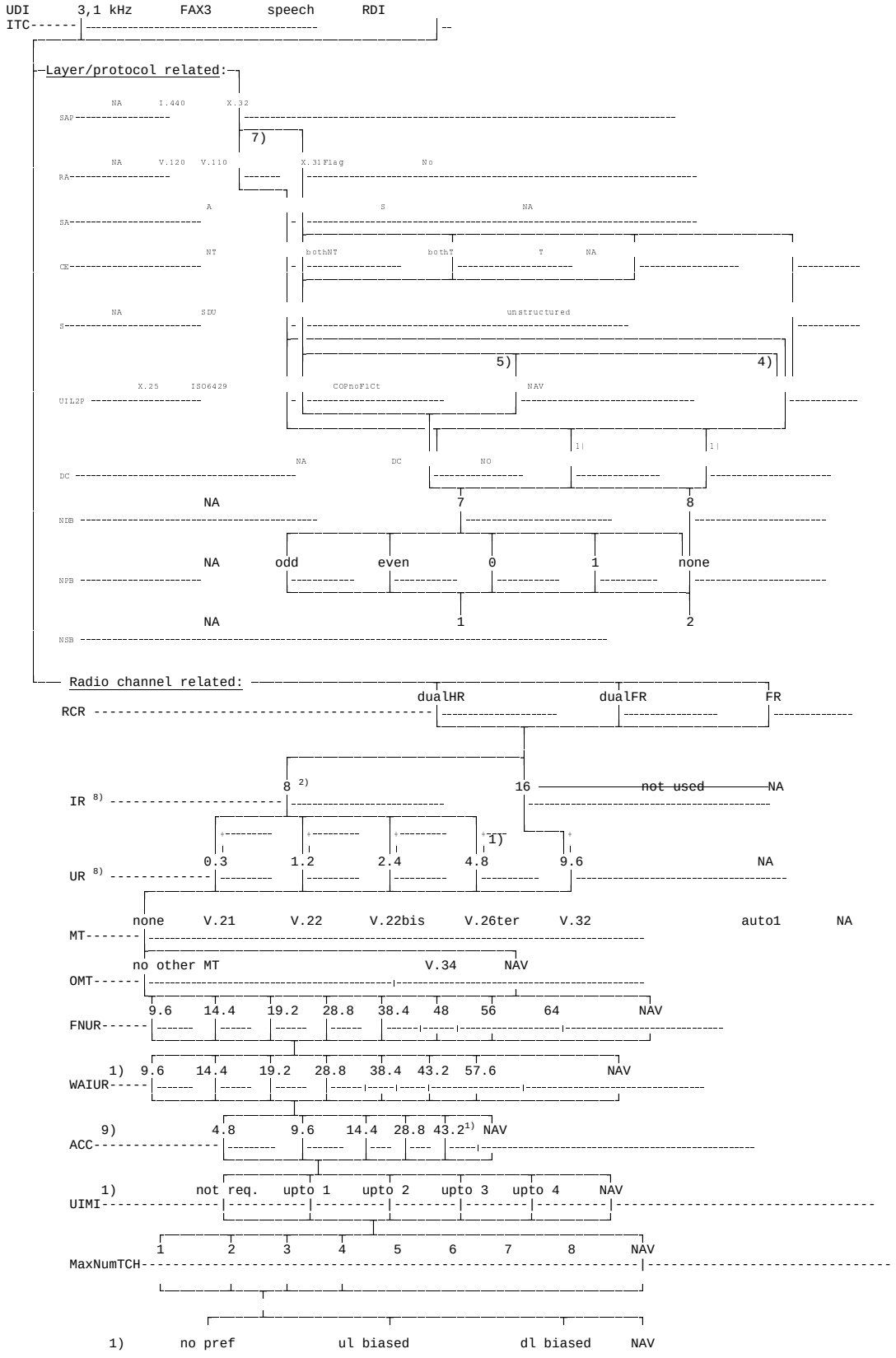
		V	V
ITC...Information Transfer Capability:	- Speech - UDI..Unrestricted Digital - FAX3..Group 3 Facsimile - 3,1 kHz..3,1 kHz Ex PLMN - RDI..Restricted Digital		
TM....Transfer Mode:	- ci..Circuit	X	X
S.....Structure:	- SDU..Service Data Unit Integrity - Unstructured	X	
C.....Configuration:	- pp..Point to point	X	X
E.....Establishment:	- de..Demand	X	X
SA....Sync/Async:	- S..Synchronous - A..Asynchronous		
N.....Negotiation	- ibn..in band negotiation not possible	X	X
UR....User Rate:	- 0.3..0.3 kbit/s - 1.2..1.2 kbit/s - 2.4..2.4 kbit/s - 4.8..4.8 kbit/s - 9.6..9.6 kbit/s	X	
IR....Intermediate Rate:	- ~~4~~8.. ~~4~~ 8 kbit/s - ~~8~~16.. ~~8~~ 16 kbit/s ~~- 16.. 16 kbit/s~~ ~~- not_used..not used~~	X ~~X~~	
NICT..Network Independent Clock on Tx:	- not_required.. Not required - required	X	X
NICR..Network Independent Clock on Rx:	- not_accepted..not accepted - accepted	X	X
NSB...Number of Stop Bits:	- 1..1 bit - 2..2 bit	X	
NDB...Number of Data Bits Excluding Parity If Present:	- 7.. 7 bit - 8.. 8 bit	X	
NPB...Parity Information:	- Odd - Even - None - 0.. Forced to 0 - 1.. Forced to 1	X	
UIL1P.User Information Layer 1 Protocol	- def..default layer 1 protocol	X	X

End of first amended section

Second amended section

B.1.2 Bearer Service 20, Data Circuit Duplex Asynchronous

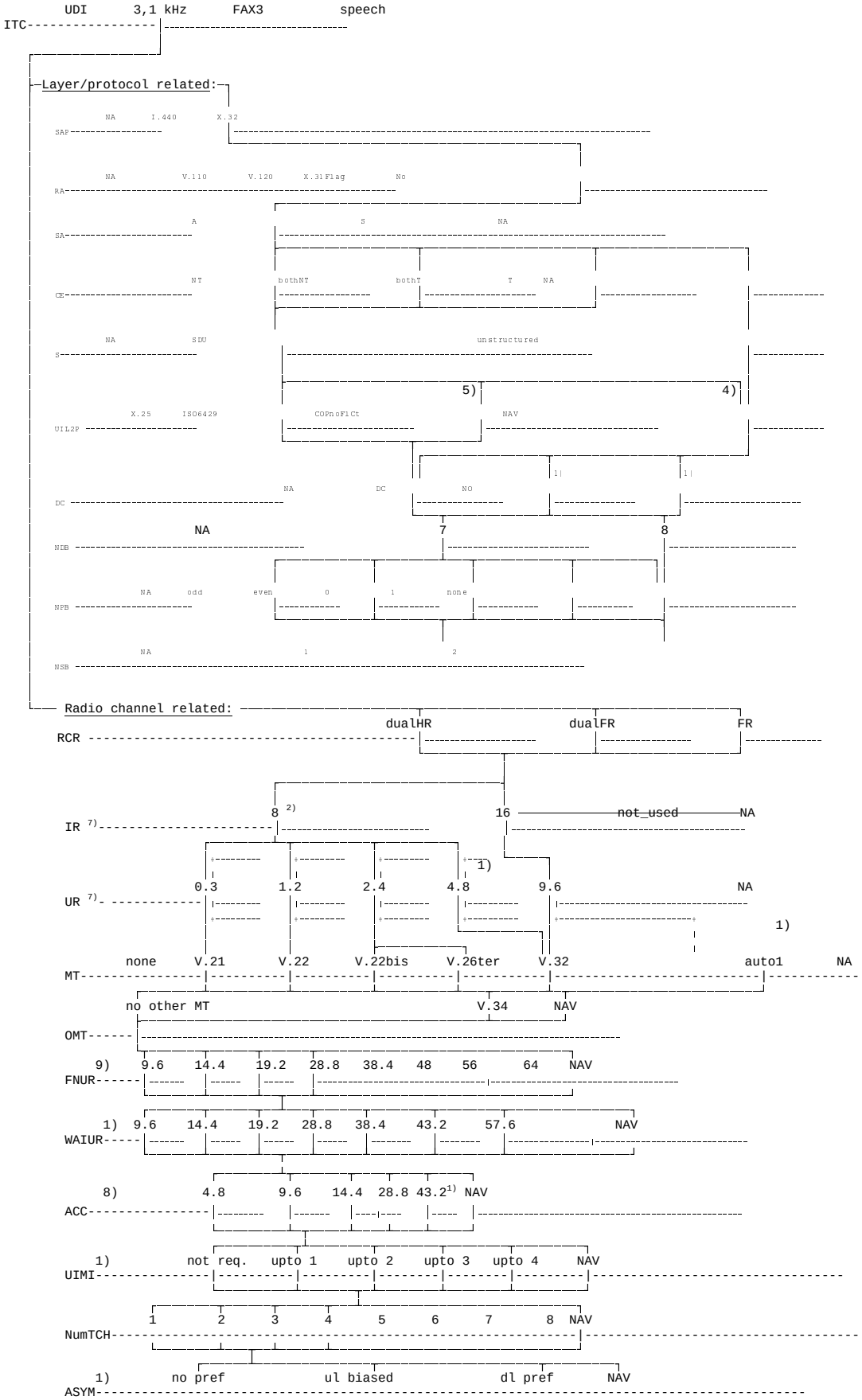
B.1.2.1 Unrestricted / restricted digital information transfer capability



ASYM ----------

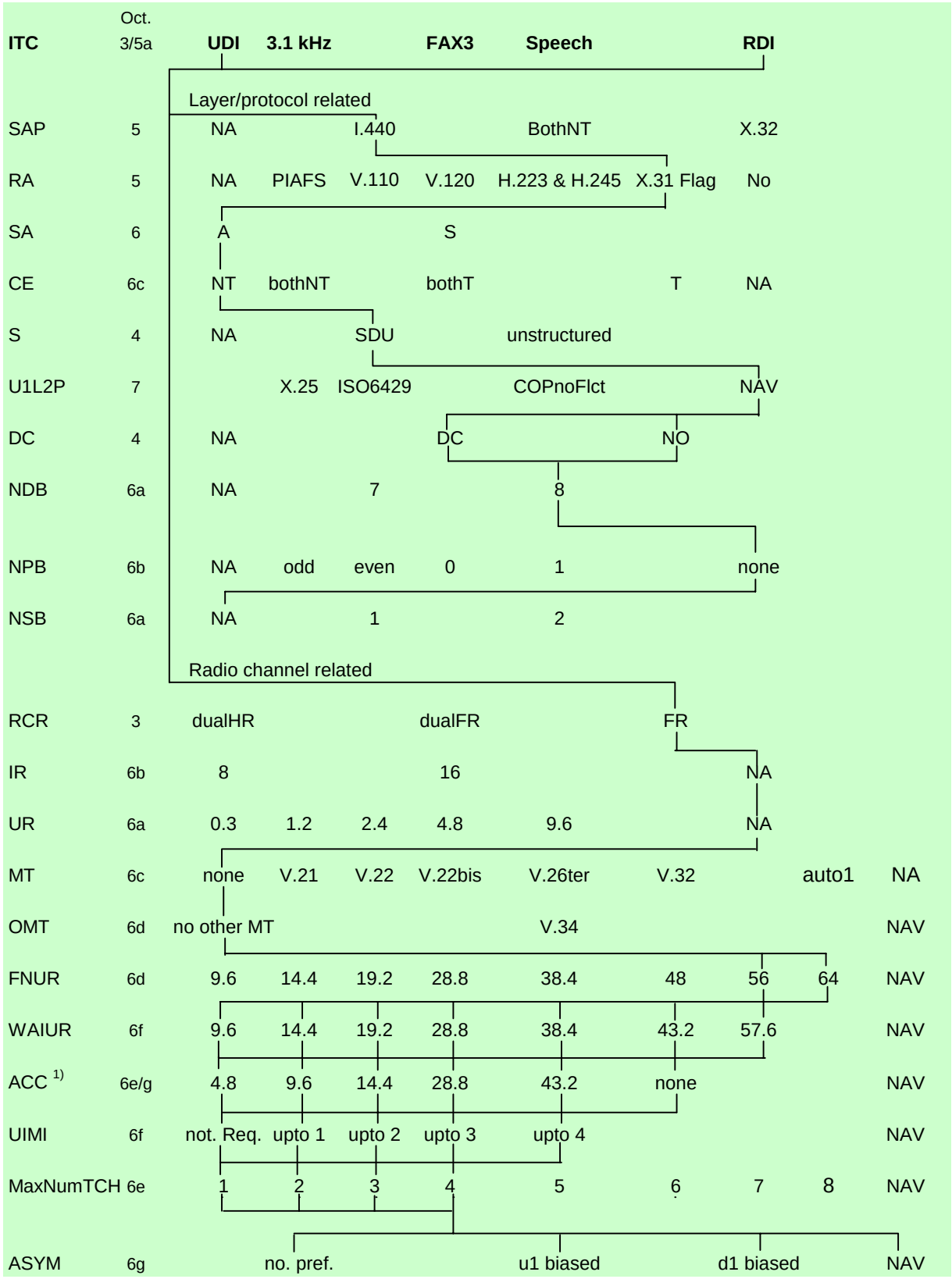
1) for CE:NT or "both";
2) for CE:T only or CE:NT and NIRR:6kb/s (not for the SETUP message);
3) Void;
4) for MT CALLS in the SETUP message or MO/MT CALLS with "out-band" flow control requested;
5) for MO/MT CALLS with no flow control requested;
6) Void;
7) the V.120 relevant BC parameters (octet 5b) shall be set according to the LLC (see clause B.2);
8) IR and UR are overridden by FNUR, ACC and MaxNumTCH;
9) ACC may have several values simultaneously (bit map coding).

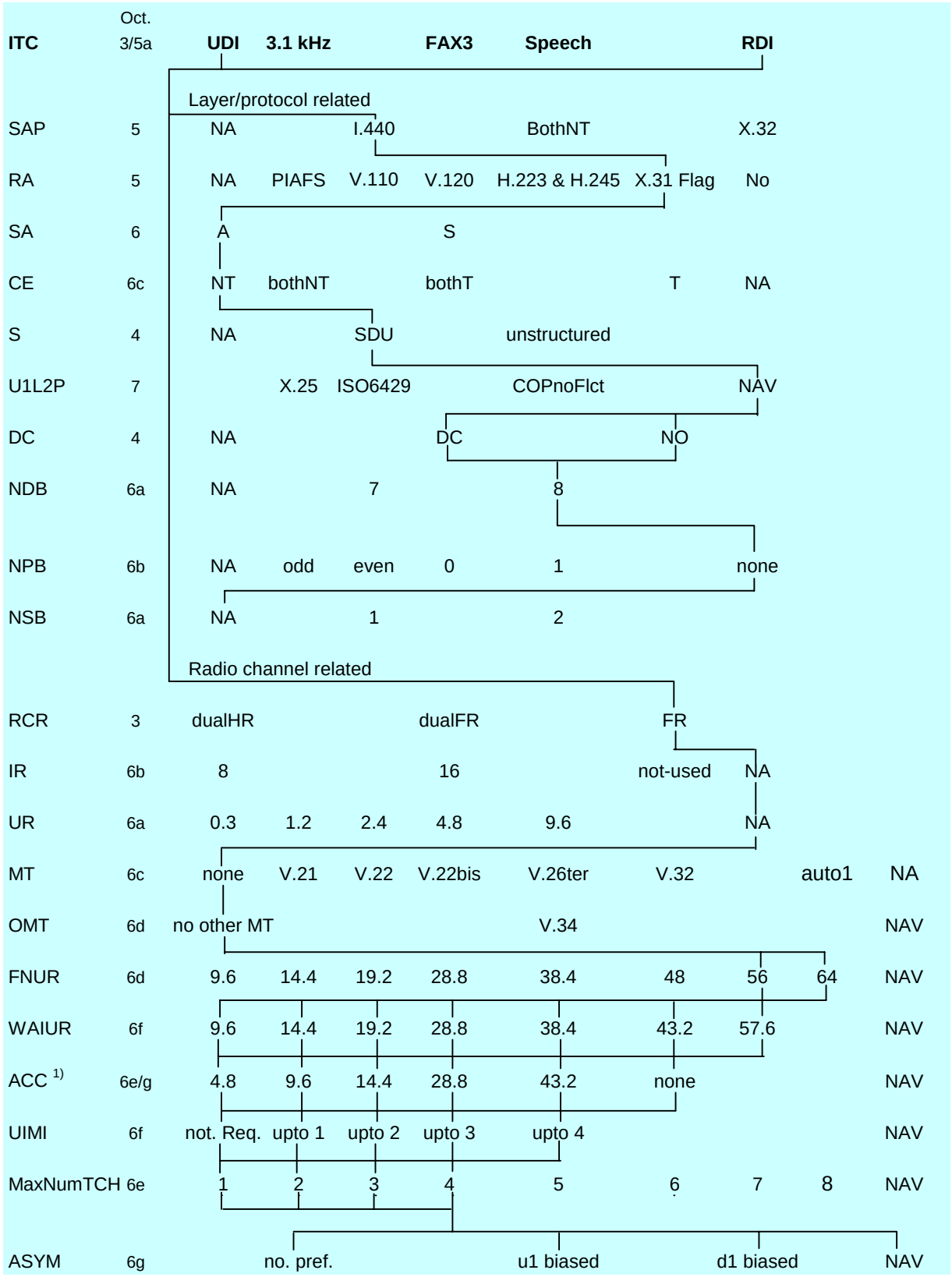
B.1.2.2 3,1 kHz audio ex-PLMN information transfer capability



1) for CE:NT or "both";
2) for CE:T only or CE:NT and NIRR:6kb/s (not for the SETUP message);
3) Void;
4) for MT CALLS in the SETUP message or MO/MT CALLS with "out-band" flow control requested (not for V.21 modem type);
5) for MO/MT CALLS with no flow control requested;
6) Void;
7) IR and UR are overridden by FNUR, ACC and MaxNumTCH.
8) ACC may have several values simultaneously (bit map coding).
9) in case of MT = auto1 the value of FNUR has no meaning.

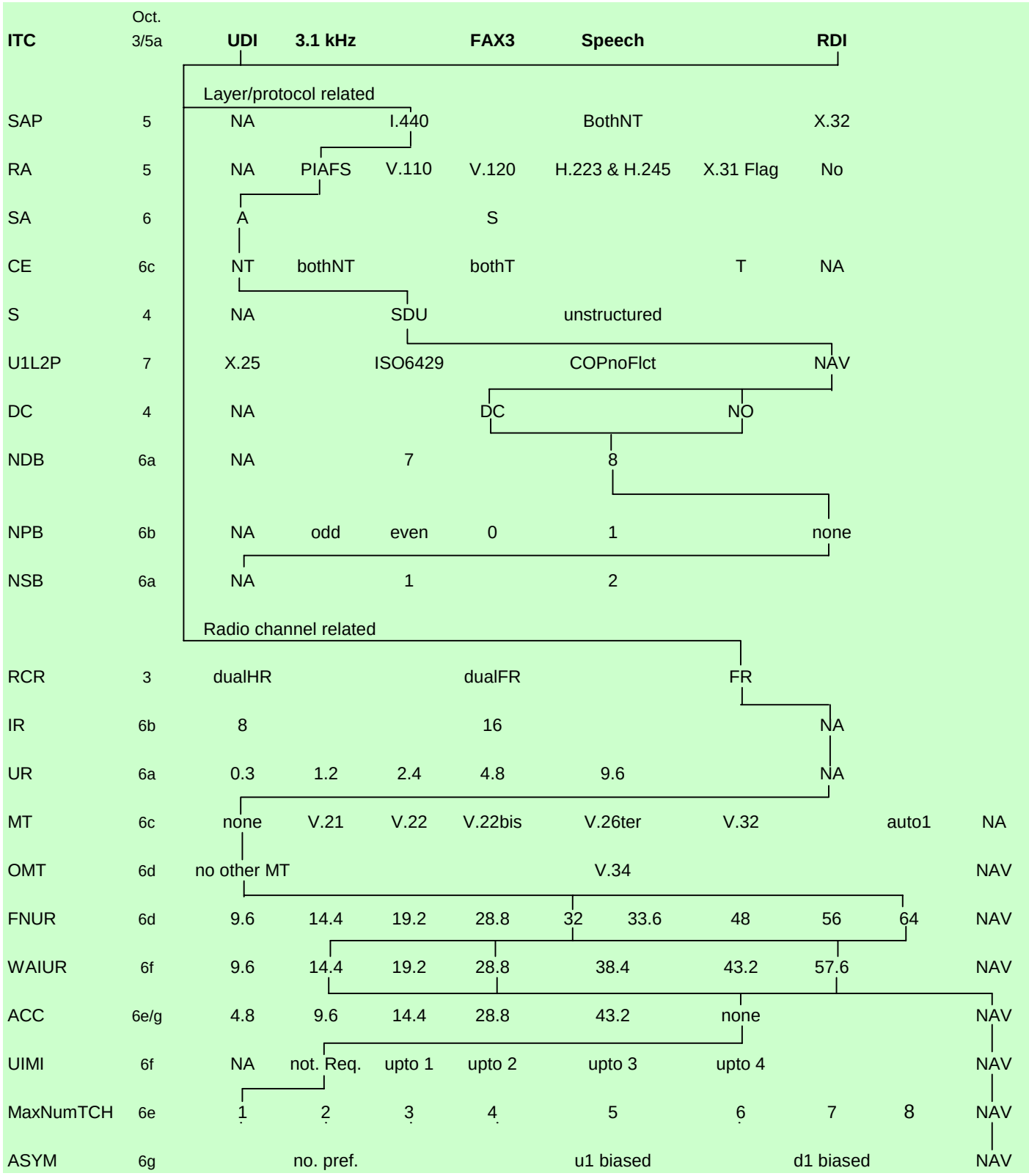
B.1.2.3 Frame Tunnelling Mode

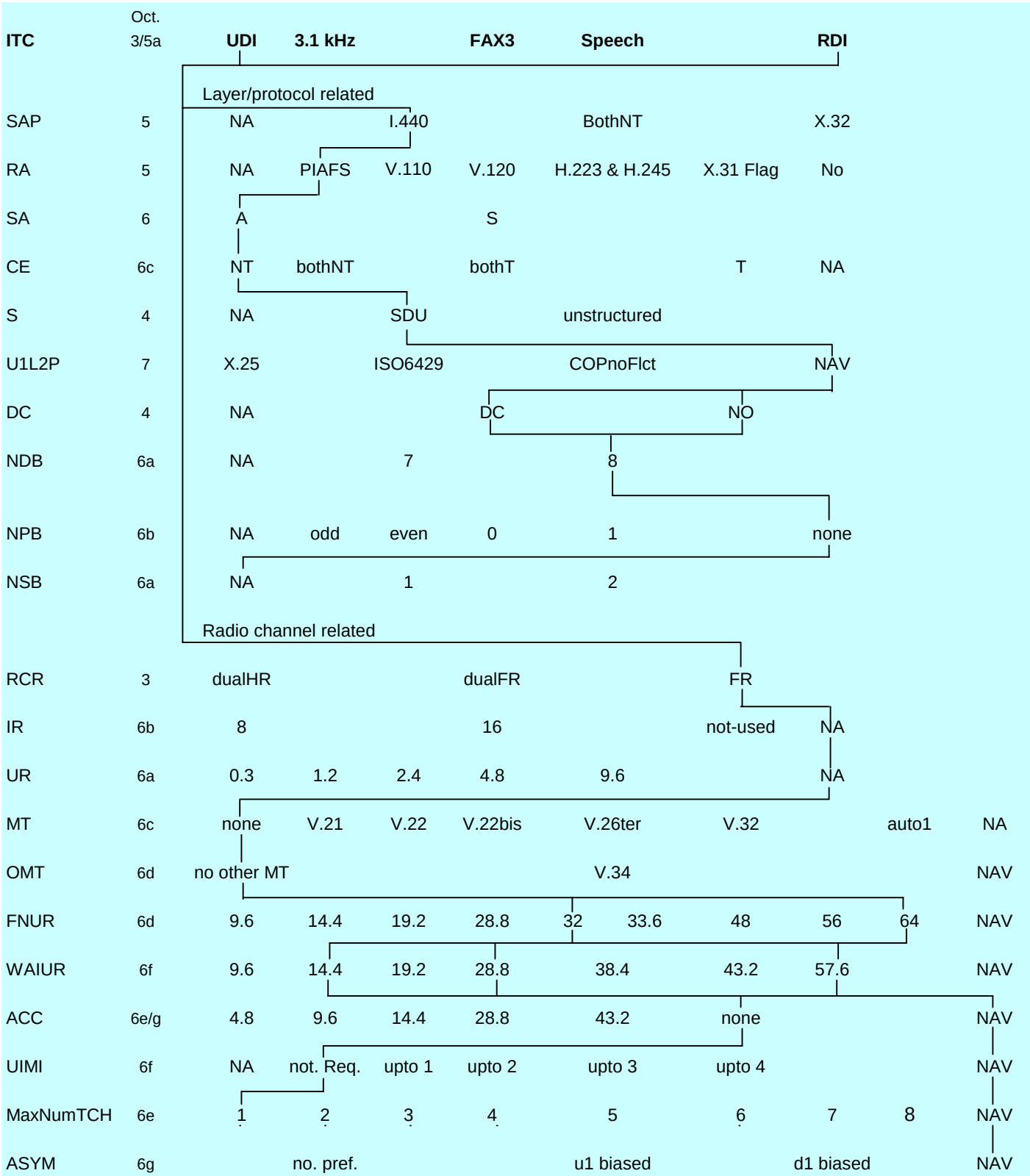




1) ACC may have several values simultaneously (bit map coding).

B.1.2.4 PIAFS


ITC
Oct. 3/5a
UDI
3.1 kHz
FAX3
Speech
RDI
Layer/protocol related
SAP 5 NA I.440 BothNT X.32
RA 5 NA PIAFS V.110 V.120 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NT bothNT bothT T NA
S 4 NA SDU unstructured
U1L2P 7 X.25 ISO6429 COPnoFlct NAV
DC 4 NA DC NO
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
IR 6b 8 16 NA
UR 6a 0.3 1.2 2.4 4.8 9.6 NA
MT 6c none V.21 V.22 V.22bis V.26ter V.32 auto1 NA
OMT 6d no other MT V.34 NAV
FNUR 6d 9.6 14.4 19.2 28.8 32 33.6 48 56 64 NAV
WAIUR 6f 9.6 14.4 19.2 28.8 38.4 43.2 57.6 NAV
ACC 6e/g 4.8 9.6 14.4 28.8 43.2 none NAV
UIMI 6f NA not. Req. upto 1 upto 2 upto 3 upto 4 NAV
MaxNumTCH 6e 1 2 3 4 5 6 7 8 NAV
ASYM 6g no. pref. u1 biased d1 biased NAV


ITC
Oct. 3/5a
UDI
3.1 kHz
FAX3
Speech
RDI
Layer/protocol related
SAP 5 NA I.440 BothNT X.32
RA 5 NA PIAFS V.110 V.120 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NT bothNT bothT T NA
S 4 NA SDU unstructured
U1L2P 7 X.25 ISO6429 COPnoFlct NAV
DC 4 NA DC NO
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
IR 6b 8 16 not-used NA
UR 6a 0.3 1.2 2.4 4.8 9.6 NA
MT 6c none V.21 V.22 V.22bis V.26ter V.32 auto1 NA
OMT 6d no other MT V.34 NAV
FNUR 6d 9.6 14.4 19.2 28.8 32 33.6 48 56 64 NAV
WAIUR 6f 9.6 14.4 19.2 28.8 38.4 43.2 57.6 NAV
ACC 6e/g 4.8 9.6 14.4 28.8 43.2 none NAV
UIMI 6f NA not. Req. upto 1 upto 2 upto 3 upto 4 NAV
MaxNumTCH 6e 1 2 3 4 5 6 7 8 NAV
ASYM 6g no. pref. u1 biased d1 biased NAV

End of second amended section

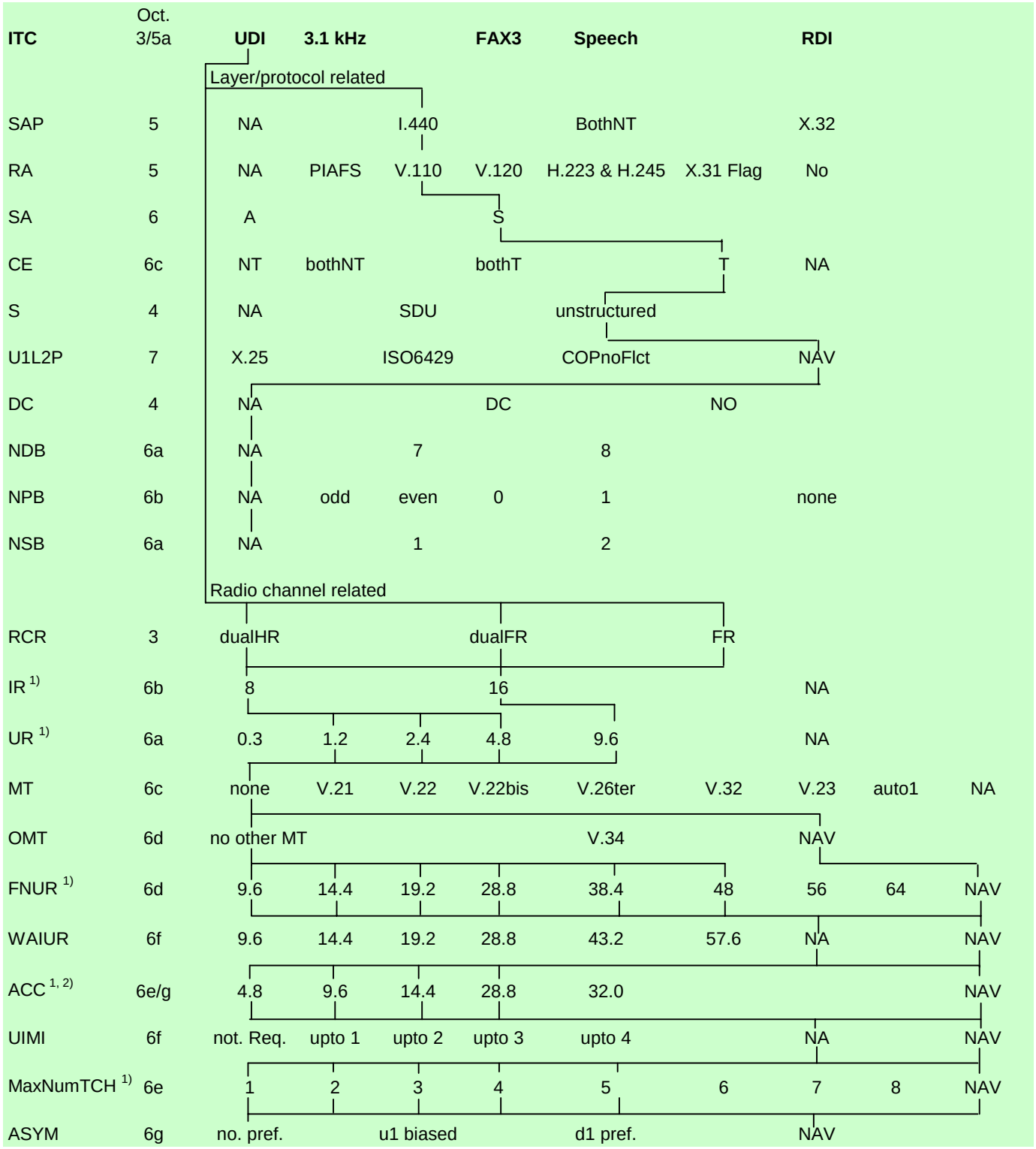
Start of third amended section

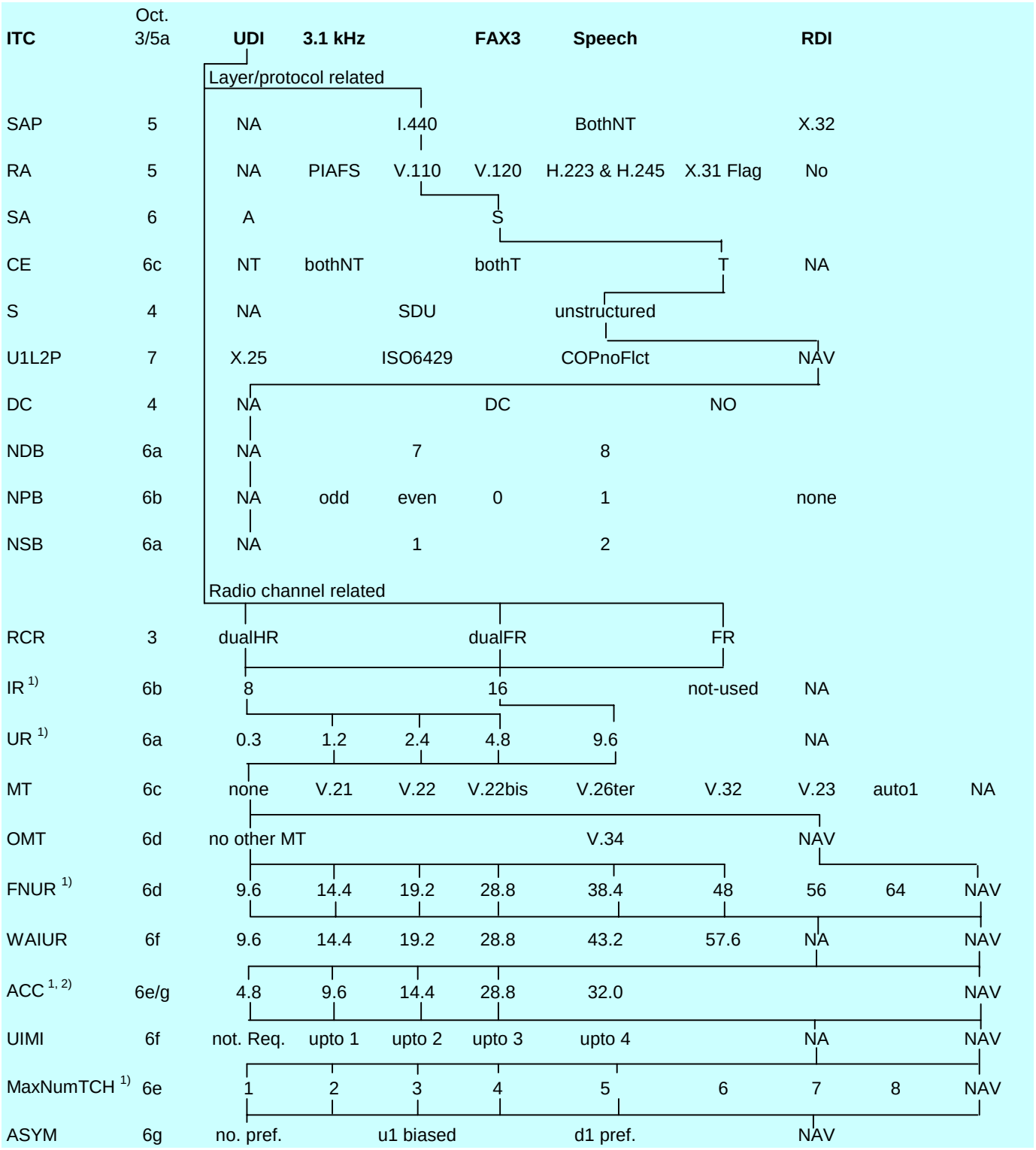
B.1.3 Bearer Service 30, Data Circuit Duplex Synchronous

B.1.3.1 Unrestricted/restricted digital information transfer capability

B.1.3.1.1 Non-X.32 CasesTransparent FNUR <= 48 kbit/s (TCH/F4.8, TCH/F9.6, TCH/14.4, TCH/F28.8)

Applies to GSM/GERAN only. No HO to/from UTRAN

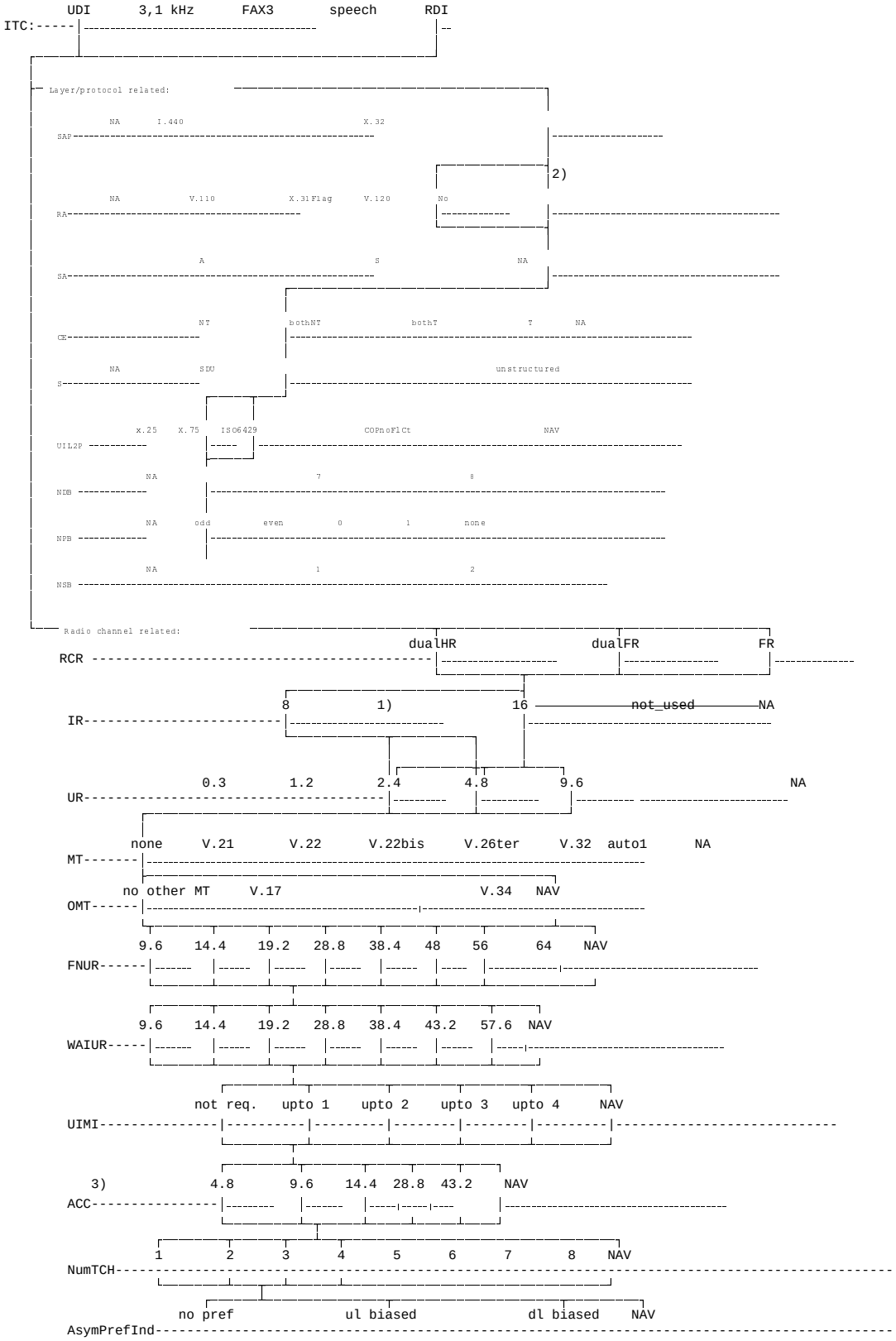

ITC
Oct. 3/5a
UDI
3.1 kHz
FAX3
Speech
RDI
Layer/protocol related
SAP 5 NA I.440 BothNT X.32
RA 5 NA PIAFS V.110 V.120 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NT bothNT bothT T NA
S 4 NA SDU unstructured
U1L2P 7 X.25 ISO6429 COPnoFlct NAV
DC 4 NA DC NO
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
IR 1) 6b 8 16 NA
UR 1) 6a 0.3 1.2 2.4 4.8 9.6 NA
MT 6c none V.21 V.22 V.22bis V.26ter V.32 V.23 auto1 NA
OMT 6d no other MT V.34 NAV
FNUR 1) 6d 9.6 14.4 19.2 28.8 38.4 48 56 64 NAV
WAIUR 6f 9.6 14.4 19.2 28.8 43.2 57.6 NA NAV
ACC 1, 2) 6e/g 4.8 9.6 14.4 28.8 32.0 NAV
UIMI 6f not. Req. upto 1 upto 2 upto 3 upto 4 NA NAV
MaxNumTCH 1) 6e 1 2 3 4 5 6 7 8 NAV
ASYM 6g no. pref. u1 biased d1 pref. NAV



1) IR and UR are overridden if FNUR, ACC and MaxNumTCH are available

2) ACC may have several values simultaneously (bit map coding).

B.1.3.1.2 X.32 Case

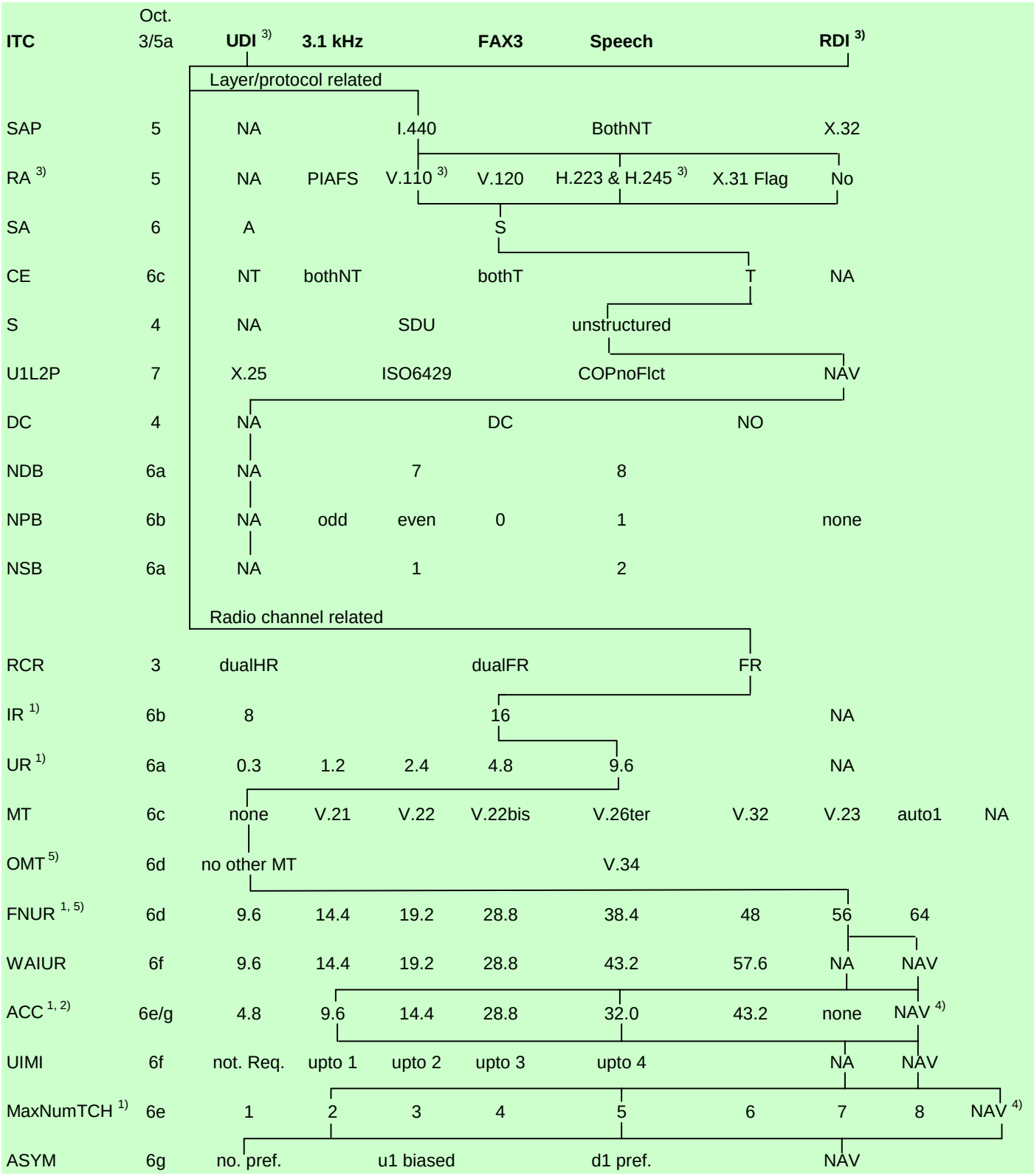


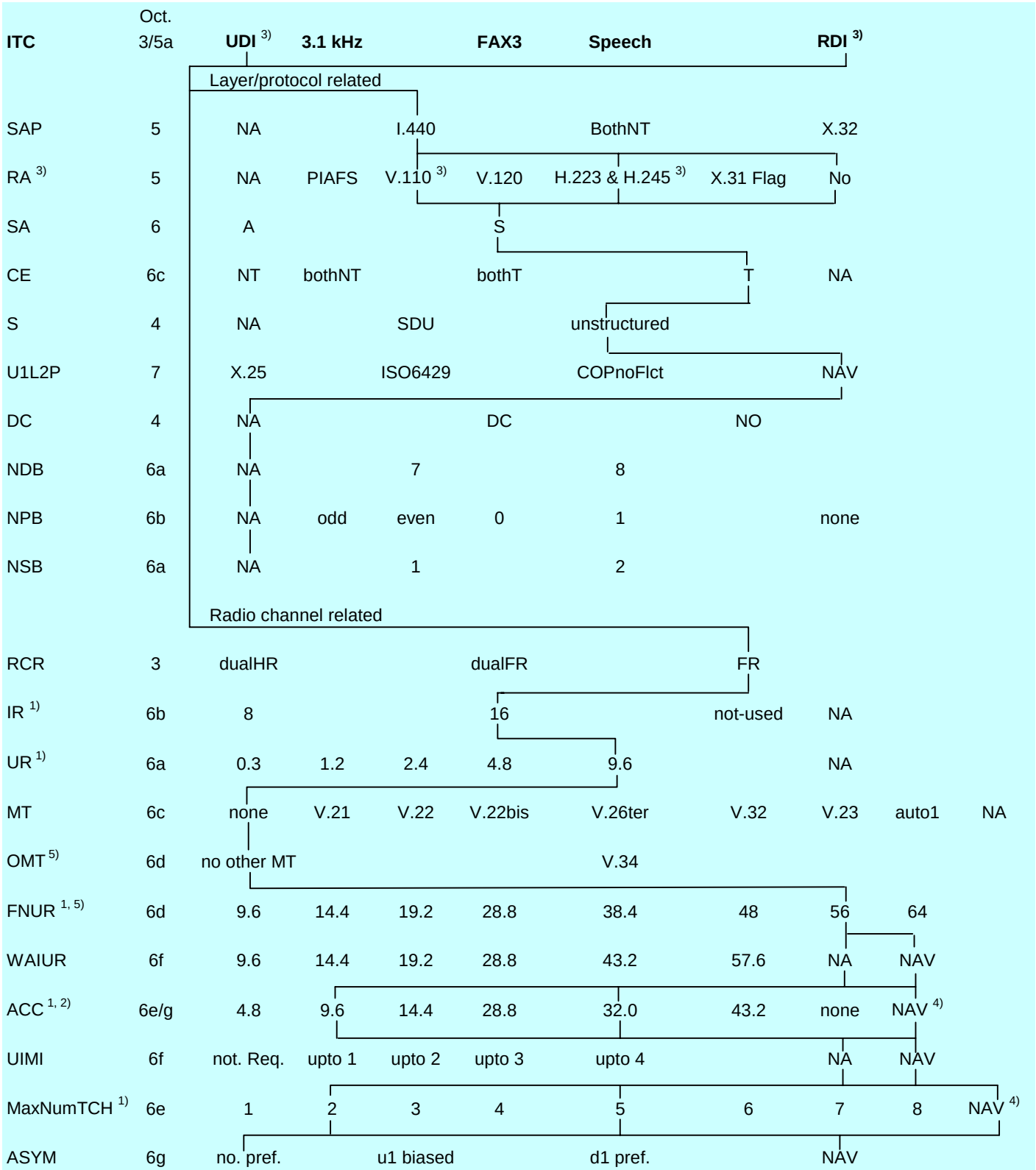
1) for NIRR:6kb/s (not for the SETUP message);

2) the V.120 relevant BC parameters (octet 5b) shall be set according to the LLC (see clause B.2);

3) ACC may have several values simultaneously (bit map coding).

B.1.3.1.3 Transparent FNUR=56 kbit/s, including 3G-H.324/M, (TCH/F9.6, TCH/F32.0, UTRAN)

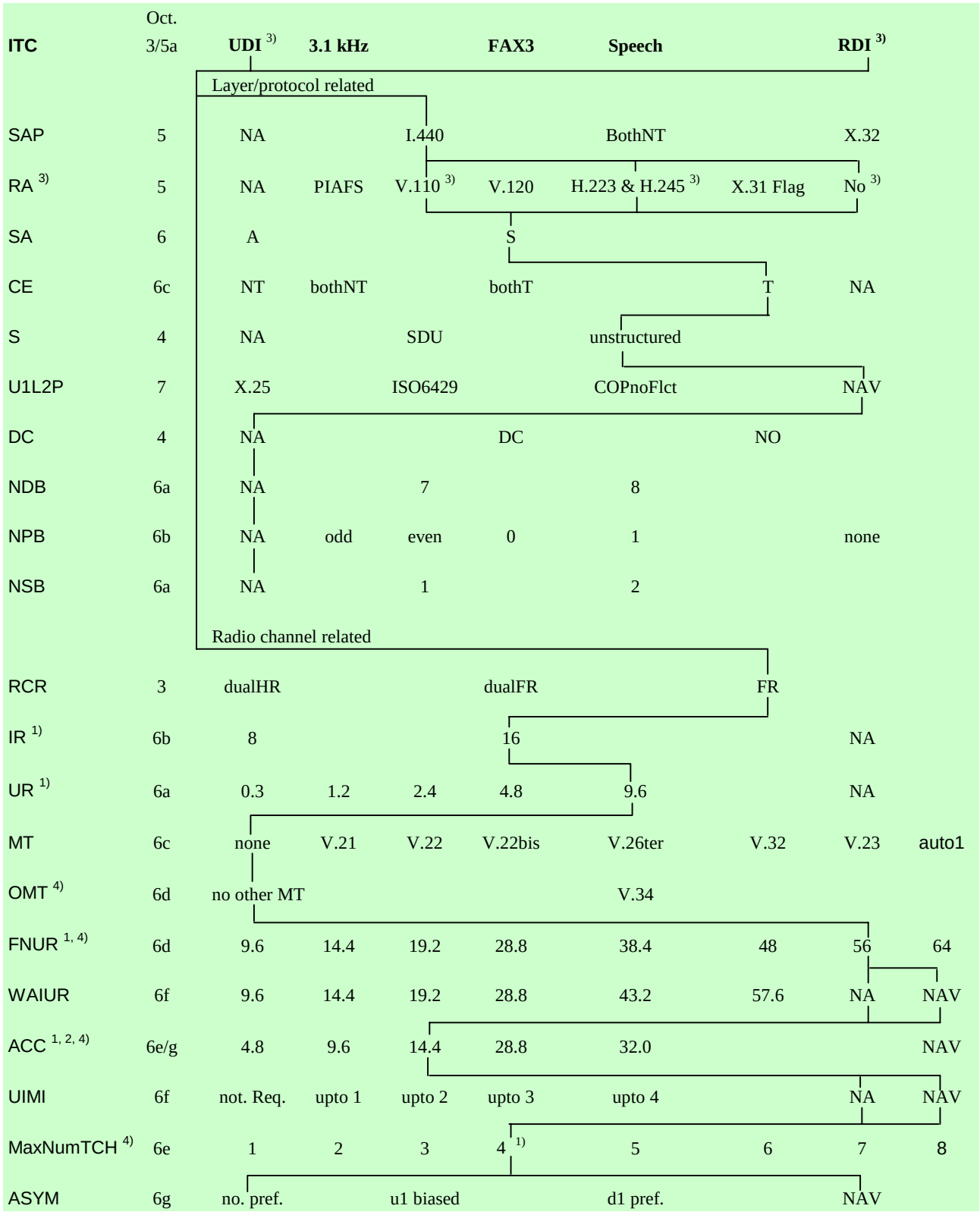


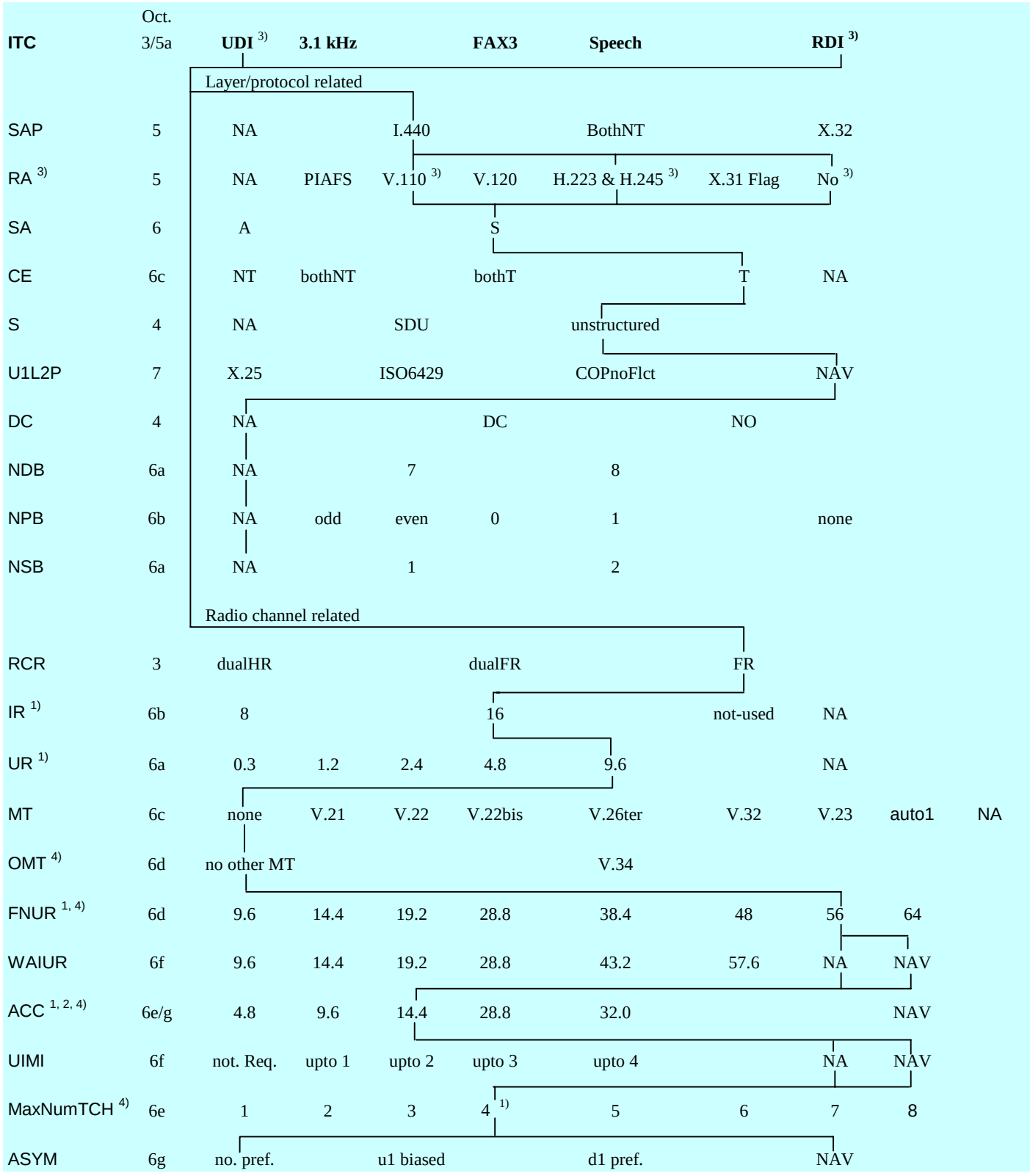

ITC
Oct. 3/5a
UDI 3)
3.1 kHz
FAX3
Speech
RDI 3)
Layer/protocol related
SAP 5 NA I.440 BothNT X.32
RA 3) 5 NA PIAFS V.110 3) V.120 H.223 & H.245 3) X.31 Flag No
SA 6 A S
CE 6c NT bothNT bothT T NA
S 4 NA SDU unstructured
U1L2P 7 X.25 ISO6429 COPnoFlct NAV
DC 4 NA DC NO
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
IR 1) 6b 8 16 not-used NA
UR 1) 6a 0.3 1.2 2.4 4.8 9.6 NA
MT 6c none V.21 V.22 V.22bis V.26ter V.32 V.23 auto1 NA
OMT 5) 6d no other MT V.34
FNUR 1, 5) 6d 9.6 14.4 19.2 28.8 38.4 48 56 64
WAIUR 6f 9.6 14.4 19.2 28.8 43.2 57.6 NA NAV
ACC 1, 2) 6e/g 4.8 9.6 14.4 28.8 32.0 43.2 none NAV 4)
UIMI 6f not. Req. upto 1 upto 2 upto 3 upto 4 NA NAV
MaxNumTCH 1) 6e 1 2 3 4 5 6 7 8 NAV 4)
ASYM 6g no. pref. u1 biased d1 pref. NAV

1) IR and UR are overridden by FNUR, ACC and MaxNumTCH. IR and UR are not applicable to UMTS.
2) ACC may have several values simultaneously (bit map coding). However, handover to/from UTRAN is not possible if the network assigns other traffic channels than TCH/F9.6 or TCH/F32.0.
3) In case ITC=UDI, RA shall be set to V.110. In case ITC=RDI, RA shall be set to H.223&H245 or No.
4) In case ACC and MaxNumTCH are not available operation is restricted to UTRAN.
5) The parameters FNUR and OMT are mandatory for this service.

B.1.3.1.4 Transparent FNUR=56 kbit/s, including 3G-H.324M (TCH/F14.4)

Applies to GSM/GERAN only, no HO to/from UTRAN





1) IR and UR are overridden by FNUR, ACC and MaxNumTCH.

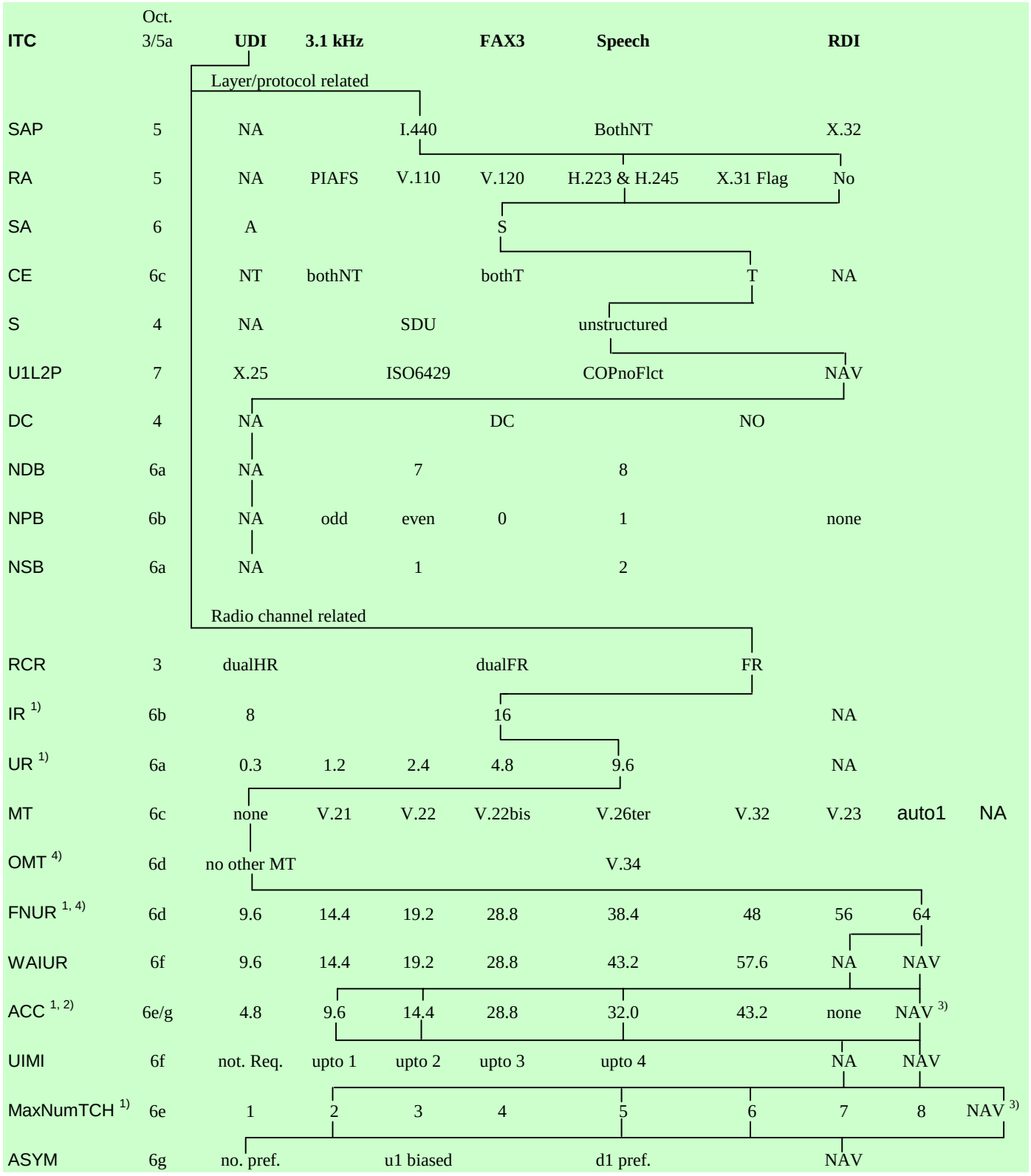
2) ACC may have several values simultaneously (bit map coding).

3) In case ITC=UDI, RA shall be set to V.110. In case ITC=RDI, RA shall be set to H.223 & H245 or No.

4) The parameters FNUR, OMT, ACC and MaxNumTCH are mandatory for this service.

B.1.3.1.5 Transparent FNUR = 64kbit/s including 3G-H.324/M (TCH/F9.6, TCH/F14.4, TCH/F32.0, UTRAN)

ITC	Oct. 3/5a	UDI	3.1 kHz		FAX3	Speech		RDI		
		Layer/protocol related								
SAP	5	NA		I.440		BothNT		X.32		
RA	5	NA	PIAFS	V.110	V.120	H.223 & H.245	X.31 Flag	No		
SA	6	A			S					
CE	6c	NT	bothNT		bothT		T	NA		
S	4	NA		SDU		unstructured				
U1L2P	7	X.25		ISO6429		COPnoFlct		NAV		
DC	4	NA			DC		NO			
NDB	6a	NA		7		8				
NPB	6b	NA	odd	even	0	1		none		
NSB	6a	NA		1		2				
		Radio channel related								
RCR	3	dualHR			dualFR		FR			
IR [1)]	6b	8			16		not-used	NA		
UR [1)]	6a	0.3	1.2	2.4	4.8	9.6		NA		
MT	6c	none	V.21	V.22	V.22bis	V.26ter	V.32	V.23	auto1	NA
OMT [4)]	6d	no other MT				V.34				
FNUR [1, 4)]	6d	9.6	14.4	19.2	28.8	38.4	48	56	64	
WAIUR	6f	9.6	14.4	19.2	28.8	43.2	57.6	NA	NAV	
ACC [1, 2)]	6e/g	4.8	9.6	14.4	28.8	32.0	43.2	none	NAV [3)]	
UIMI	6f	not. Req.	upto 1	upto 2	upto 3	upto 4		NA	NAV	
MaxNumTCH [1)]	6e	1	2	3	4	5	6	7	8	NAV [3)]
ASYM	6g	no. pref.		u1 biased		d1 pref.		NAV		



1) IR and UR are overridden by FNUR, ACC and MaxNumTCH. IR and UR are not applicable to UMTS.

2) ACC may have several values simultaneously (bit map coding).

3) If ACC and MaxNumTCH are not available operation is restricted to UTRAN.

4) The parameters FNUR and OMT are mandatory for this service.

2) If ACC, UIMI, MaxNumTCH and ASYM are not available operation is restricted to UTRAN.

3) IR and UR are overridden by FNUR, ACC and MaxNumTCH. IR and UR are not applicable to UMTS.

End of third amended section

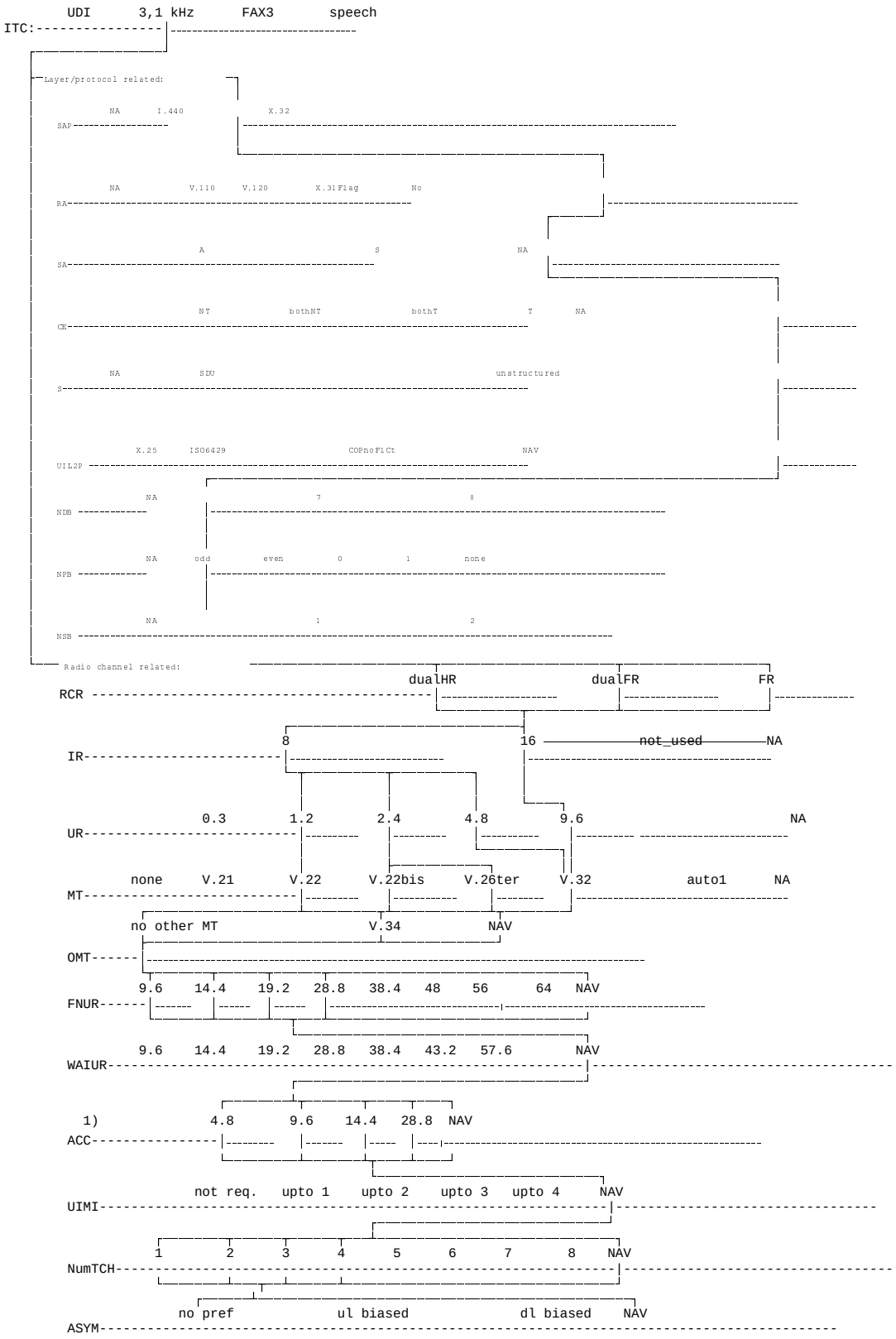
B.1.3.1.7 Synchronous transparent 56 kbit/s (RDI) and 64kbit/s (UDI) (UTRAN)

See B.1.3.1.3 and B.1.3.1.5.

Start of fourth amended section

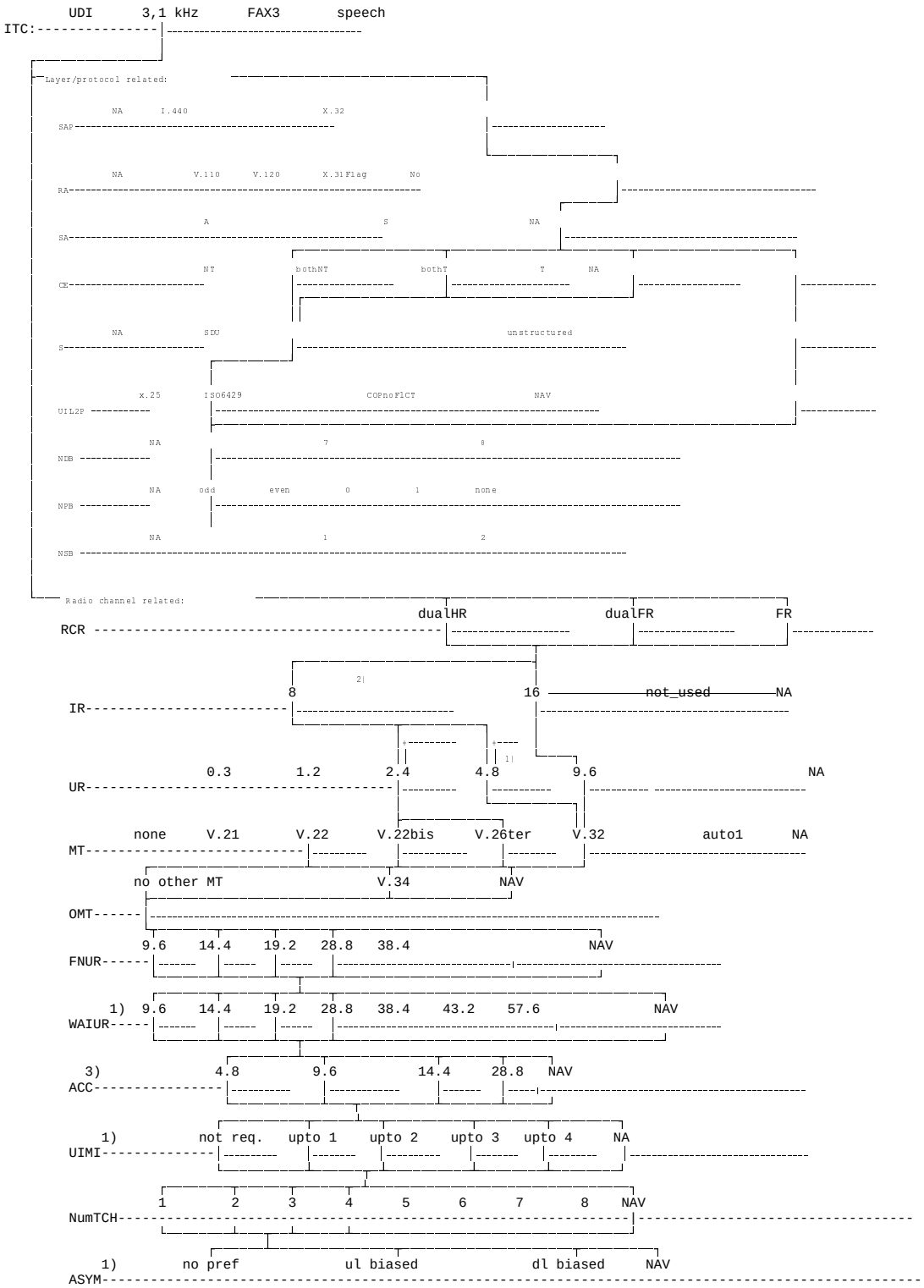
B.1.3.2 3,1 kHz audio ex-PLMN information transfer capability

B.1.3.2.1 Non-X.32 Cases



1) ACC may have several values simultaneously (bit map coding).

B.1.3.2.2 X.32 Case

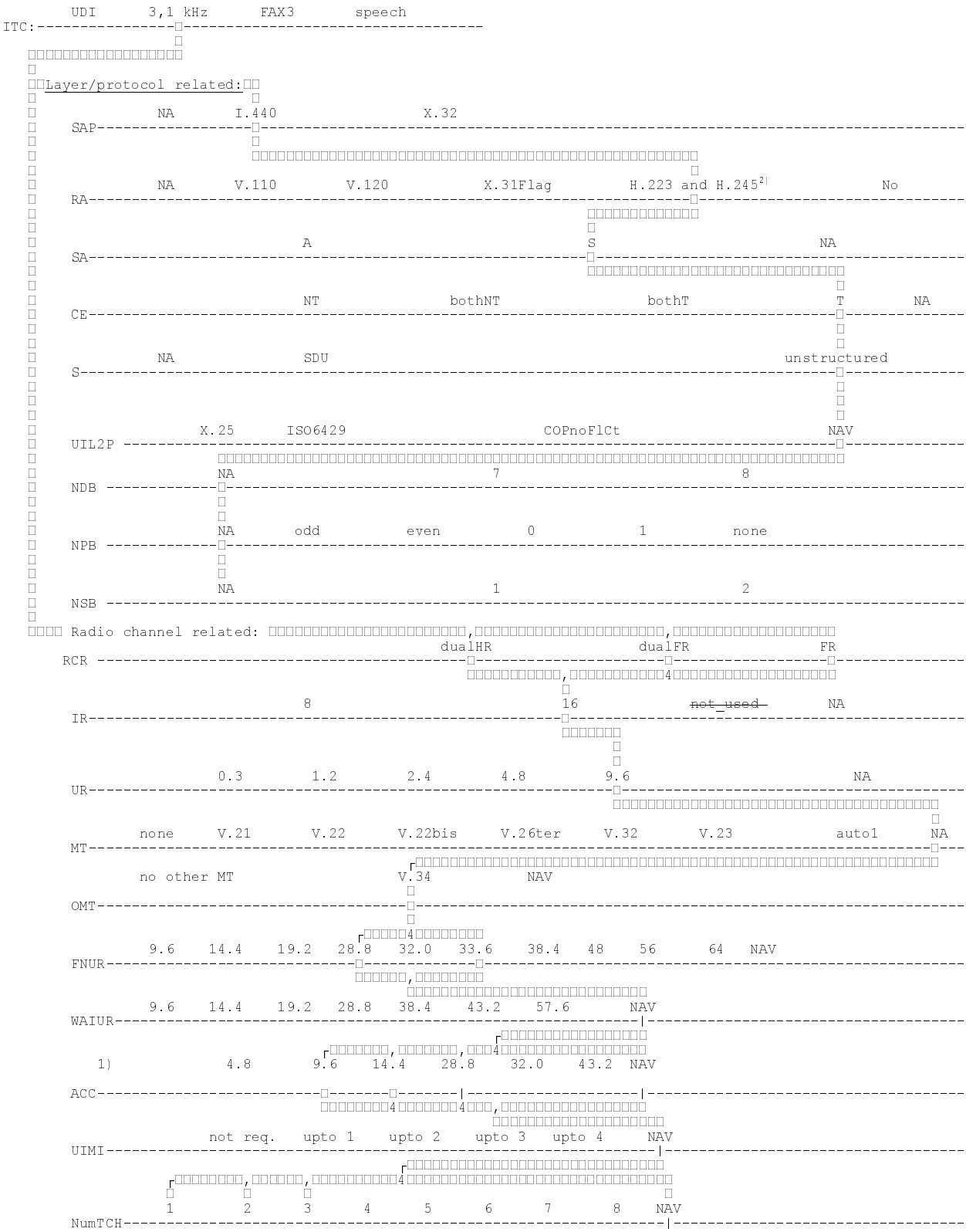


1) for CE:NT or "both".

2) for CE:T or CE:NT and NIRR:6kb/s (not for the SETUP message).

3) ACC may have several values simultaneously (bit map coding).

B.1.3.2.3 3G-H.324/M Case



1) ACC may have several values simultaneously (bit map coding).

B.1.4 Bearer Service 40 ... 46, PAD Access Asynchronous

Void

B.1.5 Bearer Service 50 ... 53 ,Data Packet Duplex Synchronous, Unrestricted digital information transfer capability

Void.

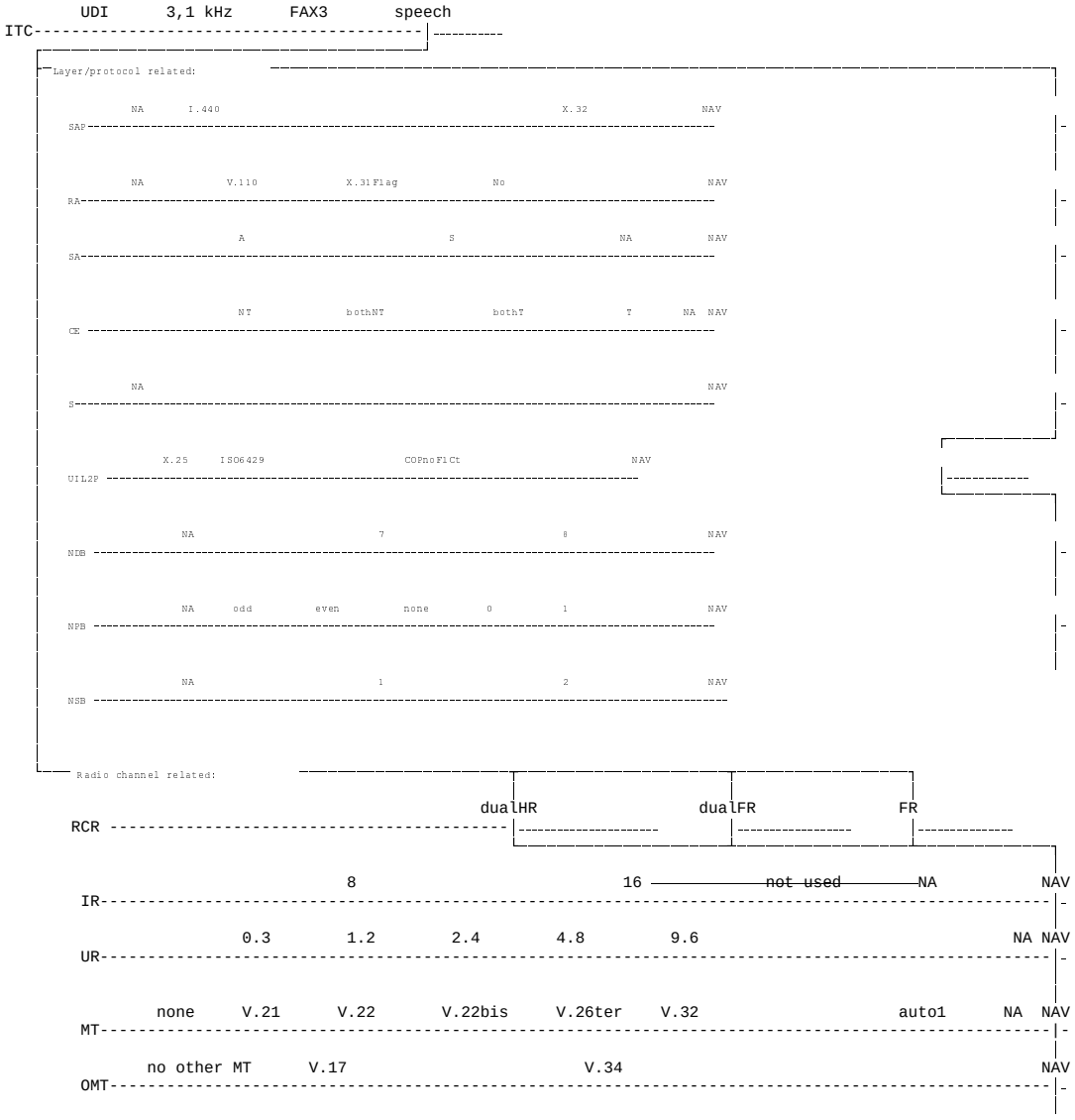
B.1.6 Bearer Service 61, Alternate Speech/Data

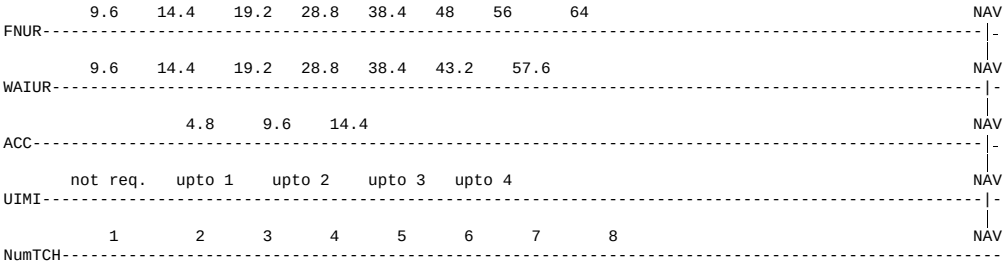
Void.

B.1.7 Bearer Service 81, Speech followed by Data

Void.

B.1.8 Teleservice 11 ... 12, Speech





B.1.9 Teleservice 21 ... 23, Short Message

Not applicable.

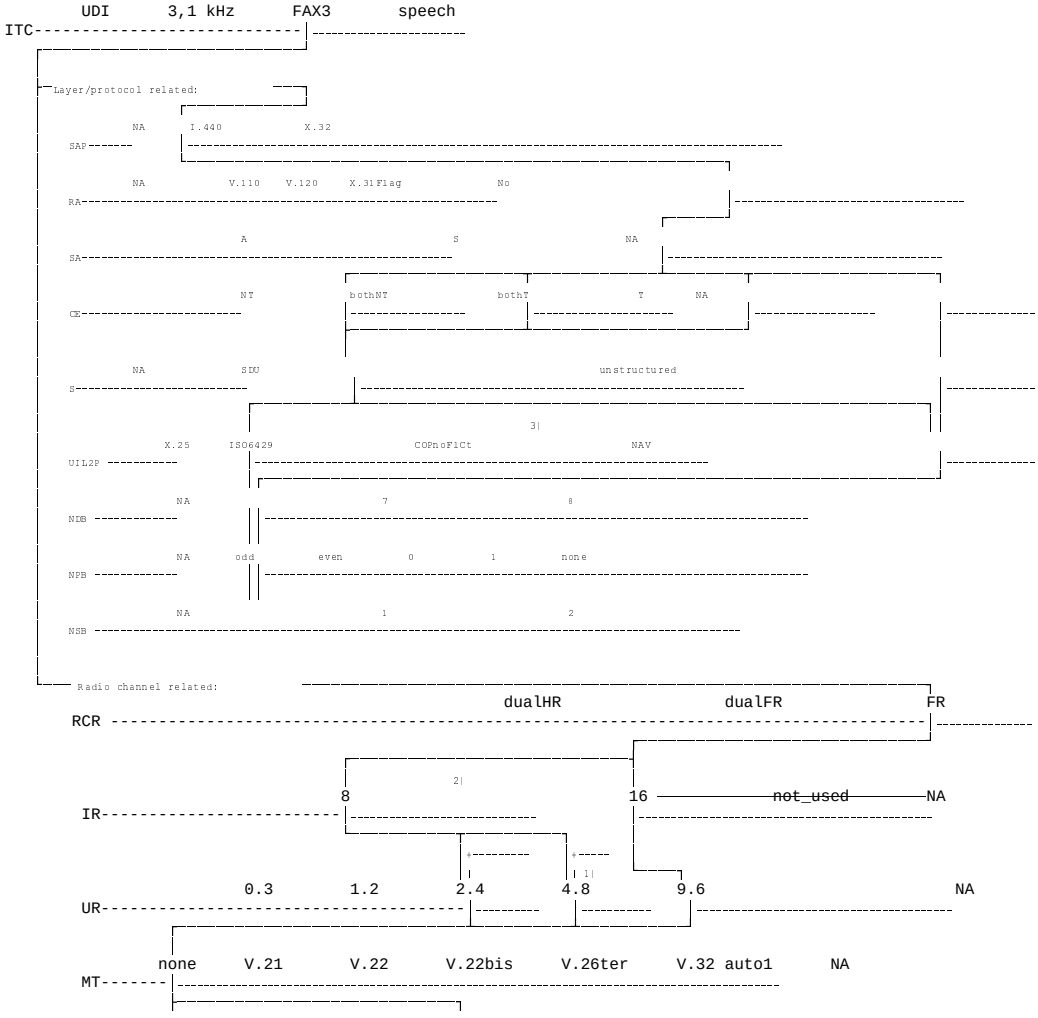
B.1.10 Teleservice 61, Alternate Speech and Facsimile group 3

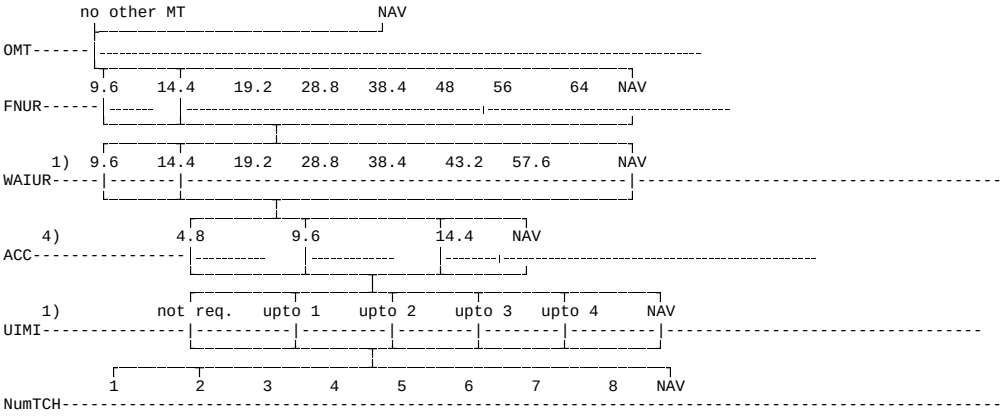
The information element of the "repeat indicator" is set to the value "circular for successive selection (alternate)".

B.1.10.1 Teleservice 61, Speech

Ref. subclause B.1.8.

B.1.10.2 Teleservice 61, Facsimile group 3 in GSM





1) for CE:NT or "both";
2) for CE:T only;
3) for MT CALL in the SETUP message only;
4) ACC may have several values simultaneously (bit map coding).

End of fourth and last amended section

3GPP TSG-CN3 Meeting #18 ***Tdoc N3-010304***
Dresden, Germany, 2001-07-09-2001-07-13

CR-Form-v4

CHANGE REQUEST

⌘ **27.001** **CR** **CR 062** ⌘ ev **1** ⌘ Current version: **4.4.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network ☐ Core Network **X**

Title:	⌘	Removal of erroneous IR value
Source:	⌘	TSG_CN WG3
Work item code:	⌘	Correction (CS Bearers) ***Date:*** ⌘ 2001-07-09
Category:	⌘	**A** ***Release:*** ⌘ REL-4

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
REL-4	*(Release 4)*
REL-5	*(Release 5)*

Reason for change:	⌘	TS 27.001 use the attribute value “not-used” (in table B.5) as the default value for IR. However, this value is not defined in TS 24.008. In order to align these specifications only values defined in TS 24.008 should be used in TS 27.001. TS 27.001 also show (in table B.5) an IR value of 4 kbit/s that does not exist.
Summary of change:	⌘	In table B5 (BC parameter settings) the default value of IT is changed from “not.used” to 16 kbit/s and the IR attribute values 4 kbit/s and “not-used” are removed. All flowdiagrams modified accordingly.
Consequences if not approved:	⌘	Incorrect information in specification.

Clauses affected:	⌘	Table B.5, Flowdiagrams B.1.2, B.1.3, B.1.8, B1.10.2 and B.1.10.3
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	Deleted flowdiagrams are highlighted in BLUE colour. New flowdiagrams are highlighted in GREEN colour.

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Start of first amended section

Table B.5: BC parameter setting (part 1)

Abbreviations for Parameters and Values:

common setting of field values

default setting of field values (NA)

		v	v
ITC...Information Transfer Capability:	- Speech		
	- UDI..Unrestricted Digital		
	- FAX3..Group 3 Facsimile		
	- 3,1 kHz..3,1 kHz Ex PLMN		
	- RDI..Restricted Digital		
TM....Transfer Mode:	- ci..Circuit	X	X
S.....Structure:	- SDU..Service Data Unit Integrity		
	- Unstructured	X	
C.....Configuration:	- pp..Point to point	X	X
E.....Establishment:	- de..Demand	X	X
SA....Sync/Async:	- S..Synchronous		
	- A..Asynchronous		
N.....Negotiation	- ibn..in band negotiation not possible	X	X
UR....User Rate:	- 0.3..0.3 kbit/s		
	- 1.2..1.2 kbit/s		
	- 2.4..2.4 kbit/s		
	- 4.8..4.8 kbit/s		
	- 9.6..9.6 kbit/s	X	
IR....Intermediate Rate:	- ~~4~~8.. 4 ~~8~~ 8 kbit/s		
	- ~~8~~16.. ~~8~~ 16 kbit/s	X	
	- ~~16.. 16 kbit/s~~		
	- ~~not_used..not used~~	X	
NICT..Network Independent Clock on Tx:	- not_required.. Not required	X	X
	- required		
NICR..Network Independent Clock on Rx:	- not_accepted..not accepted	X	X
	- accepted		
NSB...Number of Stop Bits:	- 1..1 bit	X	
	- 2..2 bit		
NDB...Number of Data Bits Excluding Parity If Present:	- 7.. 7 bit		
	- 8.. 8 bit	X	
NPB...Parity Information:	- Odd		
	- Even		
	- None	X	
	- 0.. Forced to 0		
	- 1.. Forced to 1		
UIL1P.User Information Layer 1 Protocol	- def..default layer 1 protocol	X	X

Table B.5: BC parameter setting (part 2)

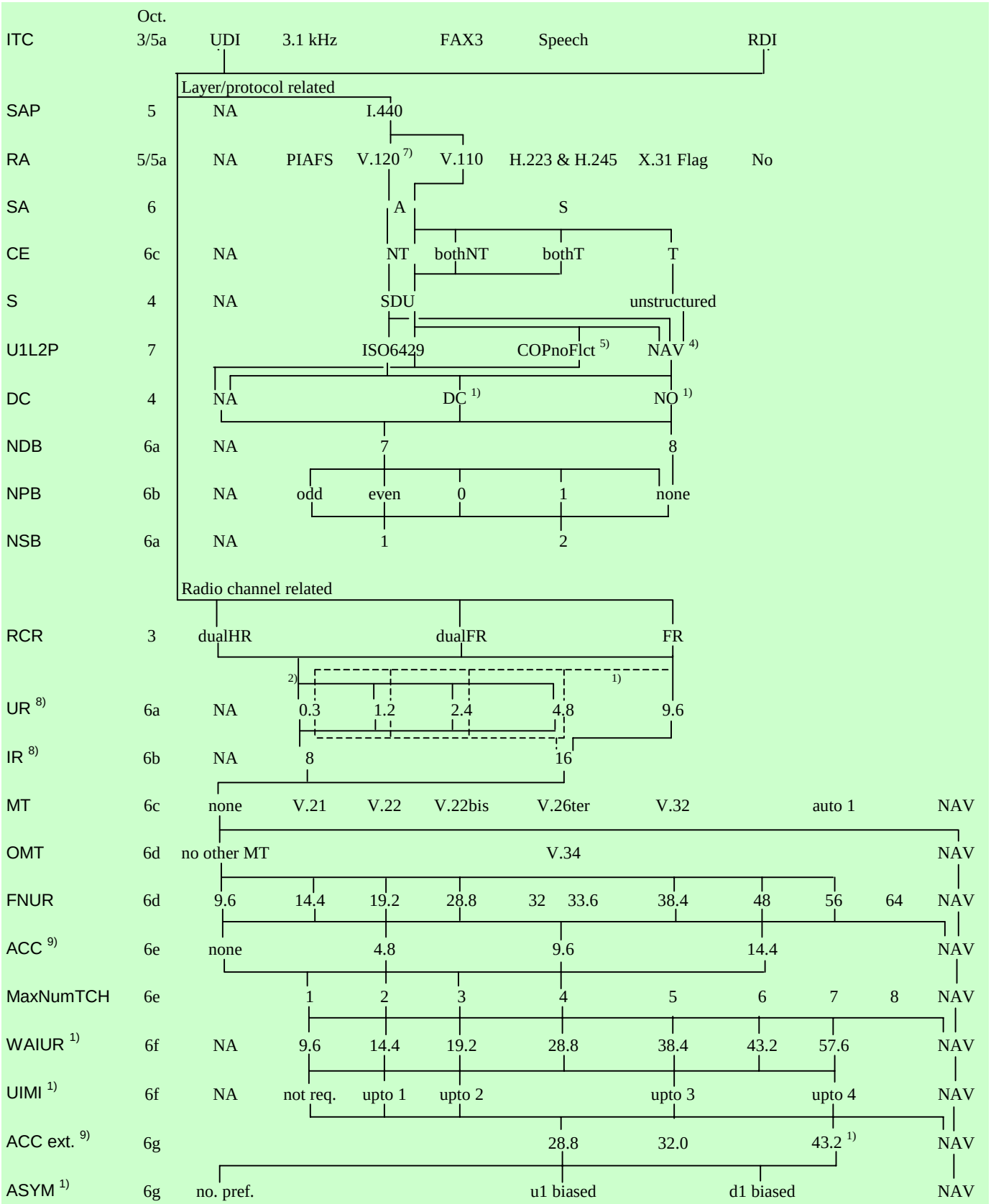
Abbreviations for Parameters and Values		common setting of field values	default setting of field values (NA)
DM....Duplex Mode:	-		
	- fd.. Full Duplex	X	X
MT....Modem Type:	- V.21		
	- V.22		
	- V.22 bis		
	- V.26 ter		
	- V.32		
	- auto1.. autobauding type 1		
	- none	X	
RCR...Radio Channel Requirement:	- FR Full Rate support only Mobile Station		
	- dual HR Dual Rate support Mobile Station/ Half Rate preferred		
	- dual FR Dual Rate support Mobile Station/ Full Rate preferred		
CE....Connection Element:	- T.. Transparent		
	- NT.. Non Transparent		
	- bothT both transparent preferred		
	- bothNT both non Transparent preferred		
UIL2P.User Information Layer 2 Protocol:	- ISO6429..ISO6429,codeset 0,DC1/DC3		
	- COPnoFlCt..Character oriented protocol with no flow control mechanism		
SAP...Signalling Access Protocol:	- I.440.. I.440/450	X	
RA....Rate Adaptation:	- V.110.. V.110/X.30		
	- X.31Flag.. X.31 flagstuffing		
	- NO.. no rate adaptation	X	
	- V.120		
	- PIAFS		
	- H.223 and H.245		
CS....Coding Standard:	- GSM	X	X
NIRR..Negotiation of Intermediate Rate Requested:	NM..No Meaning associated with this value	X	
	6kbit/s..6kbit/s radio interface rate requested		
DC....Data Compression	- DC.. compression possible/allowed		
	- NO.. compression not possible/allowed	X	

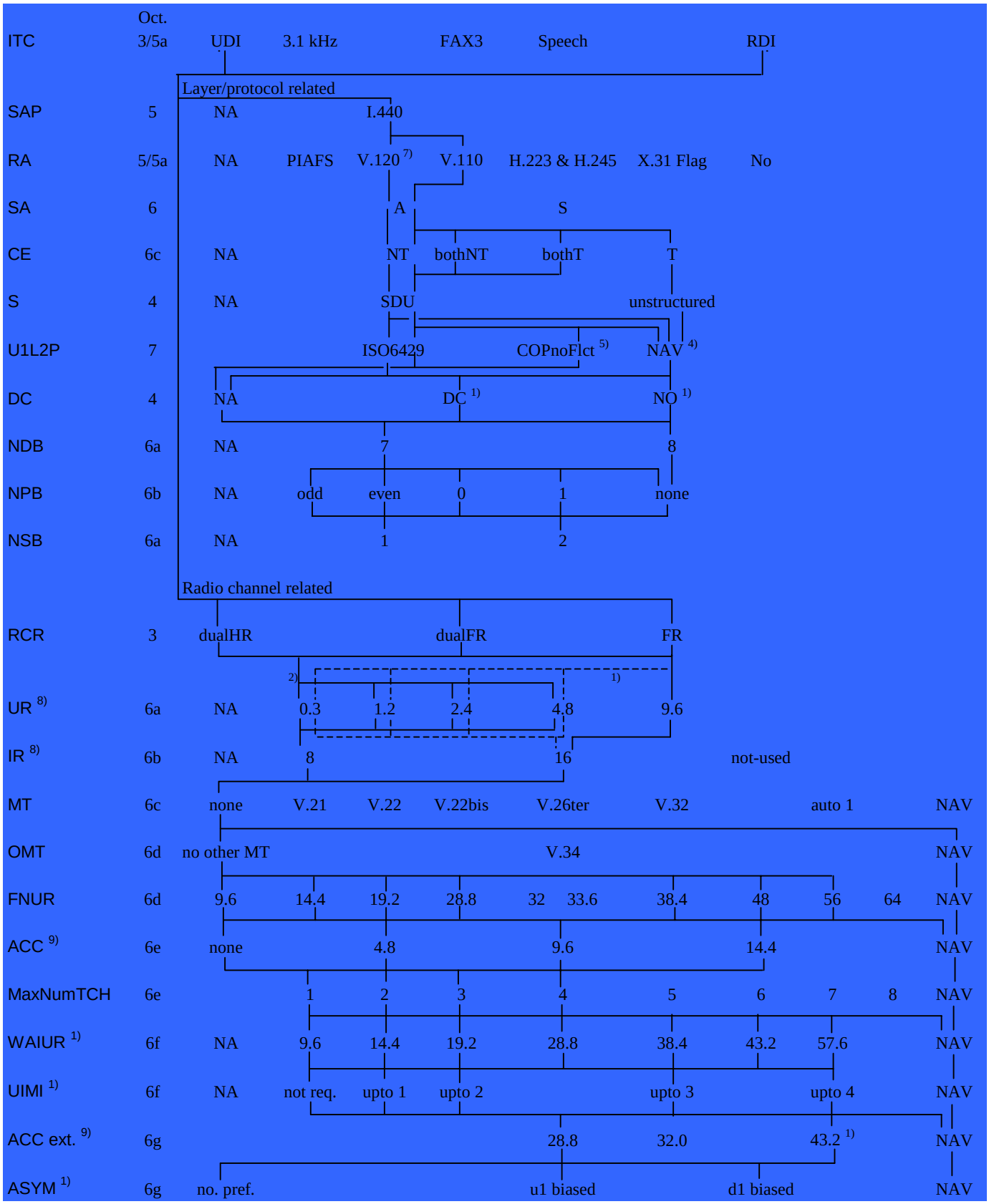
Table B.5: BC parameter setting (part 3)

Abbreviations for Parameters and Values		common setting of field values	default setting of field values (NA)
FNUR...Fixed Network User Rate	- FNUR not applicable		
	- 9.6.. 9.6 kbit/s		
	- 14.4.. 14.4 kbit/s		
	- 19.2.. 19.2 kbit/s		
	- 28.8.. 28.8 kbit/s		
	- 32.0.. 32.0 kbit/s		
	- 33.6.. 33.6 kbit/s		
	- 38.4.. 38.4 kbit/s		
	- 48.0.. 48.0 kbit/s		
	- 56.0.. 56.0 kbit/s		
	- 64.0.. 64.0 kbit/s		
WAIUR...Wanted Air Interface User Rate	- WAIUR not applicable		
	- 9.6.. 9.6 kbit/s	X	
	- 14.4.. 14.4 kbit/s		
	- 19.2.. 19.2 kbit/s		
	- 28.8.. 28.8 kbit/s		
	- 38.4.. 38.4 kbit/s		
	- 43.2.. 43.2 kbit/s		
	- 57.6.. 57.6 kbit/s		
	- int 38.4.. interpreted by the network as 38.4 kbit/s		
ACC.....Acceptable channel codings	- 4.8.. TCH/F4.8 acceptable		
	- 9.6.. TCH/F9.6 acceptable		
	- 14.4..TCH/F14.4 acceptable		
	- 28.8..TCH/F28.8 acceptable		
	- 32.0..TCH/F32.0 acceptable		
	- 43.2..TCH/F43.2 acceptable		
	- none..No channel coding (defined by selecting none of the above		
MaxNumTCH...Maximum Number of Traffic Channels			
	- 1.. 1 TCH		
	- 2.. 2 TCH		
	- 3.. 3 TCH		
	- 4.. 4 TCH		
	- 5.. 5 TCH		
	- 6.. 6 TCH		
	- 7.. 7 TCH		
	- 8.. 8 TCH		
OMT...Other modem type	- no other MT.. no other modem type		
	- V.34.. V.34		
User initiated modification indication	- not req.. user initiated modification not required	X	
	- upto 1 TCH.. user initiated modification upto 1 TCH may be requested		
	- upto 2 TCH.. user initiated modification upto 2 TCH may be requested		
	- upto 3 TCH.. user initiated modification upto 3 TCH may be requested		
	- upto 4 TCH.. user initiated modification upto 4 TCH may be requested		
Asymmetry preference indication	- 00 no preference		
	- 01 up link biased asymmetry preferred		
	- 10 down link biased asymmetry preferred		

B.1.2 Bearer Service 20, Data Circuit Duplex Asynchronous

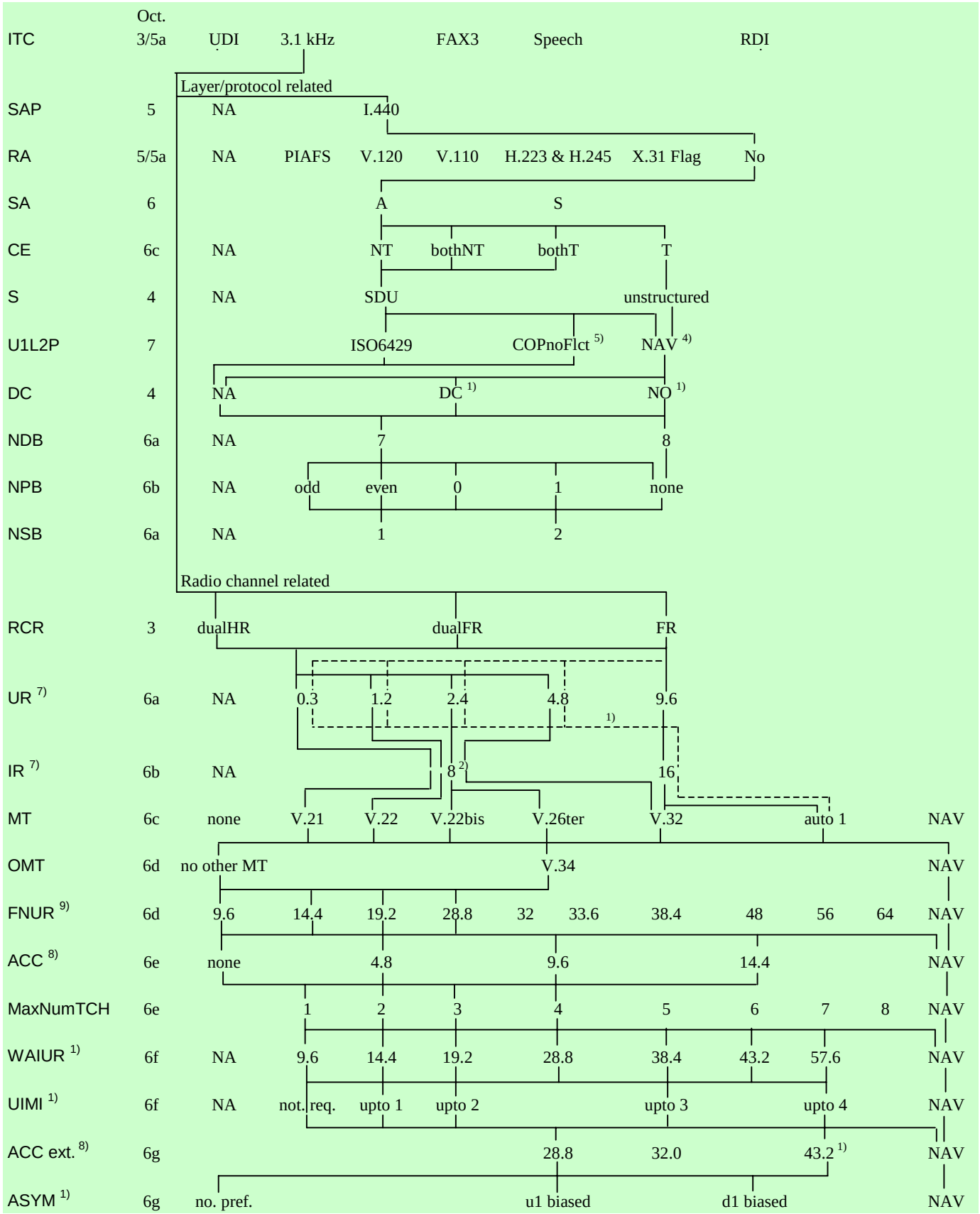
B.1.2.1 Unrestricted / restricted digital information transfer capability

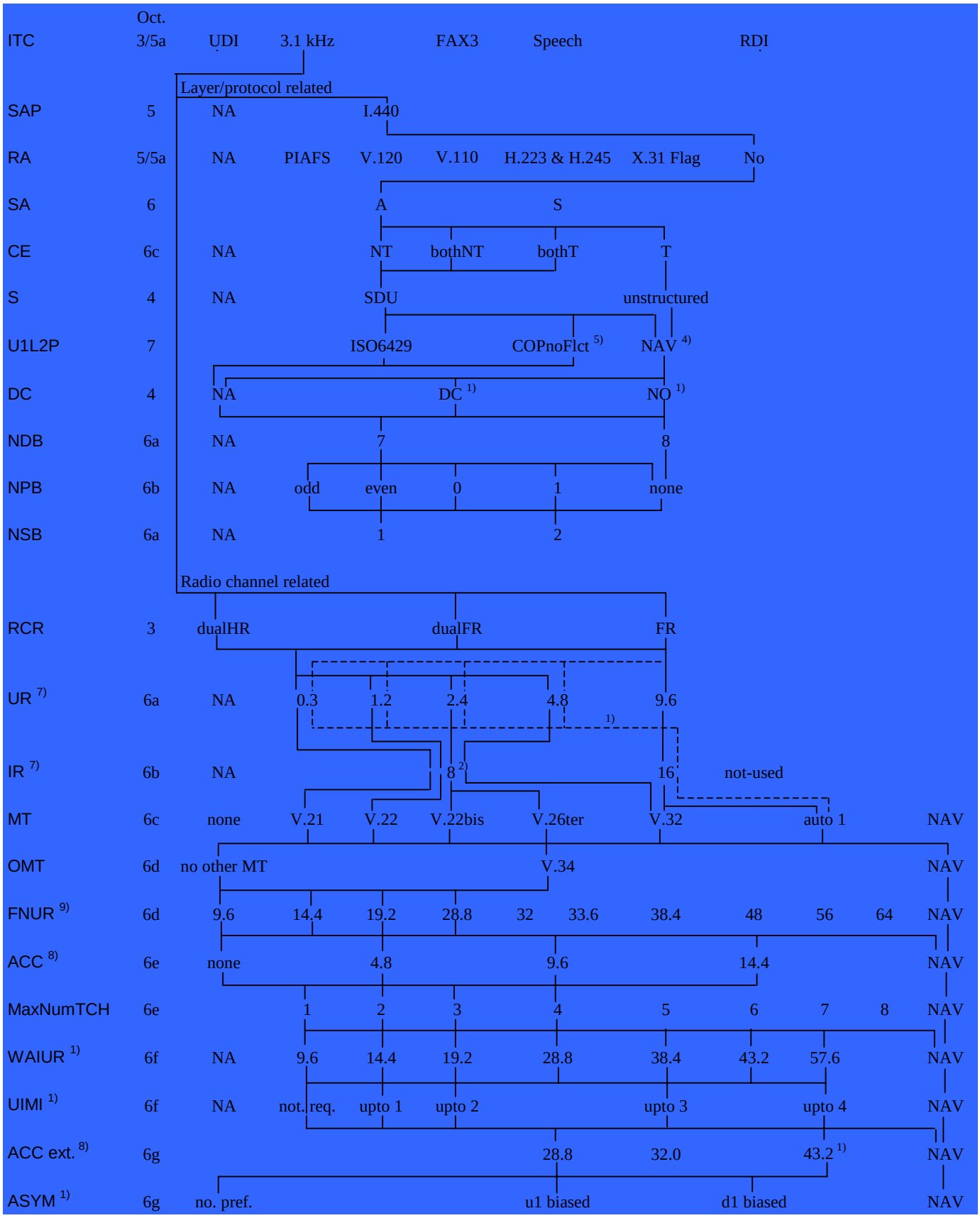

Oct.
ITC 3/5a UDI 3.1 kHz FAX3 Speech RDI
Layer/protocol related
SAP 5 NA I.440
RA 5/5a NA PIAFS V.120 7) V.110 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NA NT bothNT bothT T
S 4 NA SDU unstructured
U1L2P 7 ISO6429 COPnoFlct 5) NAV 4)
DC 4 NA DC 1) NO 1)
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
2) 1)
UR 8) 6a NA 0.3 1.2 2.4 4.8 9.6
IR 8) 6b NA 8 16
MT 6c none V.21 V.22 V.22bis V.26ter V.32 auto 1 NAV
OMT 6d no other MT V.34 NAV
FNUR 6d 9.6 14.4 19.2 28.8 32 33.6 38.4 48 56 64 NAV
ACC 9) 6e none 4.8 9.6 14.4 NAV
MaxNumTCH 6e 1 2 3 4 5 6 7 8 NAV
WAIUR 1) 6f NA 9.6 14.4 19.2 28.8 38.4 43.2 57.6 NAV
UIMI 1) 6f NA not req. upto 1 upto 2 upto 3 upto 4 NAV
ACC ext. 9) 6g 28.8 32.0 43.2 1) NAV
ASYM 1) 6g no. pref. u1 biased d1 biased NAV


Oct.
ITC 3/5a UDI 3.1 kHz FAX3 Speech RDI
Layer/protocol related
SAP 5 NA I.440
RA 5/5a NA PIAFS V.120 7) V.110 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NA NT bothNT bothT T
S 4 NA SDU unstructured
U1L2P 7 ISO6429 COPnoFlct 5) NAV 4)
DC 4 NA DC 1) NO 1)
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
2)
1)
UR 8) 6a NA 0.3 1.2 2.4 4.8 9.6
IR 8) 6b NA 8 16 not-used
MT 6c none V.21 V.22 V.22bis V.26ter V.32 auto 1 NAV
OMT 6d no other MT V.34 NAV
FNUR 6d 9.6 14.4 19.2 28.8 32 33.6 38.4 48 56 64 NAV
ACC 9) 6e none 4.8 9.6 14.4 NAV
MaxNumTCH 6e 1 2 3 4 5 6 7 8 NAV
WAIUR 1) 6f NA 9.6 14.4 19.2 28.8 38.4 43.2 57.6 NAV
UIMI 1) 6f NA not req. upto 1 upto 2 upto 3 upto 4 NAV
ACC ext. 9) 6g 28.8 32.0 43.2 1) NAV
ASYM 1) 6g no. pref. u1 biased d1 biased NAV

1) for CE:NT or "both";
2) for CE:T only or CE:NT and NIRR:6kb/s (not for the SETUP message);
3) Void;
4) for MT CALLS in the SETUP message or MO/MT CALLS with "out-band" flow control requested;
5) for MO/MT CALLS with no flow control requested;
6) Void;
7) the V.120 relevant BC parameters (octet 5b) shall be set according to the LLC (see clause B.2);
8) IR and UR are overridden by FNUR, ACC and MaxNumTCH;
9) ACC may have several values simultaneously (bit map coding).

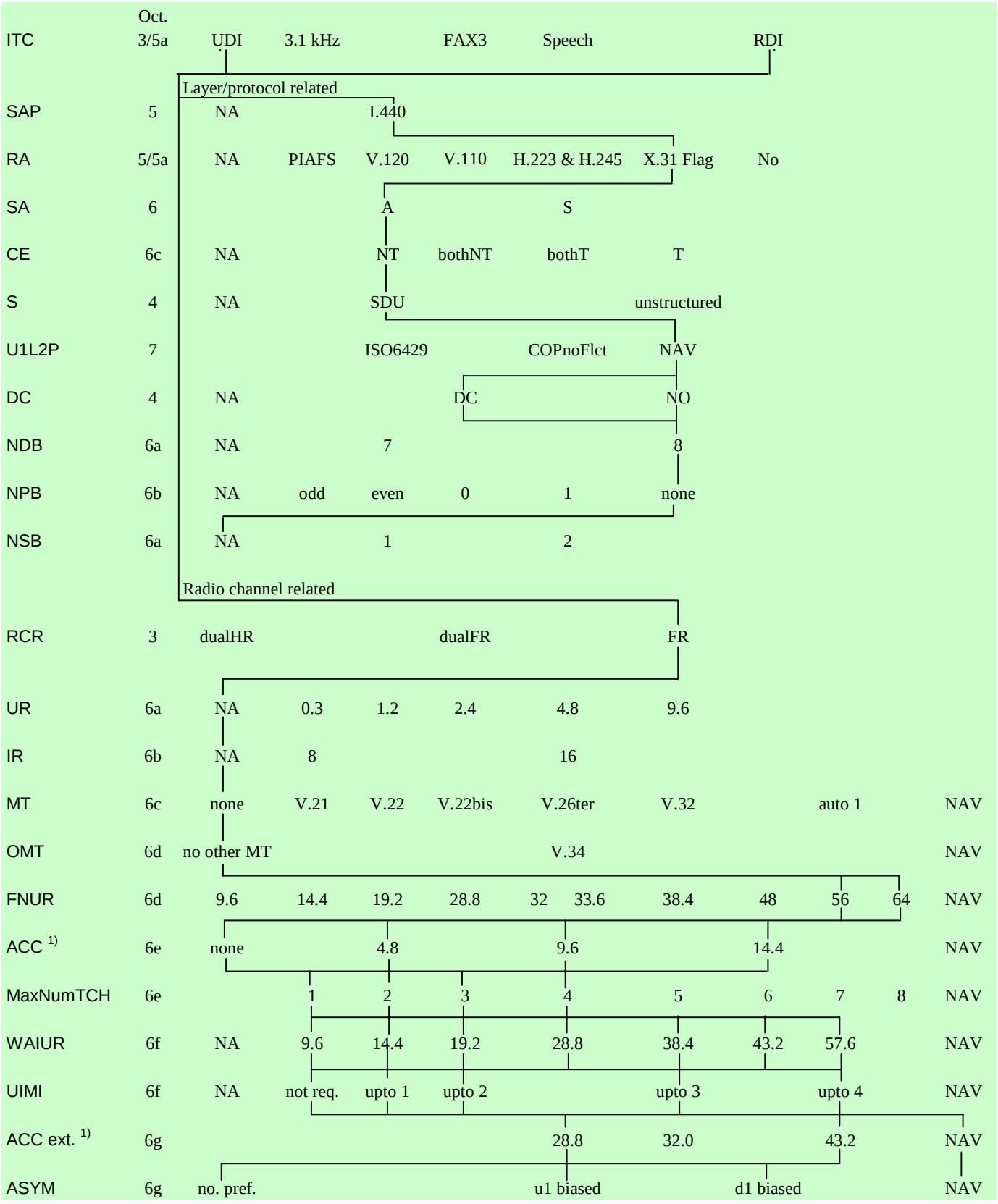
B.1.2.2 3,1 kHz audio ex-PLMN information transfer capability

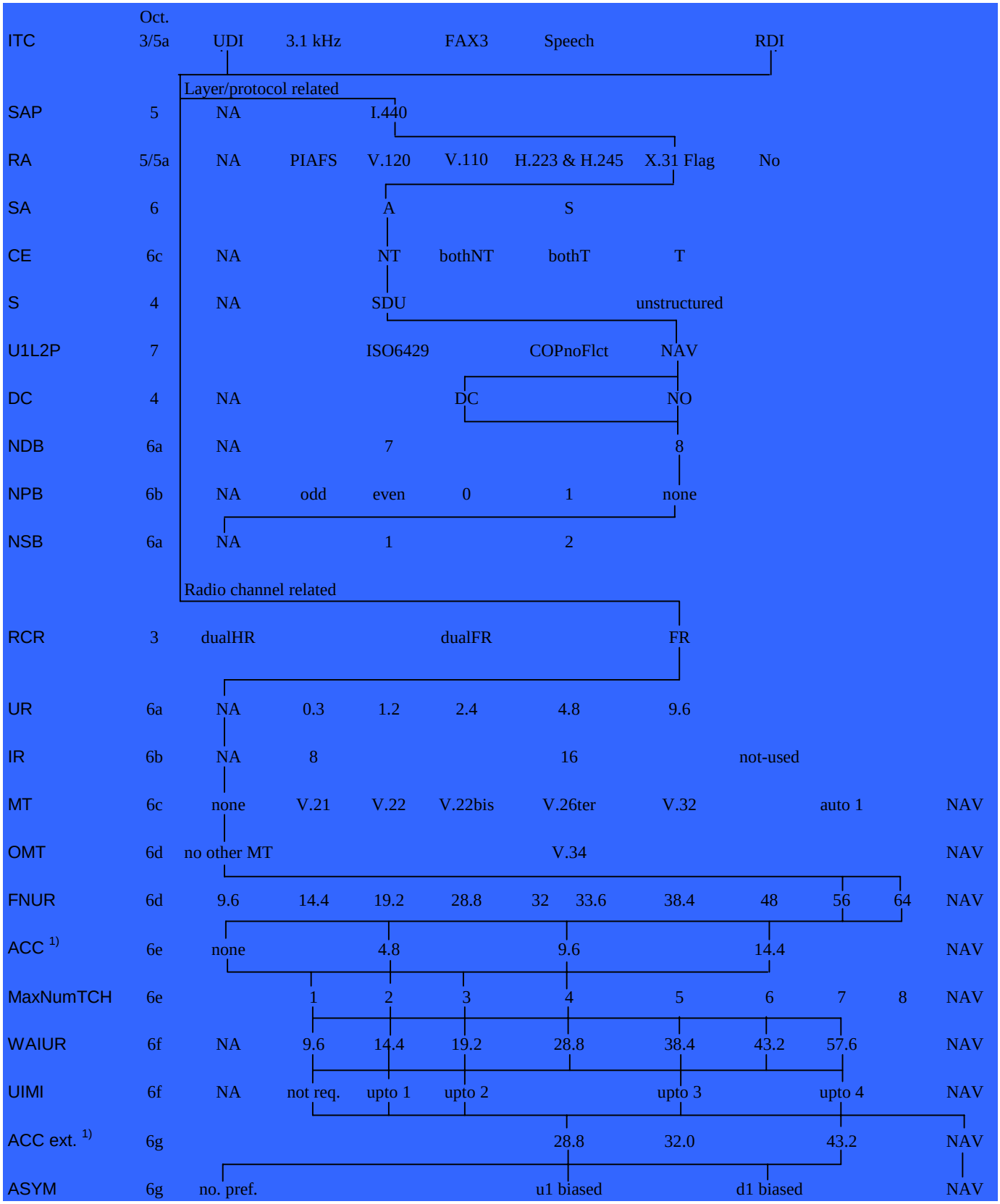



Oct.
ITC 3/5a UDI 3.1 kHz FAX3 Speech RDI
Layer/protocol related
SAP 5 NA I.440
RA 5/5a NA PIAFS V.120 V.110 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NA NT bothNT bothT T
S 4 NA SDU unstructured
U1L2P 7 ISO6429 COPnoFlct 5) NAV 4)
DC 4 NA DC 1) NO 1)
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
UR 7) 6a NA 0.3 1.2 2.4 4.8 9.6
1)
IR 7) 6b NA 8 2) 16 not-used
MT 6c none V.21 V.22 V.22bis V.26ter V.32 auto 1 NAV
OMT 6d no other MT V.34 NAV
FNUR 9) 6d 9.6 14.4 19.2 28.8 32 33.6 38.4 48 56 64 NAV
ACC 8) 6e none 4.8 9.6 14.4 NAV
MaxNumTCH 6e 1 2 3 4 5 6 7 8 NAV
WAIUR 1) 6f NA 9.6 14.4 19.2 28.8 38.4 43.2 57.6 NAV
UIMI 1) 6f NA not. req. upto 1 upto 2 upto 3 upto 4 NAV
ACC ext. 8) 6g 28.8 32.0 43.2 1) NAV
ASYM 1) 6g no. pref. u1 biased d1 biased NAV

1) for CE:NT or "both";
2) for CE:T only or CE:NT and NIRR:6kb/s (not for the SETUP message);
3) Void;
4) for MT CALLS in the SETUP message or MO/MT CALLS with "out-band" flow control requested (not for V.21 modem type);
5) for MO/MT CALLS with no flow control requested;
6) Void;
7) IR and UR are overridden by FNUR, ACC and MaxNumTCH.
8) ACC may have several values simultaneously (bit map coding).
9) in case of MT = auto1 the value of FNUR has no meaning.

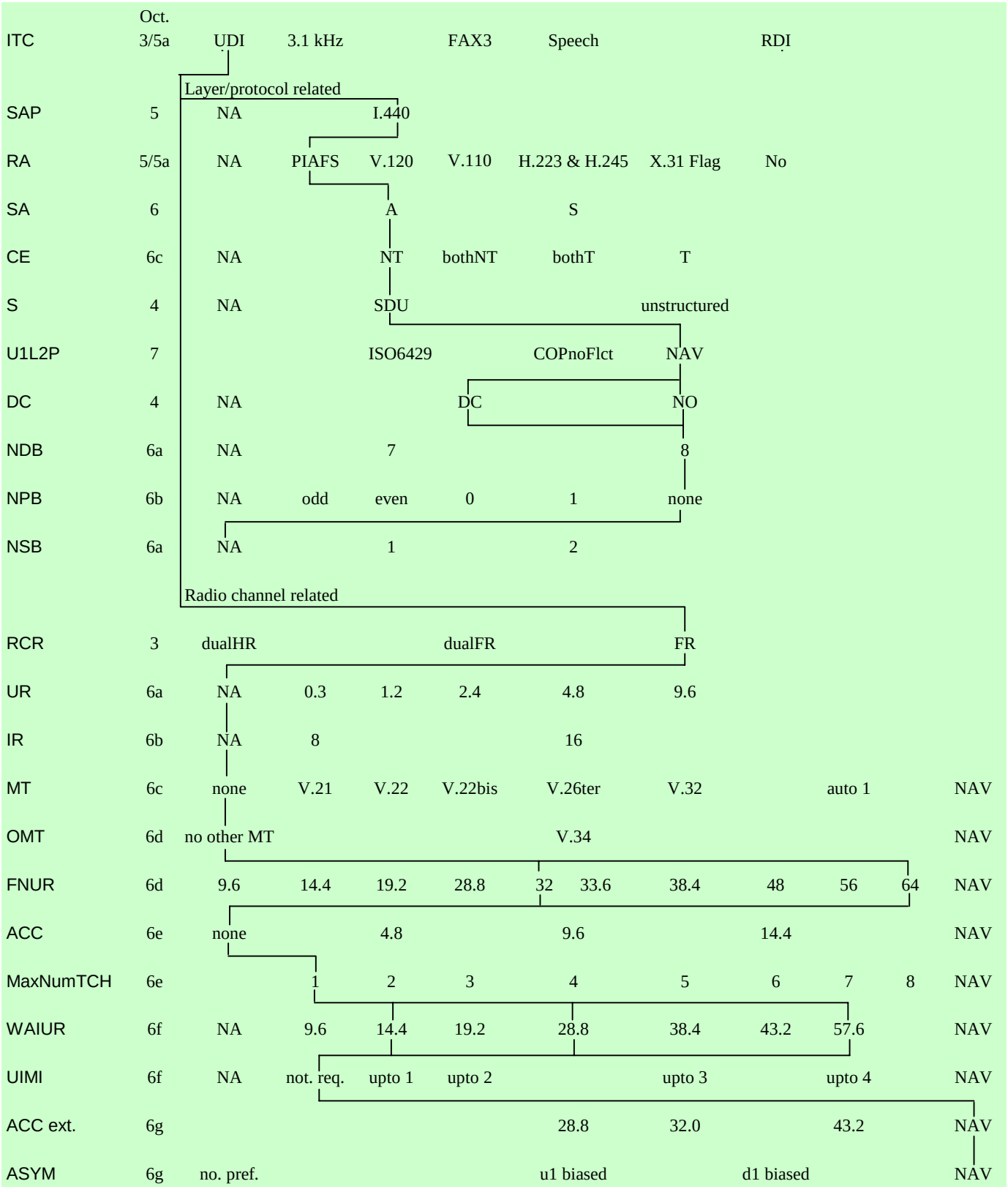
B.1.2.3 Frame Tunnelling Mode

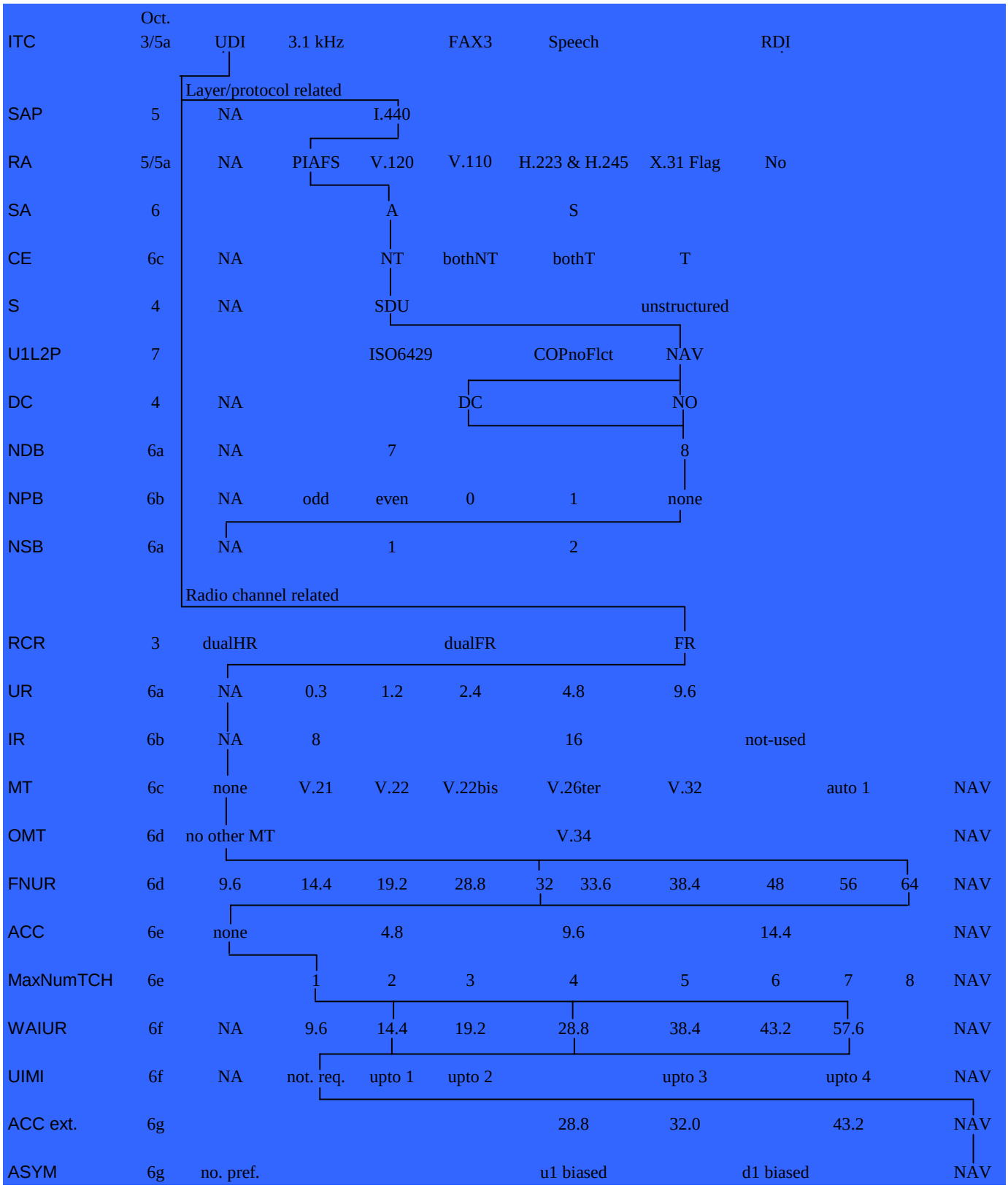




1) ACC may have several values simultaneously (bit map coding).

B.1.2.4 PIAFS


Oct.
ITC 3/5a UDI 3.1 kHz FAX3 Speech RDI
Layer/protocol related
SAP 5 NA I.440
RA 5/5a NA PIAFS V.120 V.110 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NA NT bothNT bothT T
S 4 NA SDU unstructured
U1L2P 7 ISO6429 COPnoFlct NAV
DC 4 NA DC NO
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
UR 6a NA 0.3 1.2 2.4 4.8 9.6
IR 6b NA 8 16
MT 6c none V.21 V.22 V.22bis V.26ter V.32 auto 1 NAV
OMT 6d no other MT V.34 NAV
FNUR 6d 9.6 14.4 19.2 28.8 32 33.6 38.4 48 56 64 NAV
ACC 6e none 4.8 9.6 14.4 NAV
MaxNumTCH 6e 1 2 3 4 5 6 7 8 NAV
WAIUR 6f NA 9.6 14.4 19.2 28.8 38.4 43.2 57.6 NAV
UIMI 6f NA not. req. upto 1 upto 2 upto 3 upto 4 NAV
ACC ext. 6g 28.8 32.0 43.2 NAV
ASYM 6g no. pref. u1 biased d1 biased NAV

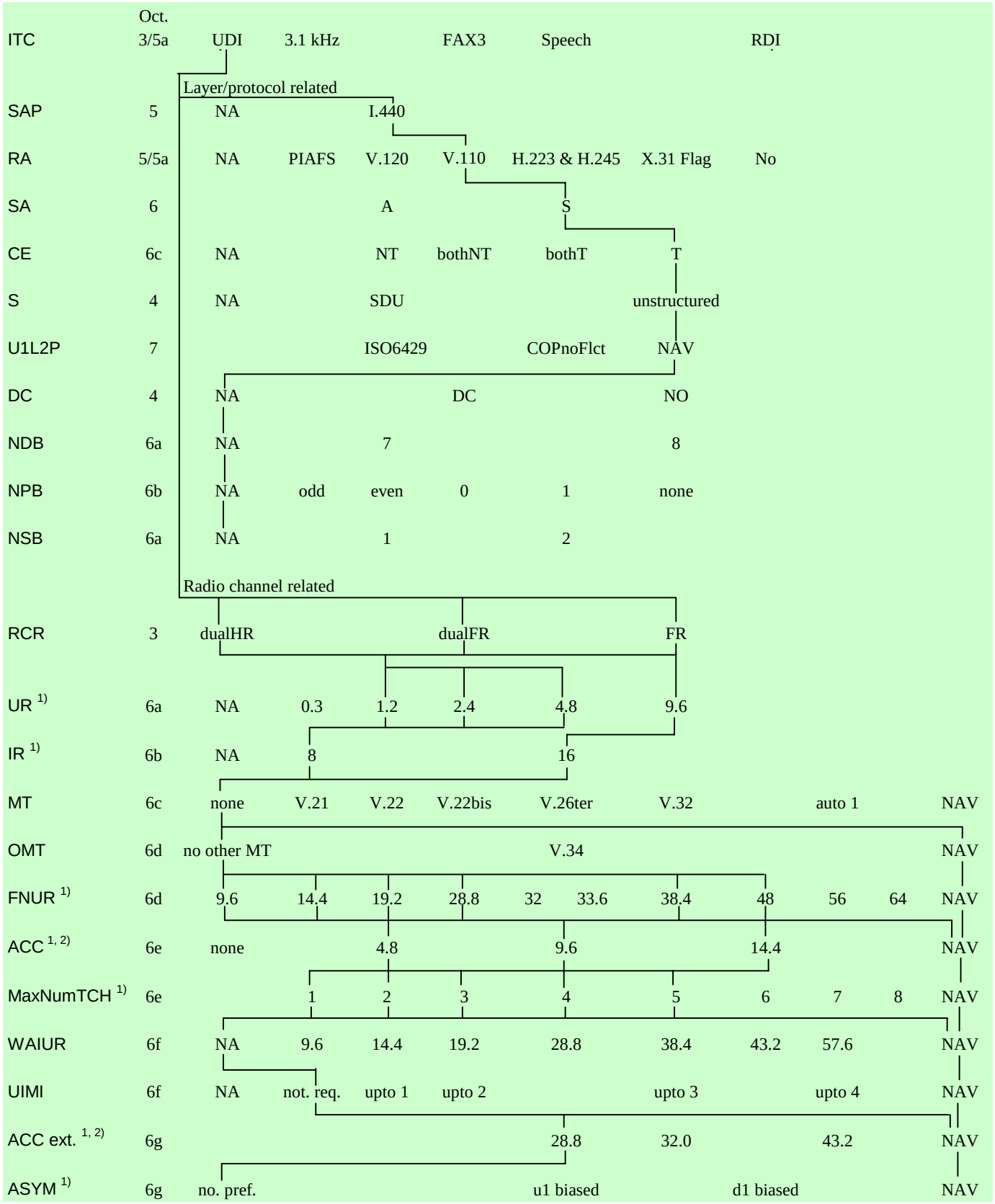

Oct.
ITC 3/5a UDI 3.1 kHz FAX3 Speech RDI
Layer/protocol related
SAP 5 NA I.440
RA 5/5a NA PIAFS V.120 V.110 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NA NT bothNT bothT T
S 4 NA SDU unstructured
U1L2P 7 ISO6429 COPnoFlct NAV
DC 4 NA DC NO
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
UR 6a NA 0.3 1.2 2.4 4.8 9.6
IR 6b NA 8 16 not-used
MT 6c none V.21 V.22 V.22bis V.26ter V.32 auto 1 NAV
OMT 6d no other MT V.34 NAV
FNUR 6d 9.6 14.4 19.2 28.8 32 33.6 38.4 48 56 64 NAV
ACC 6e none 4.8 9.6 14.4 NAV
MaxNumTCH 6e 1 2 3 4 5 6 7 8 NAV
WAIUR 6f NA 9.6 14.4 19.2 28.8 38.4 43.2 57.6 NAV
UIMI 6f NA not. req. upto 1 upto 2 upto 3 upto 4 NAV
ACC ext. 6g 28.8 32.0 43.2 NAV
ASYM 6g no. pref. u1 biased d1 biased NAV

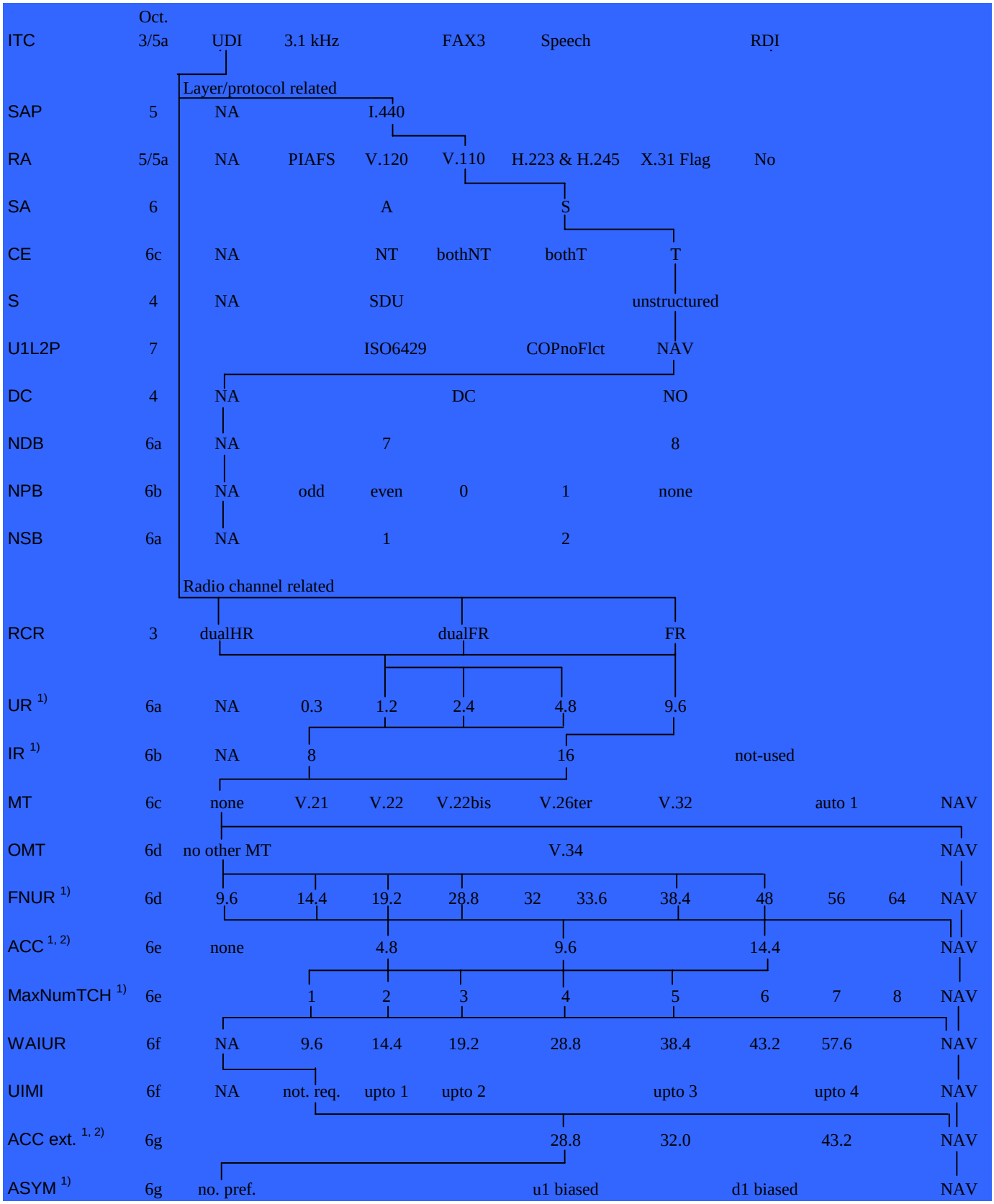
B.1.3 Bearer Service 30, Data Circuit Duplex Synchronous

B.1.3.1 Unrestricted/restricted digital information transfer capability

B.1.3.1.1 Transparent FNUR <= 48 kbit/s (TCH/F4.8, TCH/F9.6, TCH/14.4, TCH/F28.8)

Applies to GSM/GERAN only. No HO to/from UTRAN


Oct.
ITC 3/5a UDI 3.1 kHz FAX3 Speech RDI
Layer/protocol related
SAP 5 NA I.440
RA 5/5a NA PIAFS V.120 V.110 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NA NT bothNT bothT T
S 4 NA SDU unstructured
U1L2P 7 ISO6429 COPnoFlct NAV
DC 4 NA DC NO
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
UR 1) 6a NA 0.3 1.2 2.4 4.8 9.6
IR 1) 6b NA 8 16
MT 6c none V.21 V.22 V.22bis V.26ter V.32 auto 1 NAV
OMT 6d no other MT V.34 NAV
FNUR 1) 6d 9.6 14.4 19.2 28.8 32 33.6 38.4 48 56 64 NAV
ACC 1, 2) 6e none 4.8 9.6 14.4 NAV
MaxNumTCH 1) 6e 1 2 3 4 5 6 7 8 NAV
WAIUR 6f NA 9.6 14.4 19.2 28.8 38.4 43.2 57.6 NAV
UIMI 6f NA not. req. upto 1 upto 2 upto 3 upto 4 NAV
ACC ext. 1, 2) 6g 28.8 32.0 43.2 NAV
ASYM 1) 6g no. pref. u1 biased d1 biased NAV



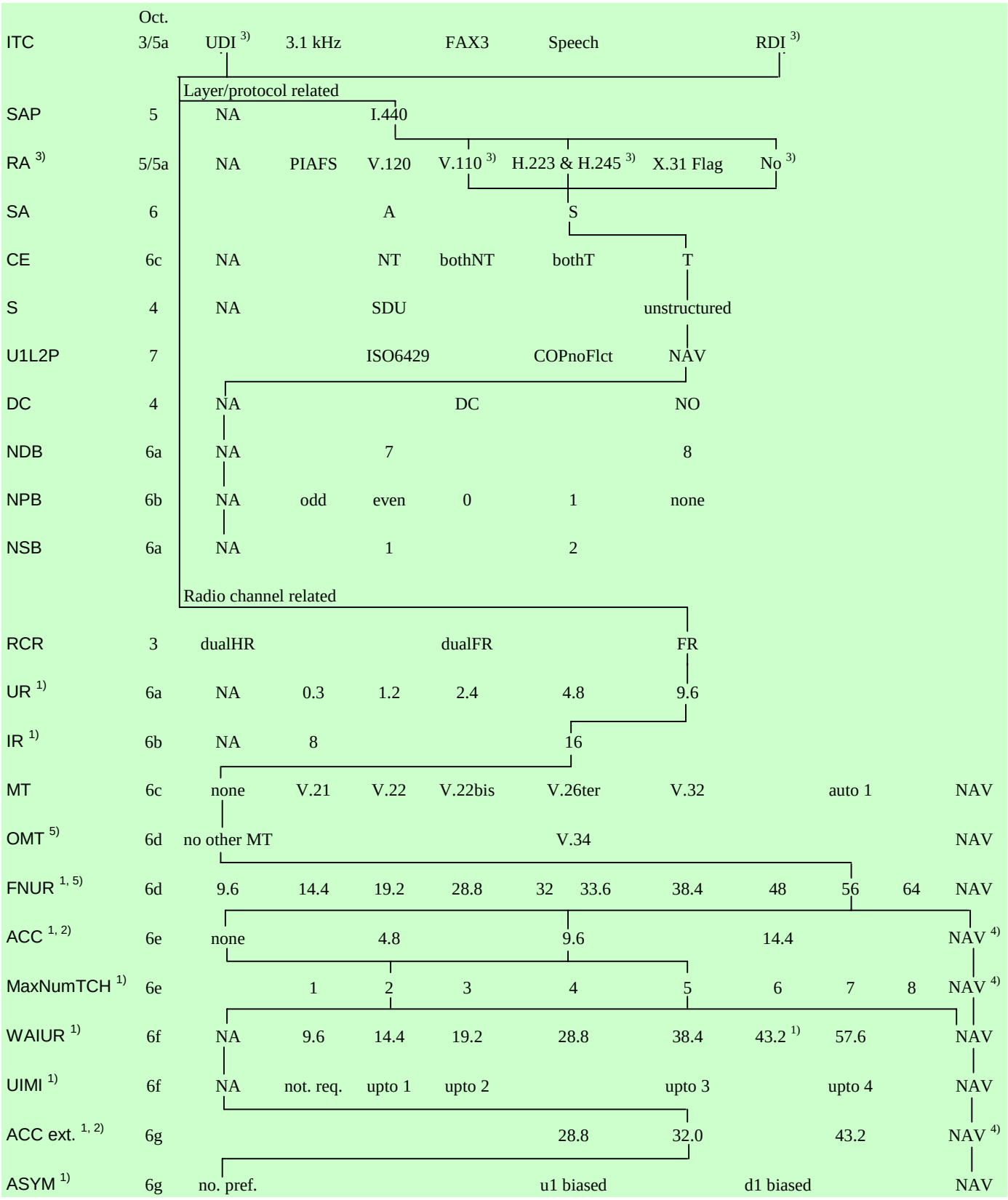
1) IR and UR are overridden by FNUR, ACC and MaxNumTCH.

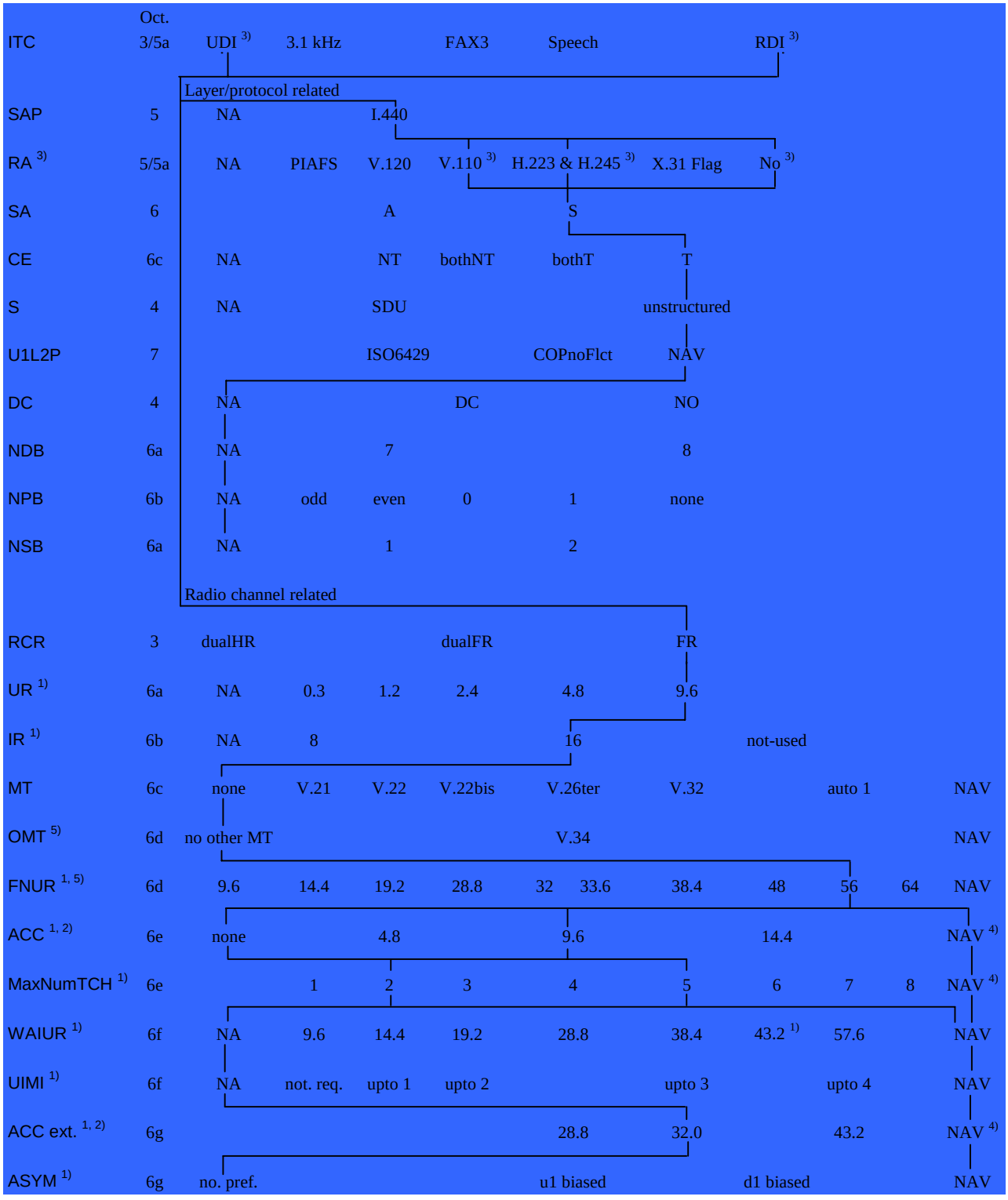
2) ACC may have several values simultaneously (bit map coding).

B.1.3.1.2 X.32 Case

Void.

B.1.3.1.3 Transparent FNUR=56 kbit/s, including 3G-H.324/M, (TCH/F9.6, TCH/F32.0, UTRAN)





1) IR and UR are overridden by FNUR, ACC and MaxNumTCH. IR and UR are not applicable to UMTS.

2) ACC may have several values simultaneously (bit map coding). However, handover to/from UTRAN is not possible if the network assigns other traffic channels than TCH/F9.6 or TCH/F32.0.

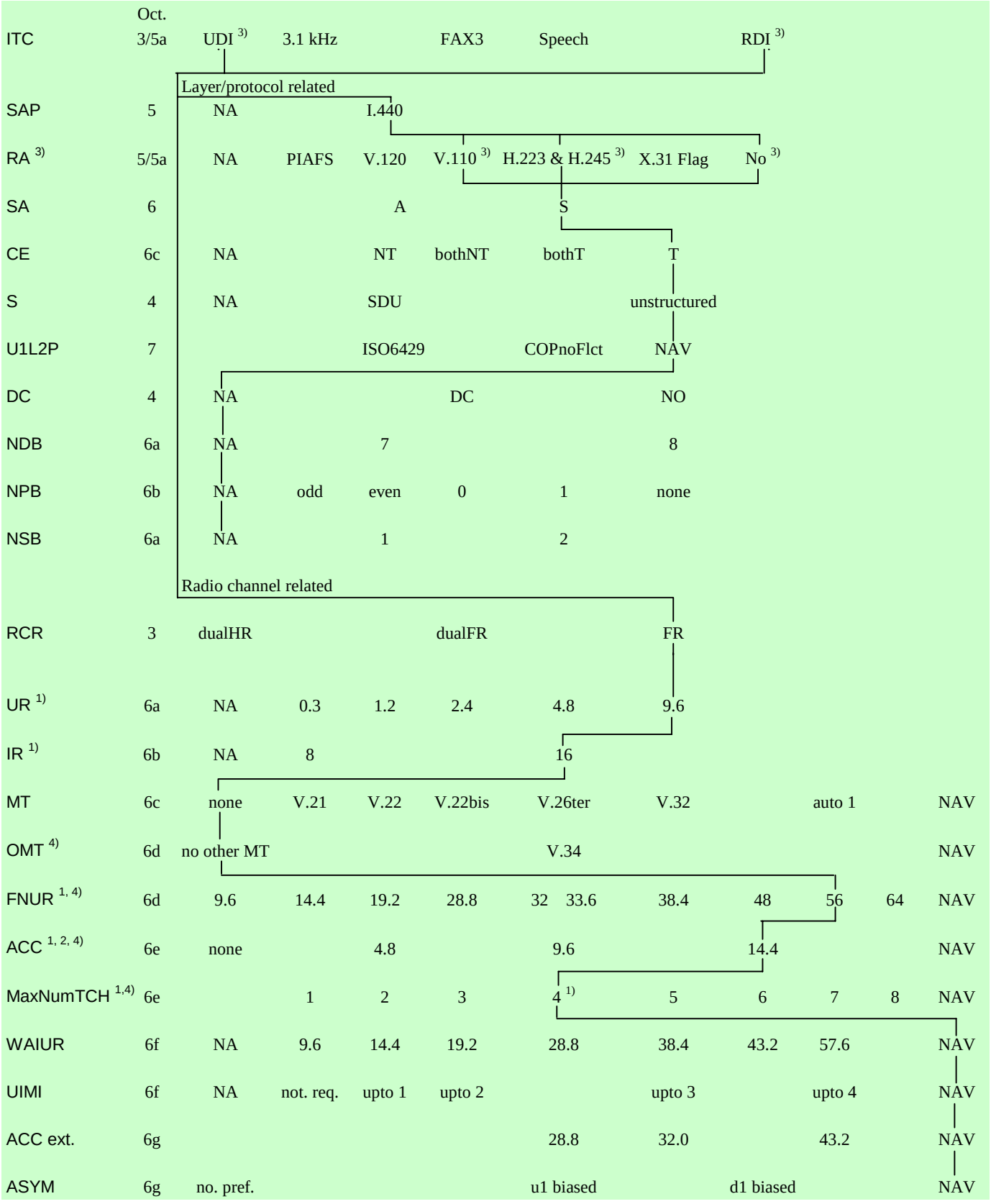
3) In case ITC=UDI, RA shall be set to V.110. In case ITC=RDI, RA shall be set to H.223 & H.245 or No.

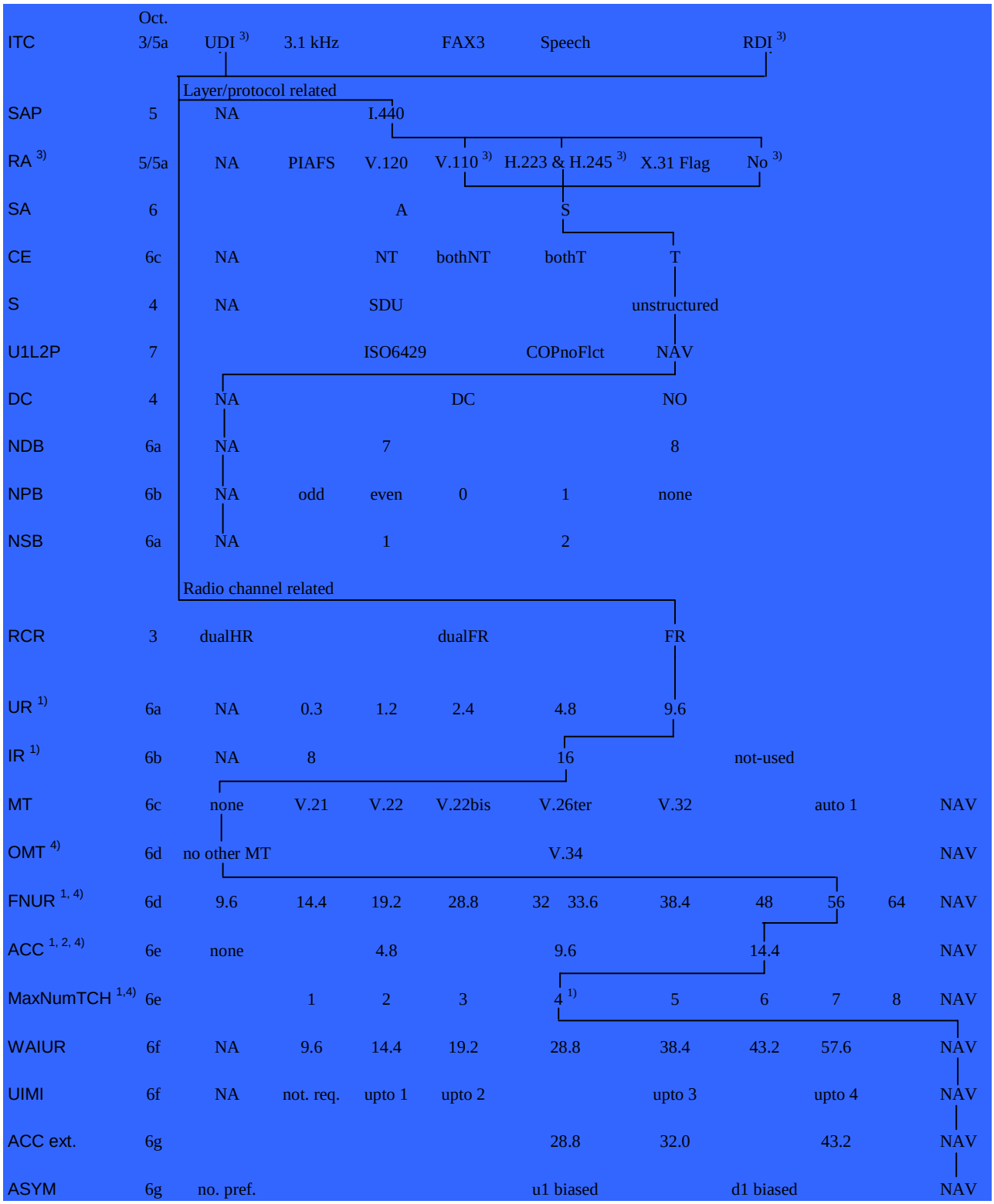
4) In case ACC and MaxNumTCH are not available operation is restricted to UTRAN.

5) The parameters FNUR and OMT are mandatory for this service.

B.1.3.1.4 Transparent FNUR = 56kbit/s, including 3G-H.324/M (TCH/F14.4)

Applies to GSM/GERAN only, no HO to/from UTRAN





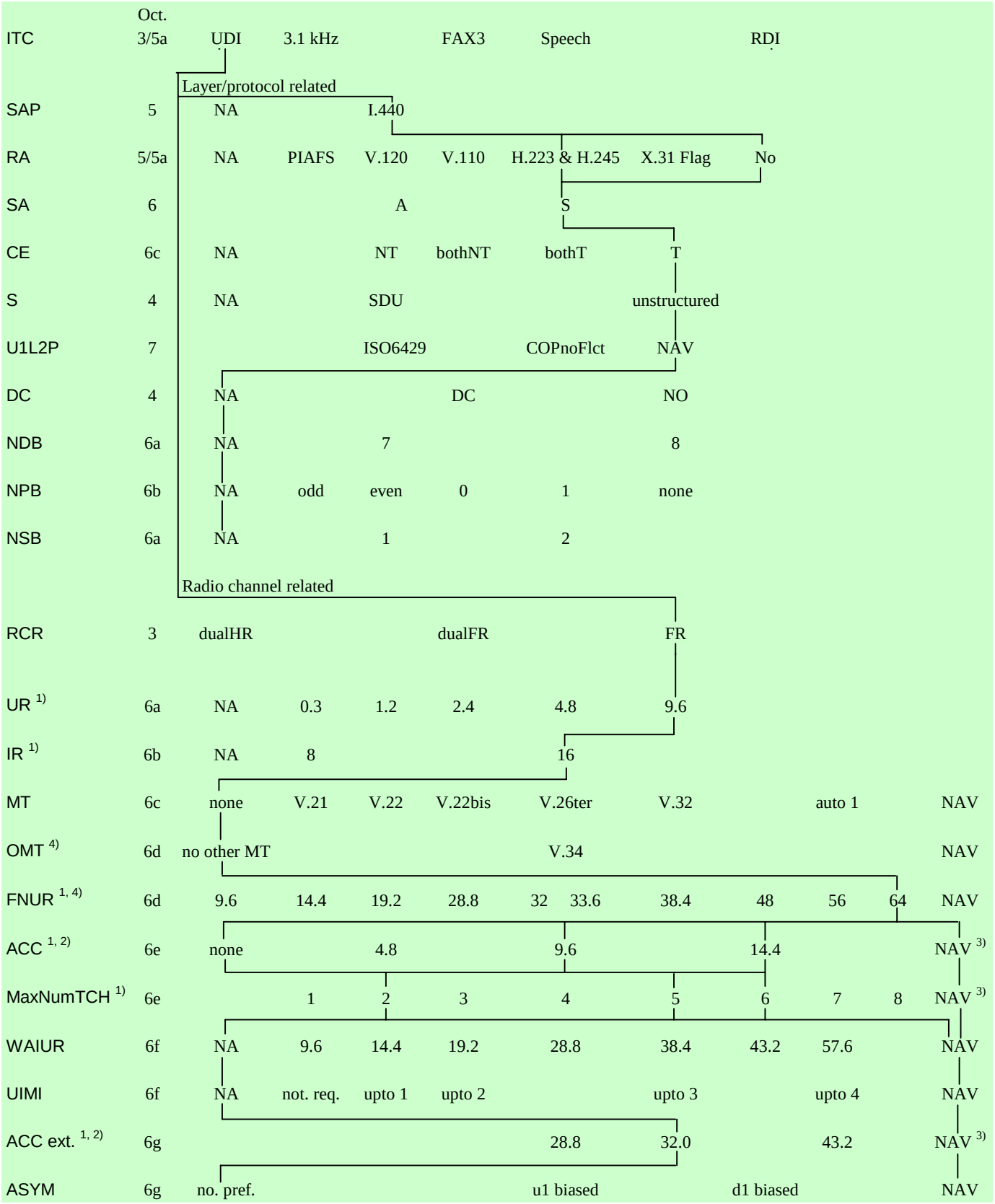
1) IR and UR are overridden by FNUR, ACC and MaxNumTCH.

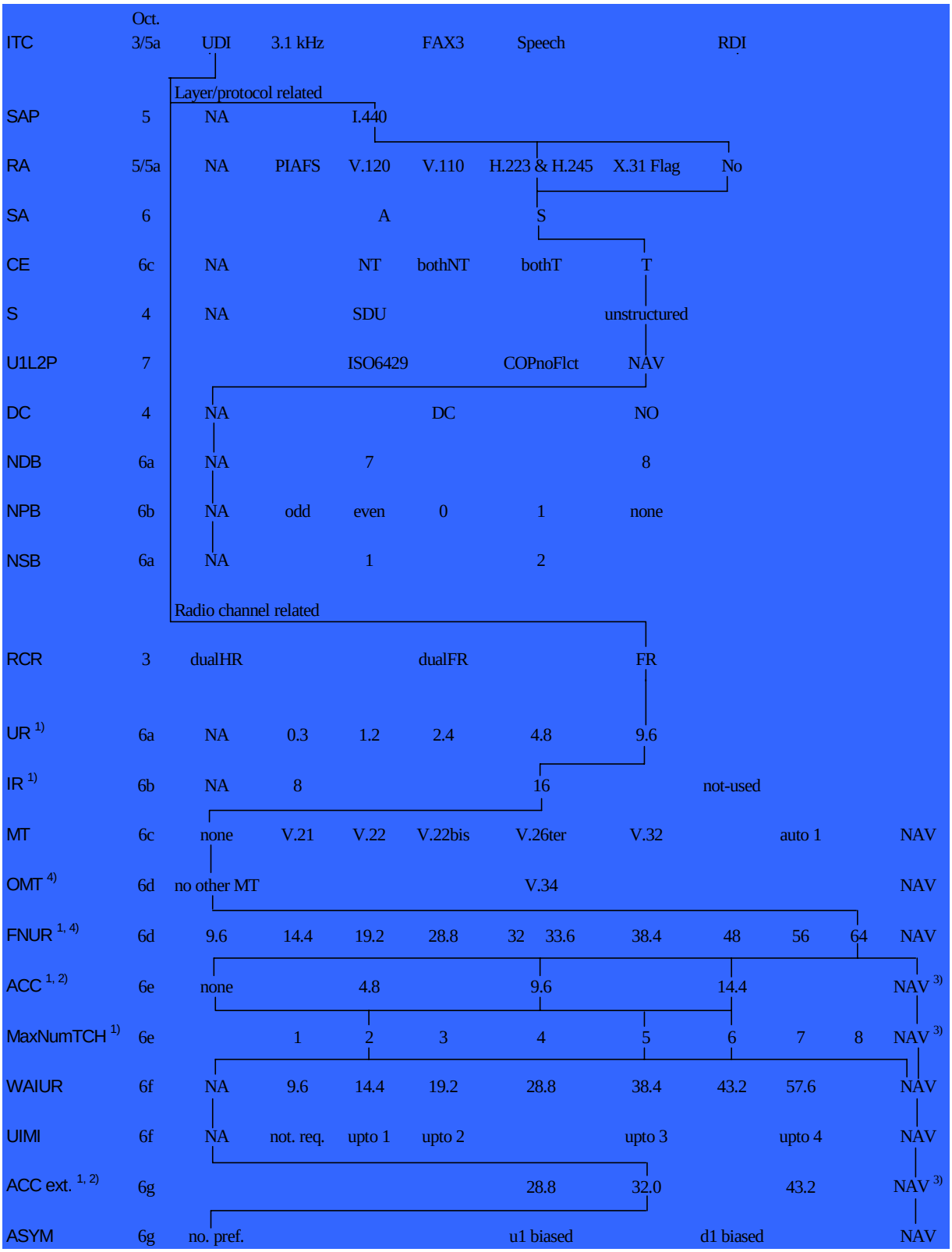
2) ACC may have several values simultaneously (bit map coding).

3) In case ITC=UDI, RA shall be set to V.110. In case ITC=RDI, RA shall be set to H.223 & H.245 or No.

4) The parameters FNUR, OMT, ACC and MaxNumTCH are mandatory for this service.

B.1.3.1.5 Transparent FNUR = 64kbit/s, including 3G-H.324/M (TCH/F9.6, TCH/F14.4, TCH/F32.0, UTRAN))





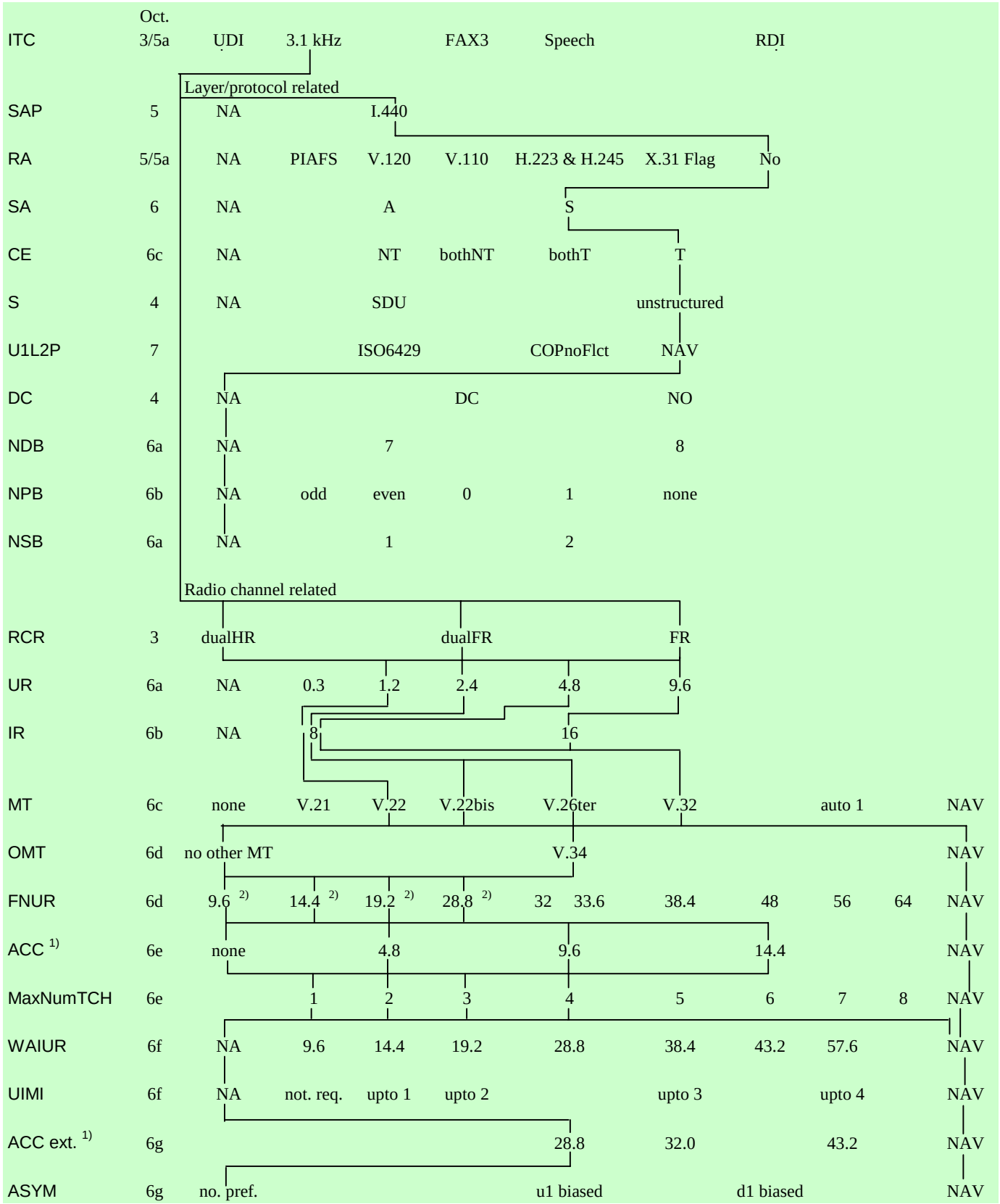
1) IR and UR are overridden by FNUR, ACC and MaxNumTCH. IR and UR are not applicable to UMTS.
2) ACC may have several values simultaneously (bit map coding).
3) If ACC and MaxNumTCH are not available operation is restricted to UTRAN.
4) The parameters FNUR and OMT are mandatory for this service.

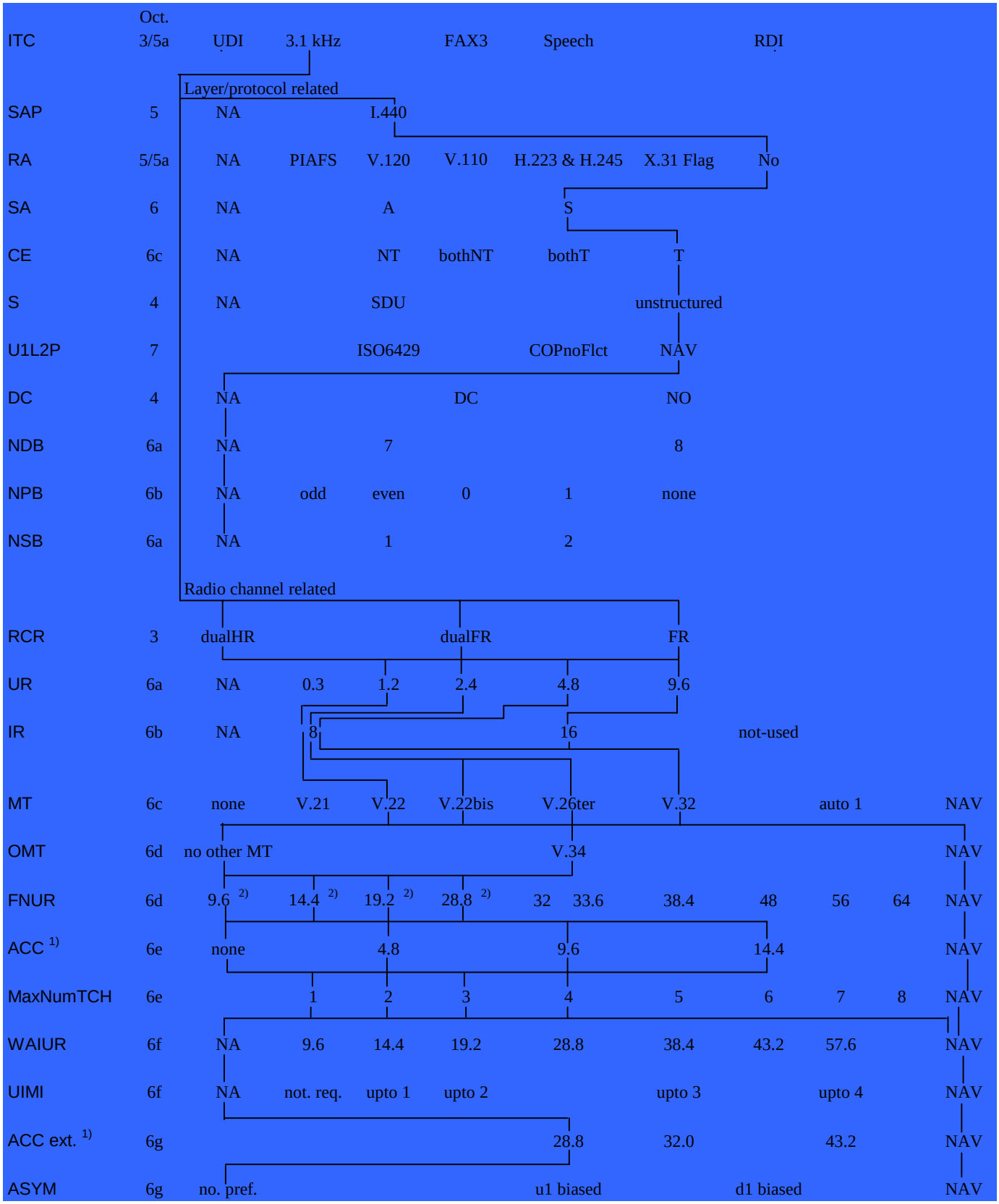
End of first amended section

Start of second amended section

B.1.3.2 3,1 kHz audio ex-PLMN information transfer capability

B.1.3.2.1 Non-X.32 Cases



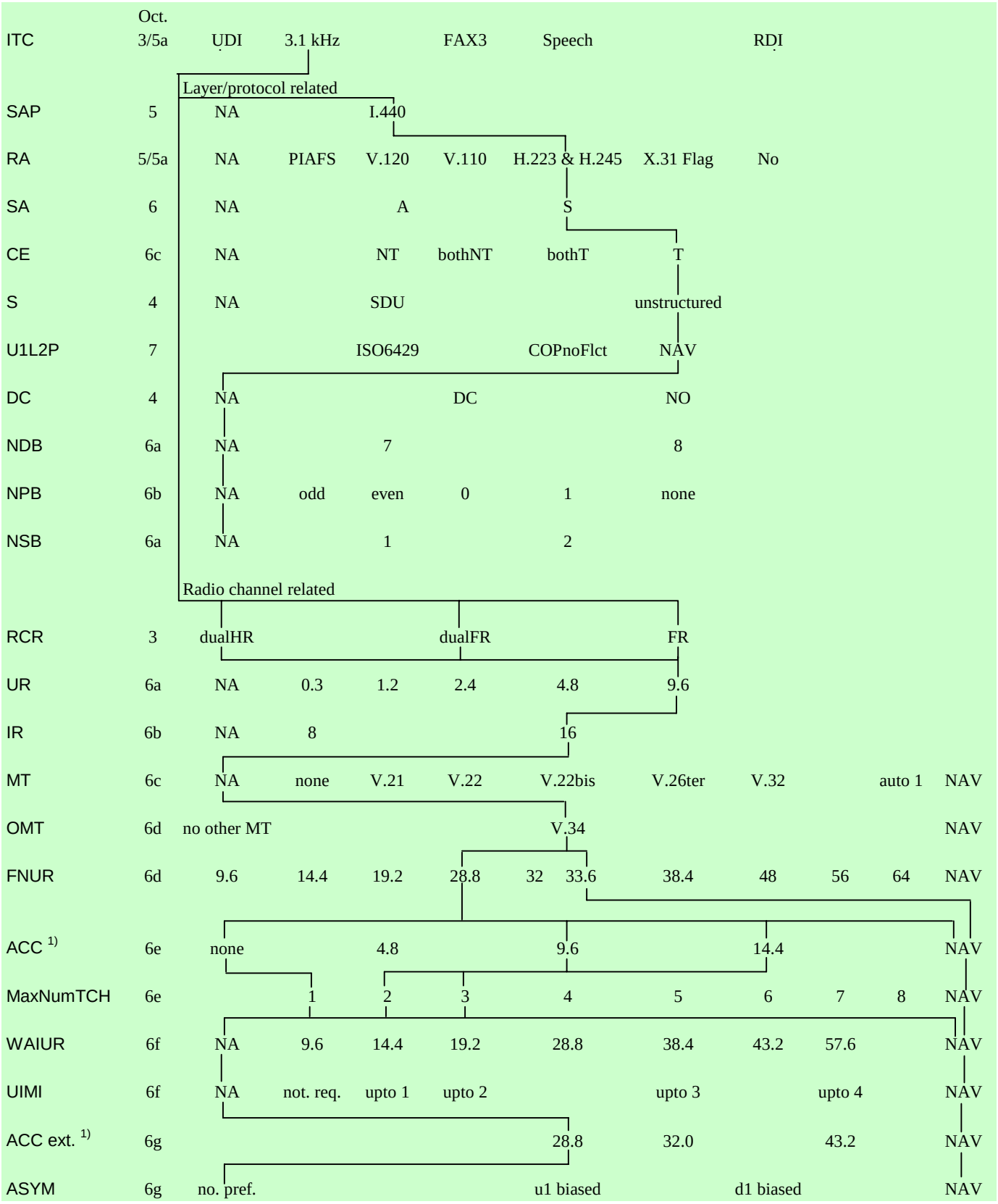


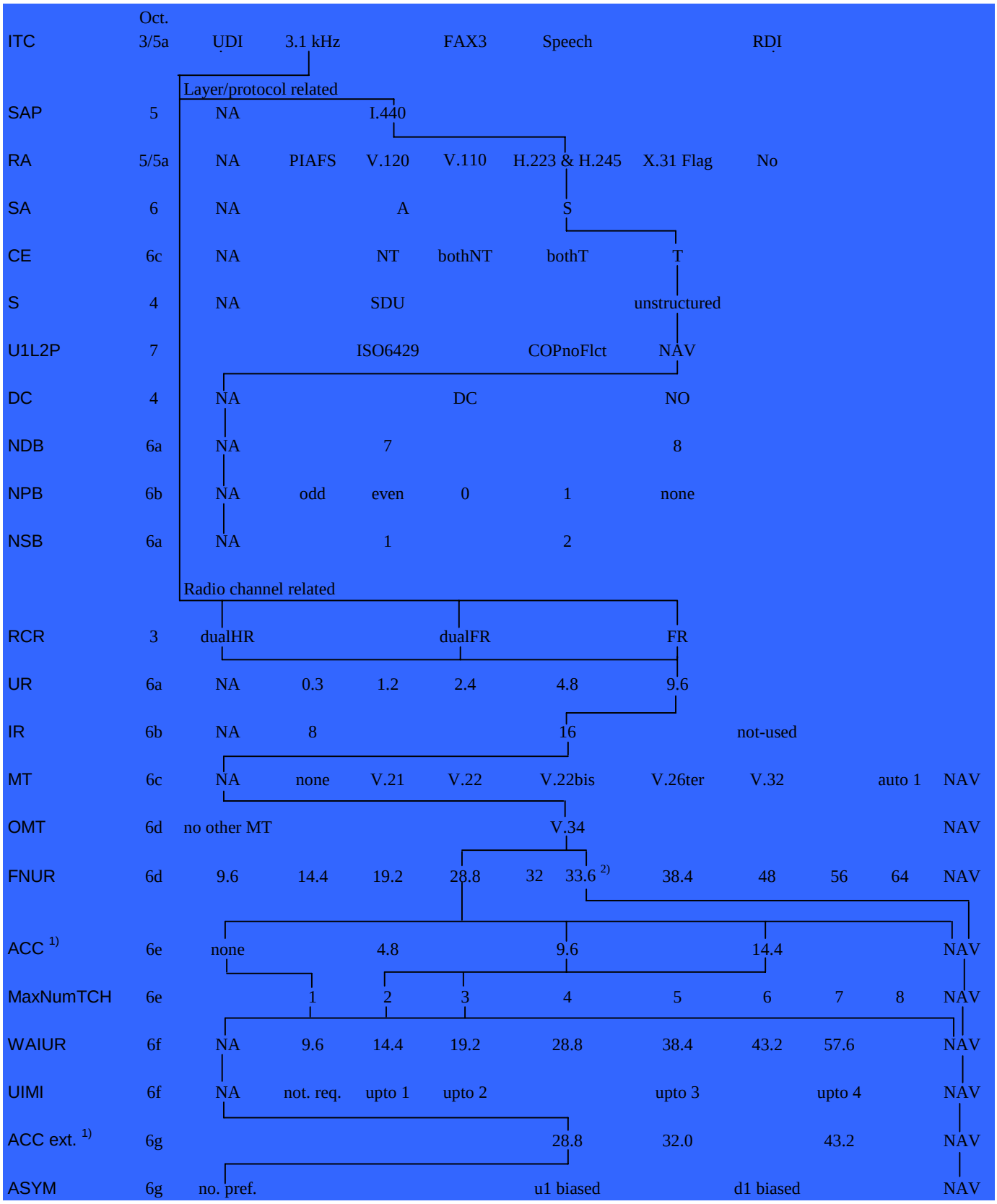
1) ACC may have several values simultaneously (bit map coding).

B.1.3.2.2 X.32 Case

Void.

B.1.3.2.3 3G-H.324/M Case





1) ACC may have several values simultaneously (bit map coding).

2) FNUR 33.6 kbit/s applies to UTRAN only.

B.1.4 Bearer Service 40 ... 46, PAD Access Asynchronous

Void.

B.1.5 Bearer Service 50 ... 53 ,Data Packet Duplex Synchronous, Unrestricted digital information transfer capability

Void.

B.1.6 Bearer Service 61, Alternate Speech/Data

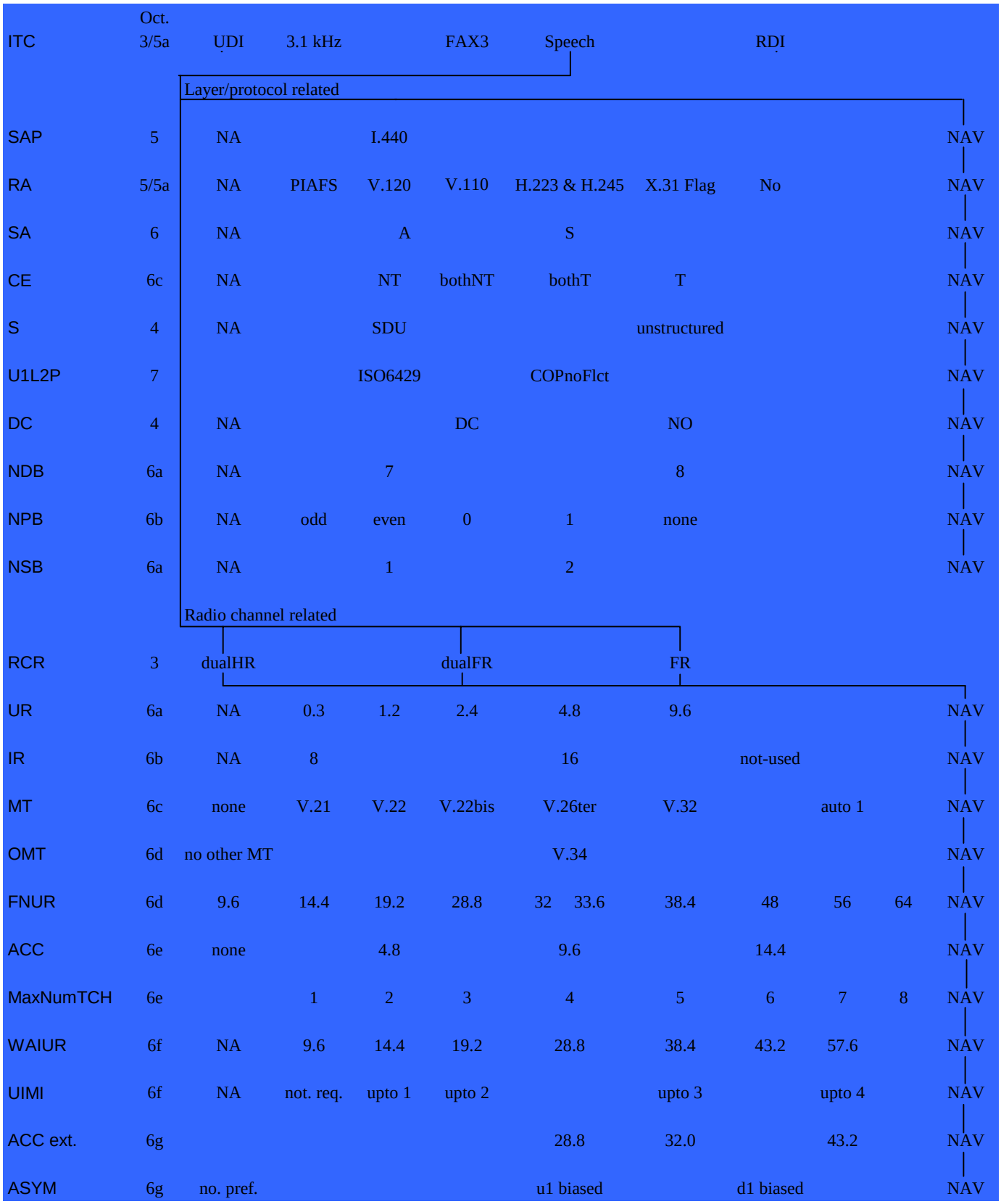
Void.

B.1.7 Bearer Service 81, Speech followed by Data

Void.

B.1.8 Teleservice 11 ... 12, Speech

ITC	Oct. 3/5a	UDI	3.1 kHz		FAX3	Speech		RDI			
		Layer/protocol related									
SAP	5	NA		I.440							NAV
RA	5/5a	NA	PIAFS	V.120	V.110	H.223 & H.245	X.31 Flag	No			NAV
SA	6	NA		A		S					NAV
CE	6c	NA		NT	bothNT	bothT	T				NAV
S	4	NA		SDU			unstructured				NAV
U1L2P	7			ISO6429		COPnoFlct					NAV
DC	4	NA			DC		NO				NAV
NDB	6a	NA		7			8				NAV
NPB	6b	NA	odd	even	0	1	none				NAV
NSB	6a	NA		1		2					NAV
		Radio channel related									
RCR	3	dualHR			dualFR		FR				
UR	6a	NA	0.3	1.2	2.4	4.8	9.6				NAV
IR	6b	NA	8			16					NAV
MT	6c	none	V.21	V.22	V.22bis	V.26ter	V.32		auto 1		NAV
OMT	6d	no other MT				V.34					NAV
FNUR	6d	9.6	14.4	19.2	28.8	32	33.6	38.4	48	56	64	NAV
ACC	6e	none		4.8		9.6		14.4			NAV
MaxNumTCH	6e		1	2	3	4	5	6	7	8	NAV
WAIUR	6f	NA	9.6	14.4	19.2	28.8	38.4	43.2	57.6		NAV
UIMI	6f	NA	not. req.	upto 1	upto 2		upto 3		upto 4		NAV
ACC ext.	6g					28.8	32.0		43.2		NAV
ASYM	6g	no. pref.				u1 biased		d1 biased			NAV



B.1.9 Teleservice 21 ... 23, Short Message

Not applicable.

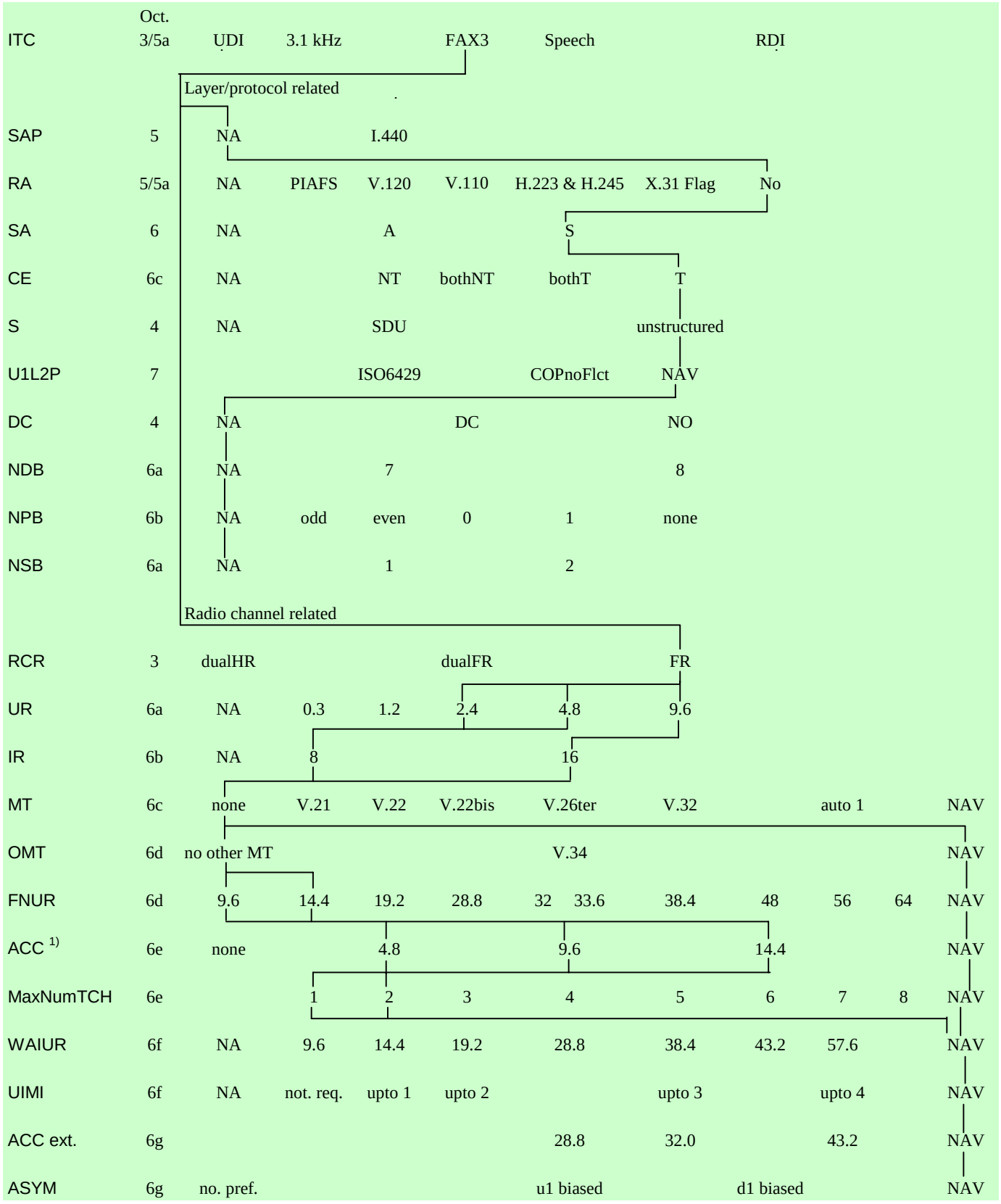
B.1.10 Teleservice 61, Alternate Speech and Facsimile group 3

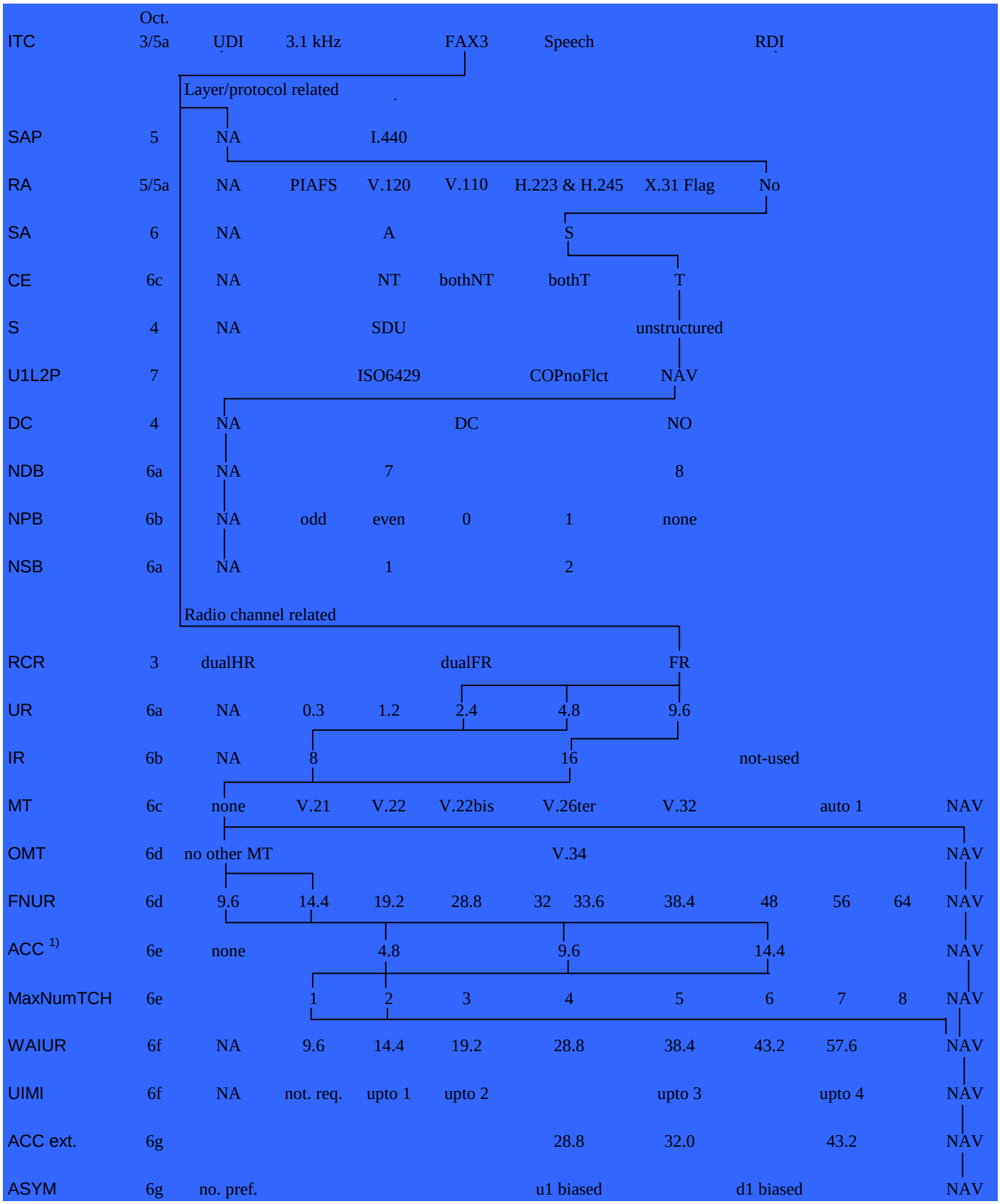
The information element of the "repeat indicator" is set to the value "circular for successive selection (alternate)".

B.1.10.1 Teleservice 61, Speech

Ref. subclause B.1.8.

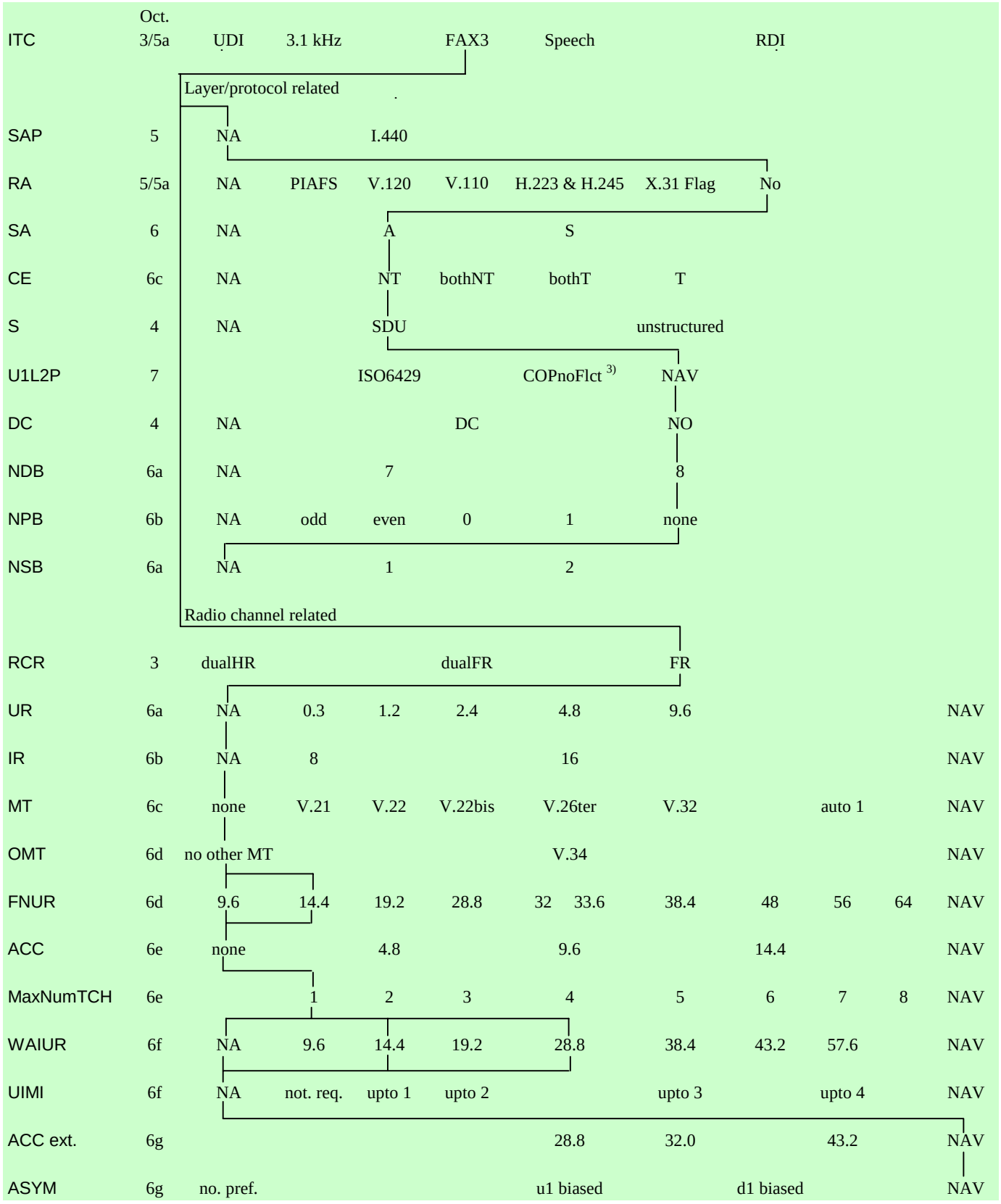
B.1.10.2 Teleservice 61, Facsimile group 3 in GSM

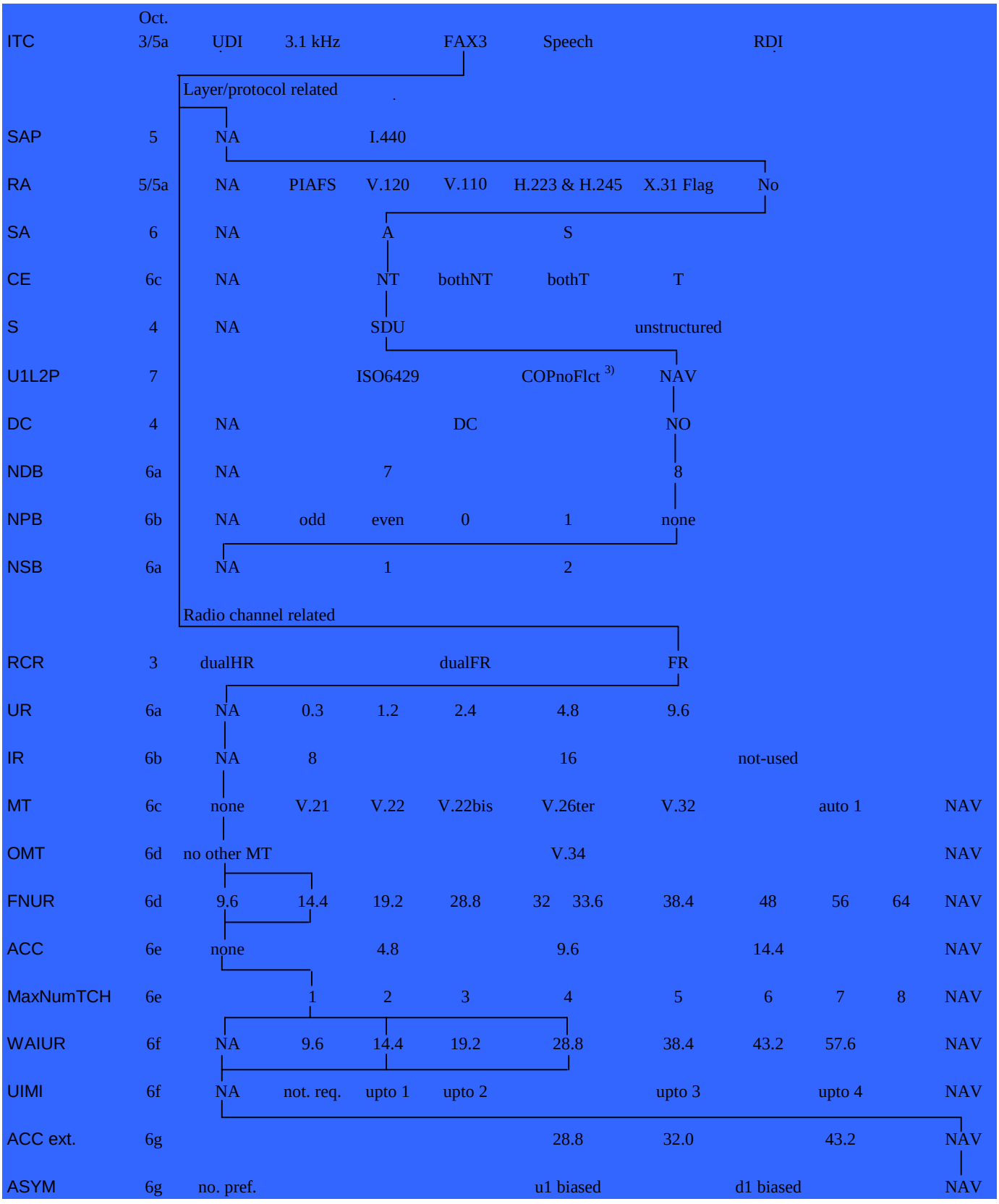




1) ACC may have several values simultaneously (bit map coding).

B.1.10.3 Teleservice 61, Facsimile group 3 in UMTS





End of second and last amended section

3GPP TSG CN WG3 Meeting 018
Dresden, Germany, 9th – 13th July 2001

Tdoc N3-010305

CR-Form-v3

CHANGE REQUEST

⌘ **27.001** **CR** **065** ⌘ **rev** **1** ⌘ **Current vers** **3.9.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☒ Radio Access Network ☐ Core Network ☒

Title:	⌘	Negotiation of Rate adaptation/Other rate adaptation
Source:	⌘	TSG_CN WG3
Work item code:	⌘	Correction (CS Bearers)
Date:	⌘	2001-07-09
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
- ***F*** *(essential correction)*
- ***A*** *(corresponds to a correction in an earlier release)*
- ***B*** *(Addition of feature),*
- ***C*** *(Functional modification of feature)*
- ***D*** *(Editorial modification)*

Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
REL-4	*(Release 4)*
REL-5	*(Release 5)*

Reason for change:	⌘	Table B.4f does not consider UDI with FNUR = 64 kbit/s. Note 22 for table 7B in 29.007 allows the setting of other parameters to values allowing “fallback service”. Therefore the terminal shall also have the choice to negotiate V.110, 64kbit/s to multimedia.
Summary of change:	⌘	A new note has been introduced. Note 6 of Table B.4f covers now FNUR = 64 kbit/s.
Consequences if not approved:	⌘	Terminating 64 kbit/s UDI calls indicating no rate adaptation, e.g. an ISDN BC with 4 octets only (see note 16 table 7A in TS 29.007) has been received, can’t be negotiated and must therefore be rejected.

Clauses affected:	⌘	Table B.4f
Other specs affected:	⌘	☐ Other core specifications ☐ Test specifications ☐ O&M Specifications
	⌘	
Other comments:	⌘	

******Start of Modified Section ******

Table B.4f: Negotiation of Rate adaptation/Other rate adaptation

Mobile Terminated Call:

	BC-parameter Rate adaptation/Other rate adaptation	
Bearer type	Message SETUP	Message CALL CONF
FTM[1)]	V.110, I.460 and X.30	X.31 flag stuffing
PIAFS[2)]	V.110, I.460 and X.30	PIAFS
Multimedia	V.110, I.460 and X.30[3)]	H.223 and H.245
	No rate adaptation[5)] [6)]	H.223 and H.245

1) This negotiation is possible, only if ITC=UDI or RDI, FNUR=64 or 56 kbit/s and CE=NT or "both" is signalled in the SETUP message. The MS shall signal FTM as specified in B.1.2.3.

2) This negotiation is possible, only if ITC=UDI, FNUR=32 kbit/s and CE= "both" is signalled in the SETUP message. The UE shall signal PIAFS as specified in B.1.2.4.

3) This negotiation is possible, only if ITC=UDI or RDI, FNUR=32 ,or 56 kbit/s, and CE=T or "both" is signalled in the SETUP message. The MS shall signal 3G-H.324/M as specified in B.1.3.1.3, B.1.3.1.4 and B.1.3.1.6.

5) ~~5)~~ This negotiation is possible, ~~only~~ if ITC=3,1 kHz, FNUR=28.8 kbit/s, MT=V.34 and CE=T or "both" is signalled in the SETUP message. The MS shall signal 3G-H.324/M as specified in B.1.3.2.3.

6) This negotiation is possible, if ITC=UDI or RDI, FNUR=64 or 56 kbit/s and CE=T is signalled in the SETUP message. The MS shall signal 3G-H.324/M as specified in B.1.3.1.3, B.1.3.1.4, and B.1.3.1.5

******End of Modified Section ******

3GPP TSG CN WG3 Meeting 018
Dresden, Germany, 9th – 13th July 2001

Tdoc N3-010306

CR-Form-v3

CHANGE REQUEST

⌘ **27.001** **CR** **066** ⌘ **rev** **1** ⌘ **Current vers** **4.4.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☒ Radio Access Network ☐ Core Network ☒

Title:	⌘	Negotiation of Rate adaptation/Other rate adaptation
Source:	⌘	TSG_CN WG3
Work item code:	⌘	Correction (CS Bearers)
Date:	⌘	2001-07-09
Category:	⌘	**A**
Release:	⌘	REL-4

Use one of the following categories:
F *(essential correction)*
A *(corresponds to a correction in an earlier release)*
B *(Addition of feature),*
C *(Functional modification of feature)*
D *(Editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
REL-4	*(Release 4)*
REL-5	*(Release 5)*

Reason for change:	⌘	Table B.4f does not consider UDI with FNUR = 64 kbit/s. Note 22 for table 7B in 29.007 allows the setting of other parameters to values allowing “fallback service”. Therefore the terminal shall also have the choice to negotiate V.110, 64kbit/s to multimedia.
Summary of change:	⌘	A new note has been introduced. Note 6 of Table B.4f covers now FNUR = 64 kbit/s.
Consequences if not approved:	⌘	Terminating 64 kbit/s UDI calls indicating no rate adaptation, e.g. an ISDN BC with 4 octets only (see note 16 table 7A in TS 29.007) has been received, can’t be negotiated and must therefore be rejected.

Clauses affected:	⌘	Table B.4f
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

******Start of Modified Section ******

Table B.4f: Negotiation of Rate adaptation/Other rate adaptation

Mobile Terminated Call:

	BC-parameter Rate adaptation/Other rate adaptation	
Bearer type	Message SETUP	Message CALL CONF
FTM[1)]	V.110, I.460 and X.30	X.31 flag stuffing
PIAFS[2)]	V.110, I.460 and X.30	PIAFS
Multimedia	V.110, I.460 and X.30[3)]	H.223 and H.245
	No rate adaptation[5)] [6)]	H.223 and H.245

1) This negotiation is possible, only if ITC=UDI or RDI, FNUR=64 or 56 kbit/s and CE=NT or "both" is signalled in the SETUP message. The MS shall signal FTM as specified in B.1.2.3.

2) This negotiation is possible, only if ITC=UDI, FNUR=32 kbit/s and CE= "both" is signalled in the SETUP message. The UE shall signal PIAFS as specified in B.1.2.4.

3) This negotiation is possible, only if ITC=UDI or RDI, FNUR=32 ,or 56 kbit/s and CE=T or "both" is signalled in the SETUP message. The MS shall signal 3G-H.324/M as specified in B.1.3.1.3, B.1.3.1.4 and B.1.3.1.6.

5) ~~5)~~ This negotiation is possible, ~~only~~ if ITC=3,1 kHz, FNUR=28.8 kbit/s, MT=V.34 and CE=T or "both" is signalled in the SETUP message. The MS shall signal 3G-H.324/M as specified in B.1.3.2.3.

6) This negotiation is possible, if ITC=UDI or RDI, FNUR=64 or 56 kbit/s and CE=T is signalled in the SETUP message. The MS shall signal 3G-H.324/M as specified in B.1.3.1.3, B.1.3.1.4, and B.1.3.1.5

******End of Modified Section ******

3GPP TSG-CN3 Meeting #18 ***Tdoc N3-010307***
Dresden, Germany, 2001-07-09 – 2001-07-13

CR-Form-v4

CHANGE REQUEST

⌘ **27.001** **CR** **063** ⌘ ev **1** ⌘ Current version: **4.4.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network ☐ Core Network **X**

Title:	⌘	Removal of erroneous information in B.1.3.1.6.
Source:	⌘	TSG_CN WG3
Work item code:	⌘	Correction (CS Bearers) ***Date:*** ⌘ 2001-07-09
Category:	⌘	**A** ***Release:*** ⌘ REL-4

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change:	⌘	B.1.3.1.6 (32k multimedia) 27.001 is not compliant with 22.002 and 29.007. TS 22.002 and TS 29.007 recognize UDI but not RDI for the 32k multimedia. IR attribute value ”not-used” not defined in TS 24.008.
Summary of change:	⌘	Removed ITC value RDI in B.1.3.1.6. Removed attribute value “not-used” for IR as this value is not defined in TS 24.008.
Consequences if not approved:	⌘	Confusing information remains in the specification.

Clauses affected:	⌘	B.1.3.1.6
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	New flowdiagram higlighted in GREEN colour. Deleted flowdiagram is highlighted in BLUE colour.

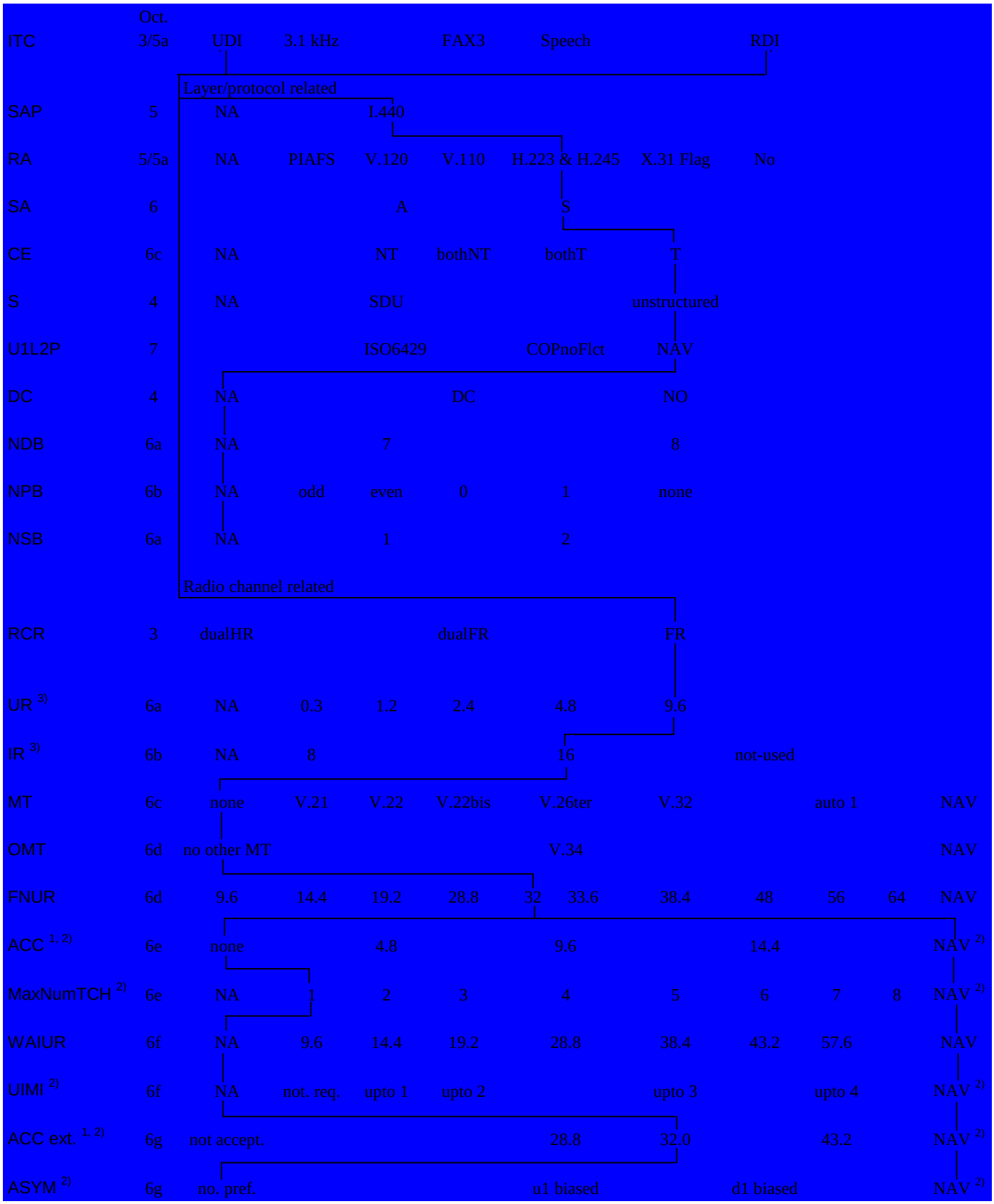
How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

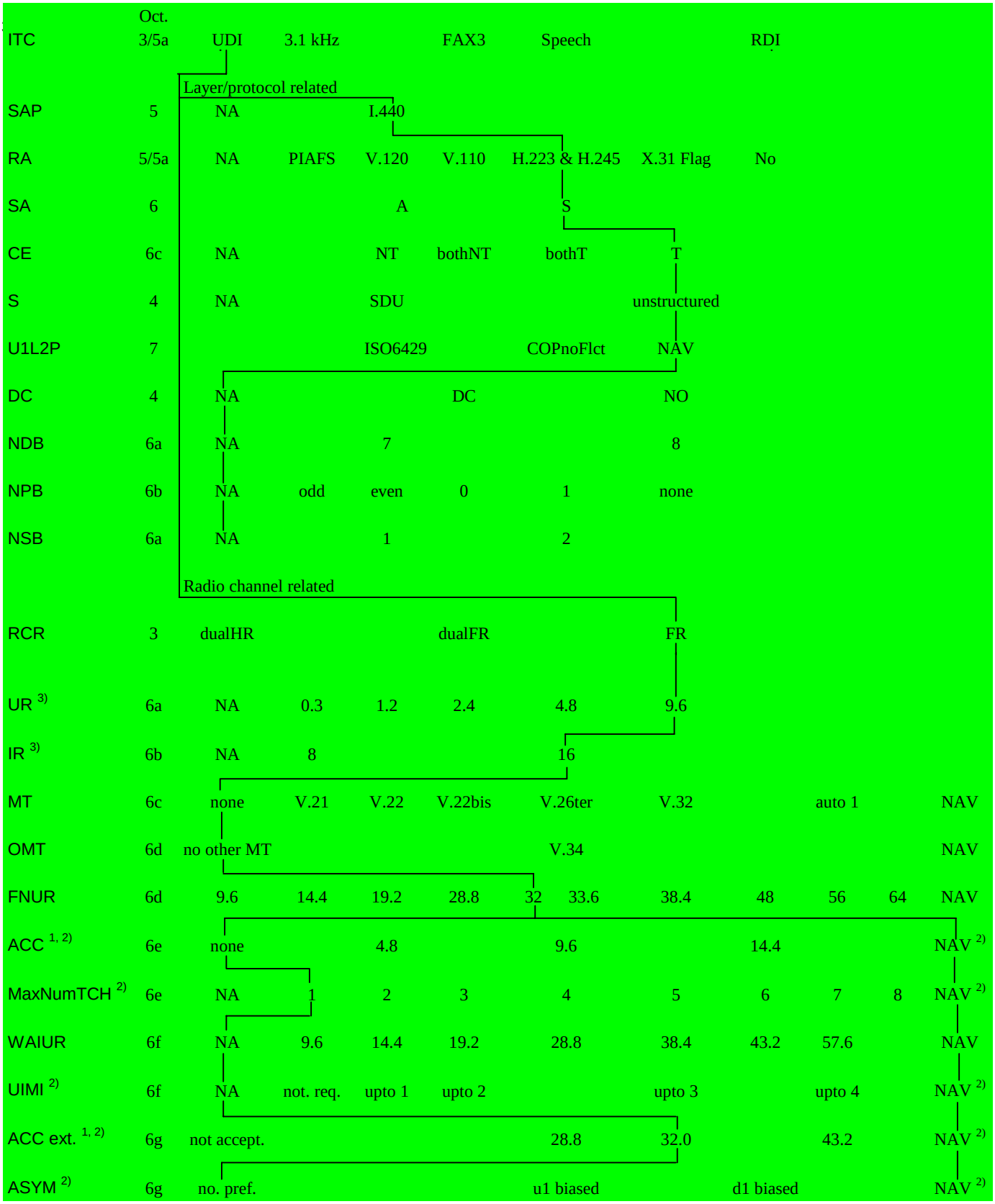
1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

B.1.3.1.6 3G-H.324/M, FNUR=32.0 kbit/s (TCH/F32.0, UTRAN)




Oct.
ITC 3/5a UDI 3.1 kHz FAX3 Speech RDI
Layer/protocol related
SAP 5 NA I.440
RA 5/5a NA PIAFS V.120 V.110 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NA NT bothNT bothT T
S 4 NA SDU unstructured
U1L2P 7 ISO6429 COPnoFlct NAV
DC 4 NA DC NO
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
UR 3) 6a NA 0.3 1.2 2.4 4.8 9.6
IR 3) 6b NA 8 16
MT 6c none V.21 V.22 V.22bis V.26ter V.32 auto 1 NAV
OMT 6d no other MT V.34 NAV
FNUR 6d 9.6 14.4 19.2 28.8 32 33.6 38.4 48 56 64 NAV
ACC 1, 2) 6e none 4.8 9.6 14.4 NAV 2)
MaxNumTCH 2) 6e NA 1 2 3 4 5 6 7 8 NAV 2)
WAIUR 6f NA 9.6 14.4 19.2 28.8 38.4 43.2 57.6 NAV
UIMI 2) 6f NA not. req. upto 1 upto 2 upto 3 upto 4 NAV 2)
ACC ext. 1, 2) 6g not accept. 28.8 32.0 43.2 NAV 2)
ASYM 2) 6g no. pref. u1 biased d1 biased NAV 2)

3GPP TSG-CN3 Meeting #18 ***Tdoc N3-010308***
Dresden, Germany, 2001-07-09 – 2001-07-13

CR-Form-v4

CHANGE REQUEST

⌘ **27.001** **CR** **067** ⌘ ev **-** ⌘ Current version: **3.9.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network ☐ Core Network **X**

Title:	⌘	Removal of erroneous information in B.1.3.1.6.
Source:	⌘	TSG_CN WG3
Work item code:	⌘	Correction (CS Bearers) ***Date:*** ⌘ 2001-07-09
Category:	⌘	**F** ***Release:*** ⌘ R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
REL-4	*(Release 4)*
REL-5	*(Release 5)*

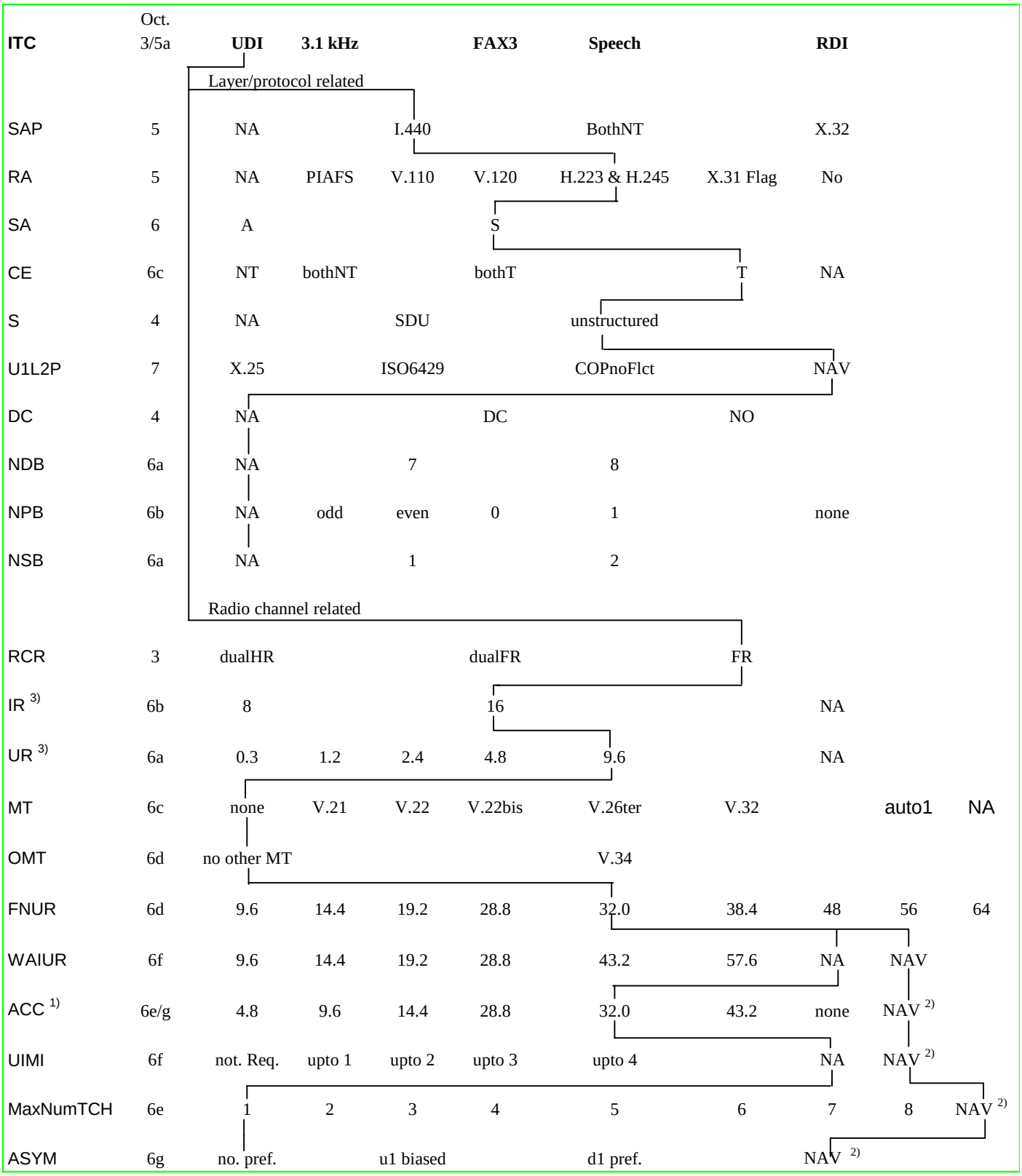
Reason for change:	⌘	B.1.3.1.6 (32k multimedia) 27.001 is not compliant with 22.002 and 29.007. TS 22.002 and TS 29.007 recognize UDI but not RDI for the 32k multimedia.
Summary of change:	⌘	Removed ITC value RDI in B.1.3.1.6. Removed attribute value “not-used” for IR as this value is not defined in TS 24.008.
Consequences if not approved:	⌘	Confusing information remains in the specification.

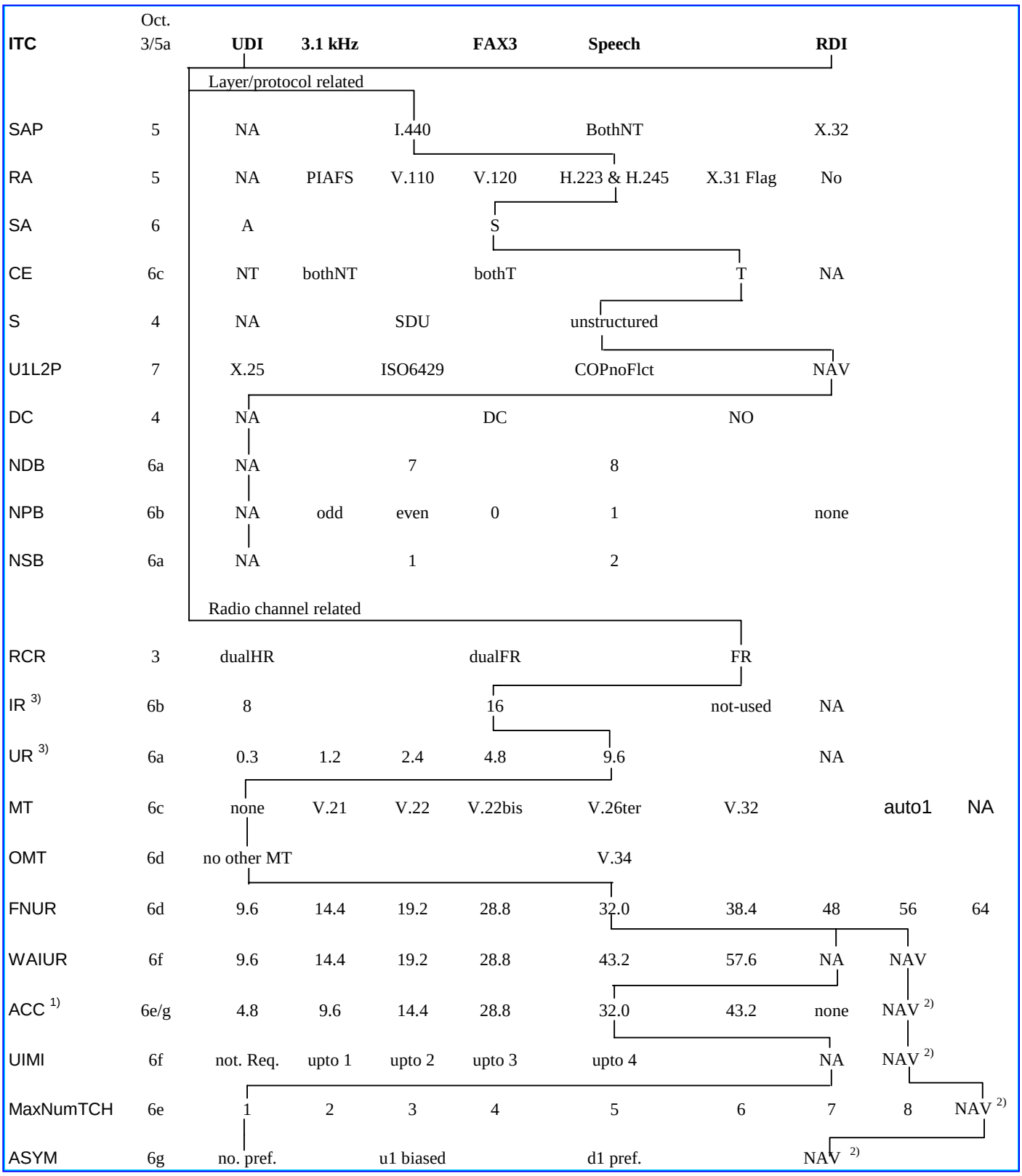
Clauses affected:	⌘	B.1.3.1.6
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	New flowdiagram framed with GREEN colour. Deleted flowdiagram is framed with BLUE colour.

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

B.1.3.1.6 3G-H.324/M, FNUR=32.0 kbit/s (TCH/F32.0, UTRAN)




ITC
Oct. 3/5a
UDI
3.1 kHz
FAX3
Speech
RDI
Layer/protocol related
SAP 5 NA I.440 BothNT X.32
RA 5 NA PIAFS V.110 V.120 H.223 & H.245 X.31 Flag No
SA 6 A S
CE 6c NT bothNT bothT T NA
S 4 NA SDU unstructured
U1L2P 7 X.25 ISO6429 COPnoFlct NAV
DC 4 NA DC NO
NDB 6a NA 7 8
NPB 6b NA odd even 0 1 none
NSB 6a NA 1 2
Radio channel related
RCR 3 dualHR dualFR FR
IR 3) 6b 8 16 not-used NA
UR 3) 6a 0.3 1.2 2.4 4.8 9.6 NA
MT 6c none V.21 V.22 V.22bis V.26ter V.32 auto1 NA
OMT 6d no other MT V.34
FNUR 6d 9.6 14.4 19.2 28.8 32.0 38.4 48 56 64
WAIUR 6f 9.6 14.4 19.2 28.8 43.2 57.6 NA NAV
ACC 1) 6e/g 4.8 9.6 14.4 28.8 32.0 43.2 none NAV 2)
UIMI 6f not. Req. upto 1 upto 2 upto 3 upto 4 NA NAV 2)
MaxNumTCH 6e 1 2 3 4 5 6 7 8 NAV 2)
ASYM 6g no. pref. u1 biased d1 pref. NAV 2)