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Contents

Foreword

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1 Scope

The present document describes the Diameter-based interfaces between the HSS and other network elements involved in the architecture for interworking with packet data networks and applications, such as Machine-Type Communications (MTC).

In particular, this document specifies the S6m interface between the Home Subscriber Server (HSS) and the MTC Interworking Function (MTC-IWF), the S6n interface between the HSS and the MTC-AAA and the S6t interface between the HSS and the Service Capability Exposure Function (SCEF). The procedures over those interfaces are defined in 3GPP TS 23.682 [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 23.682: "Architecture enhancements to facilitate communications with packet data networks and applications".

[3] IETF RFC 3588: "Diameter Base Protocol".

[4] 3GPP TS 33.210: "3G security; Network Domain Security (NDS); IP network layer security".

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

[6] 3GPP TS 29.228: "IP multimedia (IM) Subsystem Cx Interface; Signalling flows and Message Elements".

[7] 3GPP TS 29.229: "Cx and Dx interfaces based on the Diameter protocol; protocol details ".

[8] 3GPP TS 29.173: "Diameter-based SLh interface for Control Plane LCS".

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

[10] 3GPP TS 29.329: "Sh Interface based on the Diameter protocol".

[11] 3GPP TS 23.003: "Numbering, addressing and identification".

[12] 3GPP TS 29.338: "Diameter based protocols to support SMS capable MMEs".

[13] 3GPP TS 29.368: "Tsp interface protocol between the MTC Interworking Function (MTC-IWF) and Service Capability Server (SCS)".

[14] 3GPP TS 29.272: "Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol".

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

[16] 3GPP TS 32.299: "Telecommunication management; Charging management; Diameter charging applications".