

JT-G729 Coding of Speech at 8kbit/s using Conjugate-Structure Algebraic-Code-Excited Linear Prediction(CS-ACELP)

<References>

1. Relation with the international standards

This standard is based on the ITU-T Recommendation G.729 which was approved in March 1996.

Annex A of this standard is based on the ITU-T Recommendation G.729 Annex A which was approved in November 1996.

Annex B of this standard is based on the ITU-T Recommendation G.729 Annex B which was approved at WTSC-96 in October 1996.

Annex C, D and E of this standard are based on the ITU-T Recommendation G.729 Annex C, D and E which were approved in September 1998.

Annex C+, F, G, H and I of this standard are based on the ITU-T Recommendation G.729 Annex C+, F, G, H and I which were approved in February 2000.

Annex B of this standard is based on the Corrigenda to G.729 Annexes which were consent for AAP at ITU-T SG16 meeting in November 2000 and were approved in March 2001.

Appendix 1 of this standard is based on the ITU-T Recommendation G.729 Appendix I which was approved in June 2001.

This standard is amended based on the Implementors' Guide to G.729 which was approved in October 2002.

2. Departures from the above international recommendation

2.1 Optional items

None

2.2 National matter items

None

2.3 Others

- (1) None of the items in this standard are preceded to the above ITU-T Recommendation.
- (2) None of the items in this standard are added to the above ITU-T Recommendation.
- (3) None of the items in this standard are deleted to the above ITU-T Recommendation.
- (4) None of the items in this standard are modified to the above ITU-T Recommendation.

2.4 Differences from the ITU-T Recommendation in the framing of the contents

None

3. History of revised versions

Version	Date	Outline
Version-1	Nov. 27, 1996	Enactment
Version-2	Apr. 23, 1997	Addition of Annex A and B
Version-3	Apr. 22, 1999	Addition of Annex C, D and E
Version-4	Nov. 30, 2000	Addition of Annex C+, F, G,H and I
Version-4.1	Nov. 27, 2001	Amendment to Annex B
Version-5	May 30, 2002	Addition of Appendix 1
Version-5.1	Nov. 27, 2003	Addition of the description about the revision of C-code

4. Others

(1) References

TTC standards: JT-G711, JT-G712, JT-G726, JT-G728

ITU-T recommendations: V.70

(2) The weighted speech signal and the error signal are described as *sw* and *ew* in JT-G729 main body, but they are described as *sw* and *ew* in JT-G729 Annex A.

(3) The coefficient used in the calculation of the tilt compensation is described as the first reflection coefficient in JT-G729 main body and Annex A, but is described as the first parcor in JT-G729 Annex E.

(4) Copyright for Annex C, Annex D, Annex E,

Informative note :

The use of this Recommendation could require licensing from the copyright holders in line with the provisions of the ITU Copyright Policy, which is currently in preparation and which may, once completed, require the revision of Recommendations referring to copyright matters.

(5) The TTC Standard JT-G729 based on the ITU-T Recommendation G.729. The C-code to which this standard refers means the one in ITU-T Recommendation G.729, and it is available from The ITU Association of Japan, Inc.

(6) About the modification of the C-code referred on Annex B, F, G, H and C+ of this standard, there is described in Implementor's Guide for ITU-T Recommendation G.729 which was approved in October 2002.