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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, symbols and abbreviations	7
3.1 Definitions	7
3.2 Abbreviations	8
4 Overview of multimedia telephony communication service and associated supplementary services in the IP Multimedia (IM) Core Network (CN) subsystem.....	8
4.1 General	8
4.1A Roles.....	8
4.1A.1 Multimedia telephony participant.....	8
4.1A.2 Multimedia telephony application server.....	8
4.2 Overview of basic communication part.....	8
4.3 Overview of supplementary services part	9
5 Basic Communication	9
5.1 IMS communication service identifier	9
5.2 Session control procedures	10
5.3 Interworking	10
6 Supplementary services and enhancements.....	10
6.1 High level requirements	10
6.2 Originating Identification Presentation (OIP)	10
6.3 Originating Identification Restriction (OIR)	10
6.4 Terminating Identification Presentation (TIP).....	11
6.5 Terminating Identification Restriction (TIR)	11
6.6 Communication Diversion (CDIV)	11
6.7 Communication Hold (HOLD).....	11
6.8 Communication Barring (CB).....	11
6.9 Message Waiting Indication (MWI).....	11
6.10 Conference (CONF)	11
6.11 Explicit Communication Transfer (ECT)	11
6.12 XCAP over Ut interface for Manipulating NGN Services	11
6.13 Advice Of Charge (AOC).....	11
6.14 Closed User Groups (CUG).....	11
6.15 Three-Party (3PTY).....	11
6.16 Flexible Alerting (FA).....	12
6.17 Communication Waiting (CW)	12
6.18 Completion of Communications to Busy Subscriber (CCBS) Completion of Communications by No Reply (CCNR).....	12
6.19 Customized Alerting Tones (CAT)	12
6.20 Customized Ringing Signal (CRS).....	12
6.21 Personal Network Management (PNM)	12
6.22 Unstructured Supplementary Service Data (USSD).....	12
Annex A (informative): Void	13
Annex B (informative): Void	14
Annex C (informative): Void	15

Annex D (informative):	Void	15
Annex E (informative):	Void	16
Annex F (informative):	Void	17
Annex G (informative):	Void	18
Annex H (informative):	Void	19
Annex I (informative):	Void	20
Annex J (normative):	IP-Connectivity Access Network specific concepts when using EPS to access IM CN subsystem	21
J.1	Scope	21
J.2	EPS aspects when connected to the IM CN subsystem.....	21
J.2.1	Procedures at the UE.....	21
J.2.1.1	Service Specific Access Control.....	21
J.2.1.2	Smart Congestion Mitigation.....	22
Annex K (normative):	IP-Connectivity Access Network specific concepts when using GPRS (Iu mode only) to access IM CN subsystem	24
K.1	Scope	24
K.2	GPRS (Iu mode only) aspects when connected to the IM CN subsystem.....	24
K.2.1	Procedures at the UE.....	24
K.2.1.1	General.....	24
K.2.1.2	Application specific Congestion control for Data Communication (ACDC) procedure.....	24
Annex L (informative):	Change history	26
History	29

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1 Scope

The present document provides the protocol details for multimedia telephony communication service and associated supplementary services in the IP Multimedia (IM) Core Network (CN) subsystem based on the requirements from 3GPP TS 22.173 [2].

Multimedia telephony and supplementary services allow users to establish communications between them and enrich that by enabling supplementary services.

2 References

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

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
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- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 22.173: "IP Multimedia Core Network Subsystem (IMS) Multimedia Telephony Service and supplementary services; Stage 1".
- [3] 3GPP TS 24.604: "Communication Diversion (CDIV); Protocol specification using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification".
- [4] 3GPP TS 24.605: "Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification".
- [5] 3GPP TS 24.606: "Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification".
- [6] 3GPP TS 24.607: "Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification".
- [7] 3GPP TS 24.608: "Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification".
- [8] 3GPP TS 24.610: "Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification".
- [9] 3GPP TS 24.611: "Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification".
- [10] 3GPP TS 24.629: "Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification".
- [11] 3GPP TS 24.623: "Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Simulation Services".
- [12] 3GPP TS 26.114: "IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction".