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1 Scope

The present document specifies the group management protocols needed to support Mission Critical Push To Talk (MCPTT). Group management applies only when the UE operates on the network.

Mission critical communication services are services that require preferential handling compared to normal telecommunication services, e.g. in support of police or fire brigade.

The MCPTT service can be used for public safety applications and also for general commercial applications (e.g., utility companies and railways).

The present document is applicable to User Equipment (UE) supporting the group management client (GMC) functionality, to application server supporting the group management server (GMS) functionality, and to application server supporting the MCPTT server functionality.

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 TR 21.905: "Vocabulary for 3GPP Specifications".

[2] OMA OMA-TS-XDM_Core-V2_1-20120403-A: "XML Document Management (XDM) Specification".

[3] OMA OMA-TS-XDM_Group-V1_1-20120403-A: "Group XDM Specification".

[4] 3GPP TS 23.179: "Functional architecture and information flows to support mission critical communication services".

[5] 3GPP TS 24.379: "Mission Critical Push To Talk (MCPTT) call control Protocol specification".

[6] IETF RFC 4745: "Common Policy: A Document Format for Expressing Privacy Preferences".

[7] 3GPP TS 24.334: "Proximity-services (ProSe) User Equipment (UE) to ProSe function protocol aspects; Stage 3".

[8] IETF RFC 1166: "Internet Numbers".

[9] IETF RFC 5952: "A Recommendation for IPv6 Address Text Representation".

[10] 3GPP TS 24.382: "Mission Critical Push To Talk (MCPTT) identity management; Protocol specification".

[11] 3GPP TS 23.228: "IP Multimedia Subsystem (IMS); Stage 2".

[12] 3GPP TS 24.229: "IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3".

[13] IETF RFC 5875: "An Extensible Markup Language (XML) Configuration Access Protocol (XCAP) Diff Event Package".

[14] IETF RFC 6050: "A Session Initiation Protocol (SIP) Extension for the Identification of Services".