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**Universal Mobile Telecommunications System (UMTS);
LTE;
Home Subscriber Server (HSS) diameter interfaces for
interworking with packet data networks and applications
(3GPP TS 29.336 version 13.6.0 Release 13)**



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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

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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".