

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.729.1

Amendment 8

(03/2013)

SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS

Digital terminal equipments – Coding of voice and audio
signals

G.729-based embedded variable bit-rate coder: An
8-32 kbit/s scalable wideband coder bitstream
interoperable with G.729

**Amendment 8: New Annex G describing an
alternative floating-point implementation of the
superwideband monaural extension**

Recommendation ITU-T G.729.1 (2006) –
Amendment 8

ITU-T G-SERIES RECOMMENDATIONS

TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS

INTERNATIONAL TELEPHONE CONNECTIONS AND CIRCUITS	G.100–G.199
GENERAL CHARACTERISTICS COMMON TO ALL ANALOGUE CARRIER-TRANSMISSION SYSTEMS	G.200–G.299
INDIVIDUAL CHARACTERISTICS OF INTERNATIONAL CARRIER TELEPHONE SYSTEMS ON METALLIC LINES	G.300–G.399
GENERAL CHARACTERISTICS OF INTERNATIONAL CARRIER TELEPHONE SYSTEMS ON RADIO-RELAY OR SATELLITE LINKS AND INTERCONNECTION WITH METALLIC LINES	G.400–G.449
COORDINATION OF RADIOTELEPHONY AND LINE TELEPHONY	G.450–G.499
TRANSMISSION MEDIA AND OPTICAL SYSTEMS CHARACTERISTICS	G.600–G.699
DIGITAL TERMINAL EQUIPMENTS	G.700–G.799
General	G.700–G.709
Coding of voice and audio signals	G.710–G.729
Principal characteristics of primary multiplex equipment	G.730–G.739
Principal characteristics of second order multiplex equipment	G.740–G.749
Principal characteristics of higher order multiplex equipment	G.750–G.759
Principal characteristics of transcoder and digital multiplication equipment	G.760–G.769
Operations, administration and maintenance features of transmission equipment	G.770–G.779
Principal characteristics of multiplexing equipment for the synchronous digital hierarchy	G.780–G.789
Other terminal equipment	G.790–G.799
DIGITAL NETWORKS	G.800–G.899
DIGITAL SECTIONS AND DIGITAL LINE SYSTEM	G.900–G.999
MULTIMEDIA QUALITY OF SERVICE AND PERFORMANCE – GENERIC AND USER-RELATED ASPECTS	G.1000–G.1999
TRANSMISSION MEDIA CHARACTERISTICS	G.6000–G.6999
DATA OVER TRANSPORT – GENERIC ASPECTS	G.7000–G.7999
PACKET OVER TRANSPORT ASPECTS	G.8000–G.8999
ACCESS NETWORKS	G.9000–G.9999

For further details, please refer to the list of ITU-T Recommendations.

Recommendation ITU-T G.729.1

G.729-based embedded variable bit-rate coder: An 8-32 kbit/s scalable wideband coder bitstream interoperable with G.729

Amendment 8

New Annex G describing an alternative floating-point implementation of the superwideband monaural extension

Summary

Amendment 8 to ITU-T G.729.1 adds new Annex G that describes an alternative floating-point implementation of the superwideband monaural extension described in Annex E. Annex G has, as electronic attachments, the reference ANSI C-source code and associated test vectors. The latter can be downloaded from the ITU-T Test Signal Database at <http://itu.int/net/ITU-T/sigdb/speaudio/Gseries.htm#G.729.1>.

History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T G.729.1	2006-05-29	16
1.1	ITU-T G.729.1 (2006) Amd. 1	2007-01-13	16
1.2	ITU-T G.729.1 (2006) Amd. 2	2007-02-13	16
1.3	ITU-T G.729.1 (2006) Amd. 3	2007-08-29	16
1.4	ITU-T G.729.1 (2006) Amd. 4	2008-06-29	16
1.5	ITU-T G.729.1 (2006) Amd. 5	2008-12-07	16
1.6	ITU-T G.729.1 (2006) Cor.1	2009-08-29	16
1.7	ITU-T G.729.1 (2006) Amd. 6	2010-03-29	16
1.8	ITU-T G.729.1 (2006) Amd. 7	2012-02-29	16
1.9	ITU-T G.729.1 (2006) Amd. 8	2013-03-16	16