ETSI TS 123 153 V13.1.0 (2016-04)

Digital cellular telecommunications system (Phase 2+) (GSM);
Universal Mobile Telecommunications System (UMTS);
LTE;
Out of band transcoder control;
Stage 2
(3GPP TS 23.153 version 13.1.0 Release 13)

Reference
RTS/TSGC-0423153vd10

Keywords
GSM,LTE,UMTS

ETSI

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Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

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Foreword

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1 Scope

The present document specifies the stage 2 description of the Out-of-Band Transcoder Control for speech services. It describes the principles and procedures to support Transcoder Free Operation, Tandem Free Operation and the interworking between TrFO and TFO. Transcoder at the edge is also part of the present document.

The present document specifies functions, procedures and information which apply to GERAN Iu mode. However, functionality related to GERAN Iu mode is neither maintained nor enhanced.

2 References

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[1] 3GPP TS 23.107: "QoS Concept and Architecture".

[2] 3GPP TS 24.008: "Mobile radio interface layer 3 specification Core Network Protocols –Stage 3".

[3] 3GPP TS 25.413: "UTRAN Iu Interface RANAP Signalling".

[4] 3GPP TS 25.415: "UTRAN Iu Interface User Plane Protocols".

[5] 3GPP TS 26.103: "Speech codec list for GSM and UMTS".

[6] 3GPP TS 29.205: "3rd Generation Partnership Project; Technical Specification Group CoreNetwork; Application of Q.1900 series to Bearer Independent circuit-switched core Network architecture; Stage 3".

[7] ITU-T Recommendation Q.765.5: "Signalling system No. 7; Application transport mechanism: Bearer Independent Call Control (BICC)".

[8] 3GPP TS 23.205: "Bearer-independent CS Core Network.".

[9] 3GPP TS 33.106: "3GPP Security; Lawful Interception Requirements".

[10] 3GPP TS 28.062: "Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3".

[11] 3GPP TS 23.009: "Handover Procedures".

[12] 3GPP TS 29.232: "Media Gateway Controller (MGC) – Media Gateway (MGW) interface; Stage 3".

[13] ITU-T H.248: "Gateway Control Protocol".

[14] 3GPP TS 29.415: "Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification".

[15] 3GPP TS 48.008: "Mobile-services Switching Centre – Base Station System (MSC – BSS) interface; layer 3 specification"

[16] 3GPP TS 43.051: "Technical Specification Group GSM/EDGE; Radio Access Network; Overall description - Stage 2; "