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Contents

Foreword

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1 Scope

The present document describes a generic frame format for the Adaptive Multi-Rate Wideband (AMR-WB) speech codec. This format shall be used as a common reference point when interfacing speech frames between different elements of the 3G system and between different systems. Appropriate mappings to and from this generic frame format will be used within and between each system element.

Annex A describes a second frame format which shall be used when octet alignment of AMR-WB frames is required.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

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[1] 3GPP TS 26.190: "AMR Wideband Speech Codec; Speech Transcoding Functions".

[2] 3GPP TS 26.193: "AMR Wideband Speech Codec; Source Controlled Rate Operation".

[3] 3GPP TS 26.192: "AMR Wideband Speech Codec; Comfort Noise Aspects".

3 Definitions and Abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

AMR-WB mode: one of the nine AMR-WB codec bit-rates denoted also with indices 0 to 8 where 0 maps to the 6.60 kbit/s mode and 8 maps to the 23.85 kbit/s mode.

AMR-WB codec mode: same as AMR-WB mode.

RX_TYPE: classification of the received frame as defined in [2].

TX_TYPE: classification of the transmitted frame as defined in [2].

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

CRC	Cyclic Redundancy Check
FQI	Frame Quality Indicator
GSM	Global System for Mobile communication
LSB	Least Significant Bit
MSB	Most Significant BitRX Receive
SCR	Source Controlled Rate operation
SID	Silence Descriptor (Comfort Noise Frame)
TX	Transmit