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Contents

Intellectual Property Rights 2
Foreword 2
Modal verbs terminology 2
Foreword 5
1 Scope 6
2 References 6
3 Definitions and abbreviations 7
3.1 Definitions 7
3.2 Abbreviations 7
4 Customized Alerting Tones (CAT) 7
4.1 Introduction 7
4.2 Description 7
4.2.1 General description 7
4.3 Operational requirements 8
4.3.1 Provision/withdrawal 8
4.3.1.1 CAT provision/withdrawal 8
4.3.1.2 Requirements on the originating network side 8
4.3.1.3 Requirements on the terminating network side 8
4.4 Syntax requirements 8
4.5 Signalling procedures 8
4.5.1 General 8
4.5.2 Activation/deactivation 8
4.5.3 Registration/erasure 9
4.5.4 Interrogation 9
4.5.5 Invocation and operation 9
4.5.5.1 Actions at the originating UE 9
4.5.5.1.1 General 9
4.5.5.1.2 UE Actions for CAT copy 9
4.5.5.1.3 UE Actions for CAT stop 9
4.5.5.1.4 UE support of DTMF 9
4.5.5.2 Actions at the AS serving the originating UE 9
4.5.5.2.1 General 9
4.5.5.2.2 AS Actions for forking model 10
4.5.5.2.3 AS Actions for early session model 11
4.5.5.2.3A AS Actions for CAT Reject 12
4.5.5.2.4 AS Actions for CAT stop 13
4.5.5.2.5 AS support of DTMF 13
4.5.5.2.6 AS Actions for Gateway model 13
4.5.5.3 Actions at the AS serving the terminating UE 15
4.5.5.3.1 General 15
4.5.5.3.2 AS actions for forking model 15
4.5.5.3.3 AS Actions for early session model 17
4.5.5.3.4 AS Actions for CAT copy 18
4.5.5.3.5 AS Actions for CAT stop 18
4.5.5.3.6 AS support of DTMF 18
4.5.5.3.7 AS Actions for Gateway model 18
4.6 Interaction with other services 20
4.6.1 Communication session Hold (HOLD) 20
4.6.2 Termination Identification Presentation (TIP) 20
4.6.3 Termination Identification Restriction (TIR) 20
4.6.4 Originating Identification Presentation (OIP) 20
4.6.5 Originating Identification Restriction (OIR) 20
4.6.6 Conference (CONF) 21
4.6.7 Communication DIVersion services (CDIV) 21

4.6.7.1 General 21
4.6.7.2 CFNR 21
4.6.8 Message Waiting Indication (MWI) 22
4.6.9 Communication Barring (CB) 22
4.6.10 Explicit Call Transfer (ECT) 22
4.6.11 Communication Wait 22
4.6.12 Completion of Communications to Busy Subscriber 22
4.6.13 Customized Ringing Signal (CRS) 22
4.7 Parameter values (timers) 23
4.8 Service configuration 23

Annex A (informative): Signalling flows 24

A.1 Scope of signalling flows 24

A.2 Void 24

A.3 CAT forking model signalling flows 24
A.3.1 Introduction 24
A.3.2 CAT when UE#1 and UE#2 have resources available 24
A.3.3 CAT when UE#1 does not have required resources available while UE#2 has resources available 29
A.3.4 CAT when UE#1 has resources available while UE#2 does not have required resources available 35

A.4 CAT early session model signalling flows 40
A.4.1 Introduction 40
A.4.2 CAT when UE#1 and UE#2 have resources available 40
A.4.3 CAT when UE#1 does not have required resources available while UE#2 has resources available 45
A.4.4 CAT when UE#1 has resources available while UE#2 does not have required resources available 55

A.5 CAT Gateway model signalling flows 61
A.5.1 Introduction 61
A.5.2 CAT when UE#1 and UE#2 have resources available 62
A.5.2A CAT using reINVITE request when UE#1 and UE#2 have resources available 67
A.5.3 CAT when UE#1 does not have required resources available while UE#2 has resources available 72
A.5.3A CAT using reINVITE request when UE#1 does not have required resources available while UE#2 has resources available 81
A.5.4 CAT when UE#1 has resources available while UE#2 does not have required resources available 91
A.5.4A CAT using reINVITE request when UE#1 has resources available while UE#2 does not have required resources available 96
A.5.5 CAT diverting for CFNR using reINVITE request when UE#1, UE#2 and UE#3 have resources available 102
A.5.6 CAT diverting for CFU 113
A.5.6.1 General 113
A.5.6.2 Gateway model CAT diverting for CFU when UE#1, UE#2 and UE#3 have resources available 114
A.5.7 CAT when both UE#1 and UE#2 do not have required resources available 121

A.6 Interworking with CS domain 130
A.6.1 Introduction 130
A.6.2 CAT provided by the terminating CS domain 130
A.6.3 CAT provided to the originating CS domain with the CAT forking model 132
A.6.4 CAT provided to the originating CS domain with the CAT early session model 136

Annex B (normative): SDP a=content attribute "g.3gpp.cat" value 142
B.1 Introduction 142
B.2 New value 142

Annex C (informative): Change history 143

History 146

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1 Scope

The present document provides the protocol details for the Customized Alerting Tones (CAT) service in the IP Multimedia (IM) Core Network (CN) subsystem based on the requirements from 3GPP TS 22.182 [2].

The CAT service is an operator specific service by which an operator enables the subscriber to customize the media which is played to the calling party during alerting of the called party.

The present document is applicable to User Equipment (UE) and Application Servers (AS) which are intended to support the CAT service.

2 References

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[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 22.182: "Customized Alerting Tones (CAT) Requirements; Stage 1".

[3] 3GPP TS 24.238: "Session Initiation Protocol (SIP) based user configuration; Stage 3".

[4] 3GPP TS 24.229: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3".

[5] RFC 3262: "Reliability of Provisional Responses in the Session Initiation Protocol (SIP)".

[6] 3GPP TS 24.623: "Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services".

[7] RFC 3959: "The Early Session Disposition Type for the Session Initiation Protocol (SIP)".

[8] RFC 3960: "Early Media and Ringing Tone Generation in the Session Initiation Protocol (SIP)".

[9] RFC 5009 (September 2007): "Private Header (P-Header) Extension to the Session Initiation Protocol (SIP) for Authorization of Early Media".

[10] 3GPP TS 24.607: "Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification".

[11] RFC 6086 (January 2011): "Session Initiation Protocol (SIP) INFO Method and Package Framework".

[12] RFC 4796 (February 2007): "The Session Description Protocol (SDP) Content Attribute".

[13] RFC 3311: "The Session Initiation Protocol (SIP) UPDATE Method".

[14] 3GPP TS 24.628: "Common Basic Communication procedures; Protocol specification".