

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.763

Corrigendum 1
(03/2009)

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

Digital terminal equipments – Principal characteristics of
transcoder and digital multiplication equipment

Digital circuit multiplication equipment using G.726
ADPCM and digital speech interpolation

Corrigendum 1

Recommendation ITU-T G.763 (1998) – Corrigendum 1

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Recommendation ITU-T G.763

Digital circuit multiplication equipment using G.726 ADPCM and digital speech interpolation

Corrigendum 1

Summary

Recommendation ITU-T G.763 is the specification for digital circuit multiplication equipment (DCME) and digital circuit multiplication systems (DCMS). This corrigendum provides the corrections previously identified in the ITU-T G.763 Implementors' Guide.

Source

Corrigendum 1 to Recommendation ITU-T G.763 (1998) was approved on 16 March 2009 by ITU-T Study Group 16 (2009-2012) under Recommendation ITU-T A.8 procedure.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure e.g. interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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Recommendation ITU-T G.763

Digital circuit multiplication equipment using G.726 ADPCM and digital speech interpolation

Corrigendum 1

1) Clause 3.2 a)

Replace the paragraph:

"Speech traffic is ADPCM encoded and subject to DSI. The bit rate of individual bearer channels provided for speech is instantaneously either 32, 24, or 16 kbit/s, depending on traffic loading. If the 16 kbit/s overload feature is activated, the bit rate of the bearer channels provided for speech is 24 kbit/s or 16 kbit/s, depending on traffic loading."

with:

"Speech traffic is ADPCM encoded and subject to DSI. The bit rate of individual bearer channels provided for speech is instantaneously either 32, 24, or 16 kbit/s, depending on traffic loading (see also clauses 5.9.4, 5.9.5 and 5.9.6)."

2) Clause 3.2, Table 1

Replace the Speech entry:

"32 kbit/s ADPCM with DSI

24 and 16 kbit/s ADPCM with DSI"

with:

"32, 24, and 16 kbit/s with DSI; 32 and 24 kbit/s with DSI;

24 and 16 kbit/s with DSI"

3) Clause 5.9.2

Replace in the first paragraph the sentence:

"The 5th bit (LSB) is obtained from a different bearer which is independently assigned as a bit bank."

with:

"The 5th bit (LSB) is obtained from a different bearer channel which is independently assigned as a bit bank."

4) Clause 6.1.2

Replace the paragraph:

"Provisions shall be provided to maintain channel connectivity between page changes in the forward direction of a facsimile transmission and to release the reverse channel connection between procedural signal transmissions so as to achieve a higher return link utilization for facsimile transmissions (this feature is also referred to as silence elimination)."

with:

"Provisions shall be provided to maintain channel connectivity between page changes in the forward direction of a facsimile transmission, and to release the reverse channel connection between procedural signal transmissions so as to achieve a higher return link utilization for facsimile traffic (this feature is also referred to as silence elimination). Encoding on the backward direction of a facsimile transmission shall start as data type; the second hangover time shall be used. The signal may then be reclassified as per the output of the voice/data discriminator process."

5) Clause 15.1

Add at the end of this clause:

Optionally, provisions conforming to Rec. ITU-T G.776.3, ADPCM DCME configuration map report, can be provided to maintain higher interoperability among the DCME.

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