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LTE;
Universal Mobile Telecommunications System (UMTS);
Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) interfaces for interworking with packet data networks and applications
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Contents

Foreword

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1 Scope

The present document describes the Diameter-based interfaces between the SCEF/IWK-SCEF and other network entities such as MME/SGSN for the Architecture enhancements to facilitate communications with packet data networks and applications.

In particular, this document specifies the T6a interface between the MME and the SCEF, the T6ai interface between the MME and the IWK-SCEF, the T6b interface between the SGSN and the SCEF, the T6bi interface between the SGSN and the SCEF and the T7 interface between the SCEF and the IWK-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] Void.

[4] 3GPP TS 29.229: "Cx and Dx interfaces based on the Diameter protocol; protocol details ".

[5] 3GPP TS 29.336: "Home Subscriber Server (HSS) diameter interfaces for interworking with packet data networks and applications".

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

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

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

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

[10] 3GPP TS 29.212: "Policy and Charging Control (PCC); Reference points".

[11] 3GPP TS 25.413: "UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling".

[12] 3GPP TS 24.008: "Mobile Radio Interface Layer 3 specification; Core Network Protocols; Stage 3".

[13] 3GPP TS 36.413: "Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP)".

[14] 3GPP TS 48.018: "General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS protocol (BSSGP)".

[15] IETF RFC 7944: "Diameter Routing Message Priority".