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Contents

Foreword

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1 Scope

The present document describes the Diameter-based PC4a interface between the Proximity-based Services (ProSe) Function and the Home Subscriber Server (HSS) defined for ProSe.

This specification defines the Diameter application for PC4a reference point between the ProSe Function and the HSS.The interactions between the ProSe Function and the HSS are specified.

The stage 2 description for Proximity-based Services (ProSe) features in EPS is specified in 3GPP TS 23.303 [2].

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] 3GPP TS 23.303: "Proximity based services; Stage 2".

[3] Void.

[4] 3GPP TS 33.210: "3G Security; Network Domain Security; IP Network Layer Security".

[5] IETF RFC 4960: "Stream Control Transmission Protocol".

[6] 3GPP TS 29.229: "Cx and Dx interfaces based on the Diameter protocol".

[7] 3GPP TS 23.003: "Numbering, addressing and identification".

[8] IETF RFC 5234: "Augmented BNF for Syntax Specifications: ABNF".

[9] 3GPP TS 29.228: "IP multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and Message Elements".

[10] 3GPP TS 29.272: "Evolved Packet System; MME and SGSN Related Interfaces Based on Diameter Protocol".

[11] 3GPP TS 23.007: "Restoration procedures".

[12] 3GPP TS 29.329: "Sh Interface based on the Diameter protocol".

[13] void

[14] 3GPP TS 29.173: "Location Services (LCS); Diameter-based SLh interface for Control Plane LCS".

[15] IETF RFC 7683: "Diameter Overload Indication Conveyance".

[16] 3GPP TS 24.334: "Proximity-services (ProSe) User Equipment (UE) to ProSe function protocol aspects; Stage 3".

[17] 3GPP TS 24.333: "Proximity-services (ProSe) Management Objects (MO); Stage 3".

[18] 3GPP TS 29.061: "Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)".