

## General Protocols for Signaling Advisor Release 5.1

Category	Protocol Title	Specification(s)	Version
<b>3GPP</b>			
	GPRS 3GPP V3 GTP	3GPP TS 29.060 GTP	4.1.0
	3GPP V3 NS	3GPP TS 48.016 & ITU-T Q.922 Q.933A	4.1.1
	3GPP V3 NS over IP	3GPP TS 48.016 & IETF RFC 791,RFC 768	4.1.1
	GPRS 3GPP V3 BSSGP	3GPP TS 48.018	4.3.0
	GPRS 3GPP V3 GMM_SM	3GPP TS 24.008	4.3.0
	GPRS 3GPP V3 SMDCP	3GPP TS 44.065 SMDCP	4.0.0
	GPRS 3GPP V3 TOM	3GPP TS 44.064 LLC	4.0.0
	3GPP Abis	3GPP TS 48.058	Release 3
	3GPP V3 DTAP over Abis	3GPP TS24.008(V4.2.0) & TS44.018(V4.4.0)	Release 3
	3GPP V3 SMS over Abis	3GPP TS24.011(V4.0.0)	Release 4
	3GPP V3 SS over Abis	3GPP TS24.080(V4.0.0)	Release 4
	3GPP V3 BCC	3GPP TS44.069	V3.1.1
	3GPP V3 BSSAP	3GPP TS24.007	V4.0.0
	3GPP V3 BSSMAP	3GPP TS48.008(V4.4.0)	Release 3
	3GPP V3 DTAP	3GPP TS24.008(V4.2.0) & TS44.018(V4.4.0)	Release 4
	3GPP V3 GCC	3GPP TS44.068	V3.1.1
	3GPP V3 MAP	3GPP TS 29.002	V3
	3GPP V3 PDS	3GPP TS 44.063	3.0.0
	3GPP V3 SMS	3GPP TS24.011	V3.0.0
	3GPP V3 SS	3GPP TS24.080(V4.0.0)	Release 4
	3GPP v4.0.0 CAP	3GPP TS 29.078 CAMEL	4.0.0, 2001
<b>3GPP2</b>			
	3G-IOS v4.2 (A.S0014-0 V2.0)	3GPP2.A.S0014-0 V2.0	Jun-01
<b>ANSI</b>			
	GPRS SMG31 ANSI Frame Relay	ANSI T1.617 & T1.618	1991
	ANSI 1992 ISUP	T1.113	1992
	ANSI 1992 MTN	T1.111	1992
	ANSI 1992 MTP2	T1.111	1992
	ANSI 1992 SCCP	T1.111	1992
	ANSI 1992 SCMG	T1.112	1992
	ANSI 1992 SNM	T1.111	1992
	ANSI 1992 TCAP	T1.114	1992
<b>AT&amp;T</b>			
	TIA-EIA IS634-IOS		Version 1.0.1 Feb. 1996
<b>Bellcore</b>			
	BELL_ISDN_PRI	TA-NWT-001268	Issue 1, March 1991
	Bellcore 1987 800	TR-TSY-000533	Issue 2 July 1987
	Bellcore 1989 PVN	TR-TSY-000402	Issue2, 1989
	Bellcore 1992 LIDB	TR-NWT-000954	Issue 2, November 1992
	Bellcore 1992 MTN	TR-NWT-000246	Issue 2, Revision 2, 1992
	Bellcore 1992 SCMG	TR-NWT-000246	Revision 2, December 1992
	Bellcore 1993 CLASS	TR-NWT-000215,220,227,1188	Issue 1, June 1993
	Bellcore 1994 MTP3	TR-NWT-000246	
	Bellcore 1995 AIN	GR-1299-CORE (AIN 0.2)	Issue 2, Revision 3, December 1995
	Bellcore 1997 ISUP	GR-246-CORE	Issue 2, Dec 1997
	Bellcore 1997 SCCP	GR-246-CORE	Issue 2, 1997
	Bellcore 1997 SNM	GR-246-CORE	Issue 2, 1997
	Bellcore 1997 TCAP	GR-246-CORE	Issue 2, 1997

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<b>CCITT</b>			
	CCITT Blue Book ISDN Layer 2 Man	Q.921	1988
	CCITT Blue book ISDN-L3	Q.931 / Q.932	Blue, November 1988
	CCITT Blue book ISDN-L2	Q.921	1988
	CCITT Red book ISDN-L2	Q.921	1988
	CCITT 1991 I-ISUP	Q.767	1991
	CCITT Blue book ISUP	Q.763	1988
	CCITT Blue book MTN	Q.707	Blue, 1988
	CCITT Blue book MTP2	Q.703	1988
	CCITT Blue book MTP3	Q.704	1988
	CCITT Blue book SCCP	Q.713	1988
	CCITT Blue book SCMG	Q.713	1988
	CCITT Blue book SNM	Q.703	1988
	CCITT Blue book TCAP	Q.773	1988
	CCITT Blue book TUP	Q.721 - Q.725	1988
<b>CDG</b>			
	CDG IOS	CDG IOS	V2.4.0 - March 2000
<b>COLOMBIAN</b>			
	COLOMBIAN ISUP		
<b>CTC</b>			
	Chile 1991 ISUP	CTC Integrated Services Digital Network, SS7, ISUP	12th July 1991
<b>China</b>			
	China 1990 MTP2	Q.713	1990
	China 1990 MTP3 (International)	GF 001-9001	1994
	China 1990 MTP3 (National)	GF 001-9001	1994
	China 1990 SNM (National)	GF001-9001	1990,8
	China 1990 TUP (National)	GF001-9001	1990,8
	China 1994 SCCP (International)	Q.713	1994,10
	China 1994 SCCP (National)	Q.713	1994,10
	China 1994 SCMG (International)	Q.714	1994,10
	China 1994 SCMG (National)	Q.714	1994,10
	China 1996 ISUP (National)	Q.763	9/18/2000
	China 1997 INAP (National)	INAP of China	1997,12
	China IS634-A (National)	YD/T 1026	98
	China 1990 SNM High Speed (National)	GF001-9001	1990,8
<b>ECMA</b>			
	ECMA QSIG 1997	ECMA 143, 164, 165, 174, 178, 192, 242	1997
<b>EIA</b>			
	TIA-EIA IS41+IS771+IS826 Superset	TIA-EIA IS41 SUPER	SUPER
	TIA-EIA IS41+IS771+IS826 Superset	TIA-EIA IS41 SUPER - 14 bit PC's	SUPER
	TIA-EIA IS634-B	ANSI/TIA/EIA-IS634-B-99	99

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<b>ETSI</b>			
	GPRS SMG31 GTP	ETSI GSM 09.60 GTP	7.3.0
	GPRS 3GPP LLC	3GPP TS 44.064 LLC	4.0.0
	GPRS SMG31 BSSGP	ETSI GSM 08.18 BSSGP	7.3.1
	GPRS SMG31 GMM_SM	ETSI GSM 04.08	7.7.0
	GPRS SMG31 LLC	ETSI GSM 04.64 LLC	7.3.0
	GPRS SMG31 NS	ETSI GSM08.16 & ITU-T Q.922 Q.933A	7.1.0
	GPRS SMG31 NS_T1	ETSI GSM08.16 & ANSI T1.618	7.1.0
	GPRS SMG31 SMS	ETSI GSM 04.11 SMS Phase 2	7.4.0
	GPRS SMG31 SMDCP	ETSI GSM 04.65 SMDCP	7.2.0
	ETSI ISDN-L3	ETS 300 102-1	Dec-90
	GSM Phase2+ Abis	ETSI GSM 08.58 Abis	7.0.0
	GSM Phase2+ DTAP over Abis	ETSI GSM 04.08 DTAP Phase 2	7.1.2
	GSM Phase2+ SMS over Abis	ETSI GSM 04.11 SMS Phase 2	7.1.0
	GSM Phase2+ SS over Abis	ETSI GSM 04.80 SS Phase 2	7.0.0
	ETSI 1993 ISUP	ETS 300 356-1	1993
	ETSI 1994 INAP	ETS 300 374-1	Sep-94
	ETSI V5 ISUP	ETSI EN 300 356-1	V4.1.1 (2000-09)
	GPRS SMG31 BSSAP+	ETSI GSM 09.18 BSSAP+	7.2.0
	GSM LCS BSSAP-LE	3GPP TS 09.31	Version 8.3.0 Release 1999
	GSM LCS BSSLAP	GSM 08.71	Version 7.2.0 release 1998
	GSM Phase2+ BCC	ETSI GSM 04.69 BCC Phase 2	6.0.0
	GSM Phase2+ BSSAP	ETSI GSM 04.07 BSSAP Phase 2	7.1.0
	GSM Phase2+ BSSMAP	ETSI GSM 08.08 BSSMAP Phase 2	7.1.0
	GSM Phase2+ CAP	ETSI GSM 09.78 CAMEL Phase 2+	7.0.0, 1998
	GSM Phase2+ DTAP	ETSI GSM 04.08 DTAP Phase 2	7.1.2
	GSM Phase2+ GCC	ETSI GSM 04.68 GCC Phase 2	6.0.0
	GSM Phase2+ MAP	ETSI GSM 09.02 MAP Phase 2	7.3.0, 1998
	GSM Phase2+ PDS	ETSI GSM 04.63 PDS Phase 2+	6.0.0
	GSM Phase2+ SMS	ETSI GSM 04.11 SMS Phase 2	7.1.0
	GSM Phase2+ SS	ETSI GSM 04.80 SS Phase 2	7.0.0
	Etsi_cs2_downlink_ri_c_mac	GSM 04.60 Release 1999	V8.10.0
	Etsi_cs2_uplink_ri_c_mac	GSM 04.60 Release 1999	V8.10.0
	Etsi_downlink_ri_c_mac	GSM 04.60 Release 1999	V8.10.0
	Etsi_uplink_ri_c_mac	GSM 04.60 Release 1999	V8.10.0
	GSM Phase2+ FR TRAU	ETSI GSM 08.60 TRAU Phase 2+	7.2.1
	GSM Phase2 HR8 TRAU	ETSI GSM 08.61 TRAU Phase 2	4.0.2
	ETSI 1994 V5.1	ETS 300 324-1	February 1994
	ETSI 1994 V5.2	ETS 300 347-1	Sep-94
	ETSI 1994 LAPV5	ETS 300 324-1	Feb-94

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Category	Protocol Title	Specification(s)	Version
<b>FTZ</b>			
	FTZ 1993 INAP	163 TR 78	Apr-93
	FTZ 1993 MTP	163 TR 72	Apr-93
	FTZ 1993 SCCP	163 TR 73	Apr-93
	FTZ 1993 T-ISUP	163 TR 75	1993
	FTZ 1993 TCAP	163 TR 74	Apr-93
	FTZ 1994 ISUP	163 TR 76	1994
	FTZ TF	163 TR 75	1993
<b>France</b>			
	France 1995 TUP	DE/PAA/CER/SCS/1515	1995
<b>GFI</b>			
	GFI V5.1 (Finnish)	GFI 9404	Oct-94
	GFI V5.2 (Finnish)	GFI 9404	Oct-94
<b>IEEE</b>			
	IEEE 802.3 2000	IEEE 802.3 2000	2000
<b>IETF</b>			
	GPRS SMG31 IP	RFC 791	RFC 791
	GPRS SMG31 IP over Frame Relay	RFC 791	RFC 791
	GPRS SMG31 IP over PPP	RFC 791	RFC 791
	GPRS SMG31 PPP	RFC PPP	RFC 1661
<b>ITU</b>			
	ITU White book ISDN-L3	Q.931 / Q.932 / Q.957	Mar-93
	ITU 1997 ISUP	Q.763	1997
	ITU 2000 ISUP	Q.763	2000
	ITU White book ISUP	Q.763	1993
	ITU White book MTN	Q.707	1993
	ITU White book MTP2	Q.703	1993
	ITU White book MTP3	Q.704	1993
	ITU White book SCCP	Q.713	1993
	ITU White book SCMG	Q.713	1993
	ITU White book SNM	Q.704	1993
	ITU White book SNM High Speed	Q.704	1993
	ITU White book TCAP	Q.773	1993
	ITU 1996 MTP2 High Speed	Q.703 - Annex A	1996
	ITU 1996 X.25	Recommendation X.25	Oct-96
	ITU 1996 X.75	Recommendation X.75	Oct-96
	ITU 1996 LAPB Extended (Modulo 12)	Recommendation X.25	Oct-96
	ITU 1996 LAPB Super (Modulo 32768)	Recommendation X.25	Oct-96
	ITU 1996 LAPB Basic (Modulo 8)	Recommendation X.25	Oct-96
	GPRS SMG31 Frame Relay	ITU-T Q.933 & Q922	October, 1995

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Category	Protocol Title	Specification(s)	Version
<b>KOREA</b>			
	Korea ANSI MAP	MAP SIGNALING SPECIFICATION BETWEEN MSC/VLR-HLR/AC 1 Febuary 1995	1 Febuary 1995
	Korea CCITT MAP	MAP SIGNALING SPECIFICATION BETWEEN MSC/VLR-HLR/AC 1 Febuary 1995	1 Febuary 1995
	Korea IS41C	TIA-EIA IS41.5	C, Feb 1996
<b>MEXICO</b>			
	MEXICAN ISUP	NOM-112-SCTI-1995	1995
<b>OTE</b>			
	OTE 1998 INAP	OTE INAP CS1	Sep-98
<b>PNO-ISC</b>			
	PNO 1998 ISUP	Spec. 007	1998
	PNO 1998 ISUP (Enveloped)	Spec. 007	1998
	PNO-ISC 1994 IUP	PNO-ISC/SPEC/006 Section 2	Draft 2, Issue 1, July 1994
<b>PNO/BTNR</b>			
	PNO 1999 IUP (Combined)	PNO-ISC/SPEC/006 Section 2 & BTNR 5167 Draft 4	BTNR 5167 Draft 4 August 93 + PNO-ISC Spec. 006 '99
<b>PTT</b>			
	PTT V5.1 (Swiss)	PTT 840.73-6 Edition 2	Jun-95
<b>SPIROU</b>			
	SPIROU 1998 ISUP	SPIROU1998- 005	Edition 1.0
<b>TELEBRAS</b>			
	Telebras 1987 TUP	210-110-724	1987
	Telebras 1994 SCCP	220-250-731	1994
	Telebras 1996 ISUP	220-250-732	1996
	Telebras 1998 INAP	201-200-709	1998
<b>Telkom</b>			
	Telkom SA 1998 INAP	Chapter 39 Draft 2 of Issue 2	Jun-98
	Telkom SA 98 TCAP	Telkom Exchange Spec. No.7	Jun-98

New Added Protocol