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LTE;
Speech codec speech processing functions;
Adaptive Multi-Rate - Wideband (AMR-WB) speech codec;
Interface to Iu, Uu and Nb
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Contents

Foreword

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1 Scope

The present document specifies the mapping of the AMR wideband generic frame format (3GPP TS 26.201) to the Iu Interface (3GPP TS 25.415), the Uu Interface and the Nb Interface (3GPP TS 29.415) of a BICC-based circuit switched core network. It further specifies the mapping of PCM 64 kBit/s (ITU-T G.711) coded speech to the Nb Interface of a BICC-based circuit switched core network.

The mapping of the AMR wideband generic frame format to RTP for the A-Interface and the Nb Interface for a SIP-I - based circuit switched core network is described in TS 26.102.

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 25.415: "Iu Interface CN-UTRAN User plane Protocols".

[2] 3GPP TS 26.201: "AMR Wideband Speech Codec, Frame structure".

[3] 3GPP TS 23.107: "QoS Concept and Architecture".

[5] 3GPP TS 28.062: " In-band Tandem Free Operation (TFO) of Speech Codecs, Stage 3".

[6] 3GPP TS 23.153: "Out of band transcoder control, Stage 2".

[6] 3GPP TS 29.415: "Core Network Nb Interface User Plane Protocols".

[7] ITU-T I.366.2: "AAL type 2 service specific convergence sublayer for trunking".

3 Definitions and abbreviations

3.1 Definitions

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

AMR Wideband Generic Frame Interface: this interface transports the AMR-WB IF1 generic frame as defined in 3GPP TS 26.201.

3.2 Abbreviations

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

AAL2	ATM Adaptation Layer 2
ACS	Active Codec Set
AMR	Adaptive Multi-Rate
AS	Access Stratum
ATM	Asynchronous Transfer Mode