

Protocol Specification	Year	Version																				
		2001				2002				2003				2004				2005				
		Month	3	6	9	12	3	6	9	12	3	6	9	12	1/3	6	9	12	1/3	6	9	12
RANAP TS25.413	R99	350	360	370	380	390	3A0	3B0	3C0	3D0	3E0	3E0	3E0	3E0	3E0							
	R4				430	440	450	460	470	480	490	4A0	4B0	4C0	4C0	4C0						
	R5					500			530	540	550	560	570	580	590	5A0						
	R6												600	610	620	630		641				
Suppl. Services TS24.080	R99	341	350	350	360	360	370	371	371	371	371	371	371	371	371	371						
	R4			410	420	420	430					431	431	431	431	431	440					
	R5								530			540	540	540	540	540	550					
	R6												600	610	610	610	620					
CC/MM/SM/GMM TS24.008	R99	370	380	390	3A0	3B0	3C0	3D0	3E0	3F0	3G0	3H0	3.18.0	3.19.0	3J0							
	R4				450	460	470	480	490	4A0	4B0	4C0	4D0	4E0	4E0	4E0						
	R5								560	570	580	590	5A0	5B0	5C0	5C0						
	R6											620	630	641	650	660		670				
Iu UP TS25.415	R99	360	370	380	390	3A0																
	R4				430	440	450	460	470							470						
	R5								530							540						
	R6												600					601				
SMS TS24.011 / TS23.040	R99	310	310	310	320	320																
	R4				410	411	470	480								490						
	R5								510	520	561					581						
	R6											600	602	630	640		650					
SABP TS25.419	R99	340	350	360	370	380	390	3A0														
	R4				430	440	451	460		470	480	490	4A0			4A0						
	R5								520	530	540	550	560	570	570	570						
	R6												600	610	610	610	620					

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		Month	3	6	9	12	3	6	9	12	3	6	9	12	1/3	6	9	12	1/3	6	9	12
NBAP TS25.433	R99	350	360	370	380	390	3A0	3B0	3C0	3D0	3E0					3E2						
	R4				430	440	450	460	470	480	490	4A0	4B0	4D0		4D0						
	R5								530	540	550	560	570	580	590	5A0	5.11.0					
	R6												600	610	620	630	640					
RNSAP TS25.423	R99	350	360	370	380	390	3A0	3B0	3C0	3D0					3E2							
	R4				430	440	450	460	470	480	490			4C0	4C1							
	R5										540	550	560	590	5A0	5B0	5.12.0					
	R6												600	610	620	630		641				
RRC TS25.331	R99	360	370	380	390	3A0	3B0	3C0	3D0	3E0	3F0	3G0	3H0			3.20.0	3.21.0					
	R4				430	440	450	470	480	490	4A0	4B0	4C0	4D0	4E0	4F0	4.16.0					
	R5								530	540	550	560	571	580	590	590	5.11.0					
	R6												601	610	620	630	640					
RLC TS25.322	R99	360	370	380	390	3A0				3E0		3G0	3H0	3.17.0								
	R4				430	440	450	460	470	480	490	4A0	4B0	4B0	4C0	4C0						
	R5								530	540	550	560	570	570	570	580	590					
	R6												600		610	610						
MAC TS25.321	R99	370	380	390	3A0	3B0				3F0		3G0		3.16.0								
	R4				430	440	450	460	470	480		490	490	490		4A0						
	R5								530	540		560	570	580		590	5A0					
	R6												600	610	620	620						
UP FP DCH / lub TS25.427 / TS25.435	R99	360	370	380	390	390				3A0		3A0	3B0	3B0	3B0	3B0	3B0					
	R4				430	430	440	450		450		450	460	450	450	450	450					
	R5								530	510		550	560	530	530	530						
	R6												600	600	600	600						

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		Month	3	6	9	12	3	6	9	12	3	6	9	12	1/3	6	9	12	1/3	6	9	12
PDCP TS25.323	R99	340	350	360	370	380	390	3A0	3A0	3A0	3A0	3A0	3A0	3A0	3A0	3A0						
	R4					440	450	460	460	460	460	460	460	460	460	460						
	R5							520													5B0	
	R6												600								600	
BMC TS25.324	R99	340	340	340	340	340																
	R4					400																
	R5																					
MAP TS29.002	R99	380	390	3A0	3B0	3C0	3D0	3E0	3F0	3G0	3H0	3.18.0		3.19.0	3.20.0							
	R4				460	470	480	490	4A0	4B0	4C0	4C0		4.14.0	4.15.0							
	R5								540	550	562	570	580	590	5.10.0							
	R6											630	640			660	670	680				
BSSAP+ TS29.018	R99	340	350	360					3B0													
	R4				420	430	440	440	440	440	450											
	R5									530	540	550										
	R6												600	600	600	610						
GTP TS29.060	R99		390	3A0	3B0	3C0	3D0	3E0	3F0	3G0	3H0	3.18.0		3.19.0								
	R4		410	420	430	440	450	460		480	490	4A0	4.11.0									
	R5								540		560	570	580	590	5A0	5B0	5.12.0					
	R6											620	630	640	650	660	670					
CAP TS29.078	R99	370	380	390	3A0	3B0	3C0	3D0	3E0	3F0												
	R4				430	440	450	460	470	480												
	R5								520	530	540	550	561	570	580	590						
PCAP TS25.453	R5								540	550	560	570	580	590								
	R6									600		620	630	640	650	660	670					
MEGACO (H.248) ASCII FORMAT		H.248 Gateway Protocol (06/2000) ASCII, 05/2002																				

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	Year	2001				2002				2003				2004				2005			
	Month	3	6	9	12	3	6	9	12	3	6	9	12	1/3	6	9	12	1/3	6	9	12
TS29.229, TS29.329 (RFC3588)															610		630				
UMTS DMTAP RR ETSI TS44.018																					
BGP-4	Border Gateway Protocol (RFC1771)																				
COPS	RFC2748, RFC3084, TS29.207																				
DNS	RFC1035																				
GRE	Generic Routing Encapsulation, RFC1701, RFC1702																				
HDLC_rfc_1662	HDLC RFC 1662																				
ICMP	RFC792, RFC1256, RFC2002, RFC3012, RFC3024, RFC2461, RFC2463																				
IPv6	ICMPv6 : RFC2463 (+RFC2461) IP v4/v6 : RFC791/2460																				
M2PA	Draft12																				
M2UA	RFC3331																				
M3UA	2002.FEB, RFC3332(SEP,2002)																				
MIP	Mobile IP, RFC2002, RFC2794, RFC3024																				
UDP, RFC768																					
RADIUS	RFC3575																				
RTP, RTCP (RFC1889)	RFC1889, RFC3550																				
SUA	Draft 16 (2003.11) / RFC3868 (2004)																				
SCTP, RFC2960	OCT,2000, RFC3758, RFC2960, RFC3309																				
SNMP	RFC1905, RFC3418																				
IUA,																					
OSPF, RFC2328	OSPF_Version_2																				
SIP, RFC2543,3261																					
BICC, Q.1901, Q.1902	BICC Q.1902.3 CS2 07/2001 BICC Application Transport Mechanism Q.765.5 06/2000 Amd.1 07/2001																				
AAL2L3 / Q.2630	CS2 ITU-T Q.2630.2																				
CDMA A1 (A.S0014 - A vX.0)	4.0	4.1	4.2	4.3																	

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	Month	3	6	9	12	3	6	9	12	3	6	9	12	1/3	6	9	12	1/3	6	9	12
CDMA A3/A7 3GPP2	A.S0017-A V2.0.1(IOS v4.3)																				
CDMA A8/A9 3GPP2	A.S0016-A v2.0.1 (IOS v4.3)																				
CDMA A11 3GPP2	A.S0017-A v2.0.1 (IOS v4.3)																				

System Software Version : <sup>02.10</sup> V2.40 <sup>03.02</sup> 0 <sup>03.07</sup> V2.51 <sup>04.01</sup> 1 <sup>04.05</sup> V3.00 <sup>04.08</sup> V3.10 <sup>04.10</sup> V3.20 <sup>05.03</sup> V4.00 <sup>05.07</sup> V4.10

3G0 3.16.0, 3H0 3.17.0

Red : Beta Software

Last Update : 2005-03-15