

**Taxonomy table of existing and forthcoming Internet telephony and multimedia Standards (updated Jul 28, 1997)**

<b>Subarea</b>	<b>Standards based on LAN Access</b>	<b>Issued by</b>	<b>Availability</b>	<b>Standards based on PSTN access (copper line access to ISP)</b>
System	H.323	ITU-T SG16	Available, Version 2: Jan 98	Under study in ITU-T and ETSI, a work item not launched yet
System control protocol	H.245	ITU-T SG16	Available, Version 2: Jan 98	H.245
Media control	H.225 (Media stream packetization and synchronization)	ITU-T SG16	Available, Version 2: Jan 98	
Speech codec	G.711 default, G.723.1 recommended for low bit rate multimedia, G.729 for speech only terminals VoIP: G.723.1 default	ITU-T SG16	Available	probably G.723.1 default G.729 recommended for speech only terminals
Video codec	H.263	ITU-T SG16	Available, Version H.263+: Jan 1988	probably H.263+
Time stamping of media streams and definition of payload type	RTP (Included in H.225)	IETF	Available	
QoS, session, and rate control	RTCP (Included in H.225)	IETF	Available	
Latency	G.114 (speech:one-way < 400 ms)	ITU-T SG12	Available	
Resource reservation	RSVP (Not yet included in H.323)	IETF	Not decided	
Unreliable bitstream delivery	UDP (speech and video)	IETF	Available	UDP (speech and video)
Reliable bitstream delivery	TCP (data)	IETF	Available	TCP (data)
Security and encryption	H.235 (Draft Rec.)	ITU-T SG16	Jan 1998	H.235 (Draft)
Data protocols (high layer)	T.120 series	ITU-T SG16	Available	T.120 series
Interworking Gateway support and functions	H.24I (Other systems: POTS, H.320, H.324, H.324M)	ITU-T SG16	End 1998	
Numbering and addressing	Fixed network: E.164 (VoIP) Mobile: E.212	ITU-T SG2	Available	
Signaling (user-network)	Q.931 between Inet phone and telecom network gateway, (VoIP) DTMF: H.245 version 2 (VoIP)	ITU-T SG11	Available  Jan 1998	
Network (MAC) interface	IEEE 802.3, IEEE 802.5	IEEE	Available	