

Protocol Specification	Year	Version																										
		2001				2002				2003				2004				2005				2006						
		Month	3	6	9	12	3	6	9	12	3	6	9	12	1/3	6	9	12	3	6	9	12	3	6	9	12		
RANAP TS25.413	R99	350	360	370	380	390	3A0	3B0	3C0	3D0	3E0	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		5B0	5C0	5C0	5C0	5C0	5C0					
	R6												600	610	620	630	641	650	660	670	680	690	610.0					
	R7																							7.2.0				
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	550	550	550	550	550						
	R6											600	610	610	610	620	630	630	630	630	630	630						
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	5D0	5E0	5F0	5F0	5F0	5F0	5F0	51.6.0				
	R6											620	630	641	650	660	670	680	690	6A0	6B0	6C0	6C0	61.7.0				
	R7																								7.4.0			
DMTAP RR TS04.18																										8.2.7.0		
DMTAP RR TS44.018																										4.2.3.0		
																											5.2.2.0	
lu UP TS25.415	R99	360	370	380	390	3A0																						
	R4				430	440	450	460	470							470												
	R5								530							540		550								550		
	R6											600					601	620								620	630	
	R7																									710		
SMS TS24.011 / TS23.040	R99	310	350	360	370	380																						
	R4				450	460	470	480								490												
	R5								551	560	561					581											581	
	R6											602	630	640		650										660	670	
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											570	
	R6												600	610	610	610	620										620	
	R7																										7.0.0	

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		2001				2002				2003				2004				2005				2006				
		Month	3	6	9	12	3	6	9	12	3	6	9	12	1/3	6	9	12	3	6	9	12	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	5.12.0	5.13.0					5.13.0	5.15.0	
	R6												600	610	620	630	640	650	660	670	680	690	6.10.0			
	R7																						710			
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	5.13.0	5.14.0	5.15.0	5.16.0	5.17.0				
	R6												600	610	620	630	641	650	660	670	680	690	6.10.0			
	R7																						710			
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	4.17.0								
	R5								530	540	550	560	571	580	590	590	5.11.0	5.12.0	5.13.0	5.14.0	5.15.0	5.16.0	5.17.0			
	R6												601	610	620	630	640	650	660	670	680	690	6.10.0			
	R7																						710			
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	5.10.0			5.12.0	5.13.0				
	R6												600		610	610	620	630	640	650	660	670	680	680		
	R7																							710		
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	5.10.0				5.12.0				
	R6												600	610	620	620	630	640	650	660	670	680	690			
	R7																							710		
UP FP DCH / IUB TS25.427 / TS25.435	R99	360	370	380	390	390				3A0		3A0	3B0	3B0	3B0	3B0										
	R4				430	430	440	450		450		450	460	450	450	450										
	R5								530	510		550	560	530	530	530		540					550			
	R6									540		520	530	570	570	570						650	660	670		
	R7											600	600	600	600							630	630	630	710	710

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		2001				2002				2003				2004				2005				2006				
		Month	3	6	9	12	3	6	9	12	3	6	9	12	1/3	6	9	12	3	6	9	12	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		530			550	560	570			
	R6												600			600		610	620	630	640	650	660			
	R7																						710			
BMC TS25.324	R99	340	340	340	340	340																				
	R4					400											450									
	R5																						650			
	R6																						660			
	R7																						710			
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				4.16.0				4.17.0			
	R5								540	550	562	570	580	590	5.10.0							5.11.0	5.12.0			
	R6											630	640		660	670	680	690	6.10.0	6.11.0	6.12.0	6.13.0	6.14.0			
BSSAP+ TS29.018	R99	340	350	360					3B0																	
	R4				420	430	440	440	440	440	450															
	R5									530	540	550												550		
	R6												600	600	600	610		620						640		
	R7																							720		
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	5.13.0					5.14.0			
	R6											620	630	640	650	660	670	680					6.12.0	6.13.0		
	R7																							720		
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								590		
PCAP TS25.453 TS25.453	R5								540	550	560	570	580	590					5.11.0						5.11.0	
	R6								600		620	630	640	610	620	630	640							6.10.0	6.10.0	
	R7																								730	

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		2001				2002				2003				2004				2005				2006				
		Month	3	6	9	12	3	6	9	12	3	6	9	12	1/3	6	9	12	3	6	9	12	3	6	9	12
MEGACO (H.248) ASCII FORMAT	H.248 Gateway Protocol (06/2000) ASCII, 05/2002																									
TS29.229, TS29.329 (RFC3588)															610		630									
UMTS DMTAP RR ETSI TS44.018																										
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																									
BGP-4	Border Gateway Protocol (RFC1771)																									
COPS	RFC2748, RFC3084, TS29.207																									
DNS	RFC1035																									
GCP_CN2	Gateway Control Protocol																									
GRE	Generic Routig Encapsulation, RFC1701, RFC1702																									
H.245	Open Logical Channel (11/2000)																									
HDLC_rfc_1662	HDLC_RFC_1662																									
HTTP	RFC2616																									
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) / Draft (Apr 2004)																									
MIP	Mobile IP, RFC2002, RFC2794, RFC3024																									
OSPF, RFC2328	OSPF_Version_2																									
RADIUS	RFC3575																									
RTP, RTCP (RFC1889)	RFC1889,RF3550																									
SCTP, RFC2960	OCT,2000, RFC3758, RFC2960, RFC3309																									
SDP	RFC2327, RFC3266, RFC3108																									
SNMP	RFC1905, RFC3418																									
IUA,																										
SIP, RFC2543,3261 (TS24.229)	RFC3263 (Locating SIP Servers), RFC3325, RFC3326, RFC3327, RFC3428, RFC3455, RFC3608, RFC3903, RFC3398																									
SUA	Draft 16 (2003.11) / RFC3868 (2004)																									
UDP, RFC768																										
AAL2L3 / Q.2630	CS2 ITU-T Q.2630.2																									

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	Year	2001				2002				2003				2004				2005				2006			
	Month	3	6	9	12	3	6	9	12	3	6	9	12	1/3	6	9	12	3	6	9	12	3	6	9	12
WIN	WIN Phase 3, 3GPP2 X.S0009-0 v1.0, 2004/07 X.S0010-A v1.0 for WIN Ph. I (IS-826-a) / PrePaid and SMS IS-771 (CNAP/CNAR) IS-751 (IMSI)																								
CDMA A1 (A.S0014-A vX.0)	4.0 4.1 4.2 4.3																								
CDMA A3/A7 3GPP2	A.S0017-A V2.0.1 (IOS v4.3), V5.0.1																								
CDMA A8/A9 3GPP2	A.S0016-A v2.0.1 (IOS v4.3), V5.0.1																								
CDMA A11 3GPP2	A.S0017-A v2.0.1 (IOS v4.3), V5.0.1																								

Year/Month 02.10 03.03 03.07 04.01 04.05 04.08 04.10 05.03 05.05 05.05 ~ 06.11 06.12
 System Software Version : V2.40 V250 V2.51 V261 V3.00 V3.10 V3.20 V4.0.0|V4.1.0|V4.2.0 ~ V6.10 V6.20

위 버전은 모니터링기준입니다. 시뮬레이션/에뮬레이션에 대한 여부 및 버전은 별도로 확인이 필요합니다.
 상기버전 중에서 3G0는 3.16.0, 3H0는 3.17.0을 의미합니다.