



**Universal Mobile Telecommunications System (UMTS);
LTE;
Diameter based protocols to support
Short Message Service (SMS) capable
Mobile Management Entities (MMEs)
(3GPP TS 29.338 version 14.2.0 Release 14)**



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Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	6
1 Scope	7
2 References	7
3 Definitions, symbols and abbreviations	8
3.1 Definitions	8
3.2 Abbreviations	8
4 General	8
4.1 Introduction	8
4.2 Use of Diameter Base protocol.....	8
4.3 Securing Diameter messages	9
4.4 Accounting functionality	9
4.5 Use of sessions	9
4.6 Transport protocol	9
4.7 Advertising application support	9
4.8 Diameter Application Identifier	10
4.9 Use of the Supported-Features AVP	10
5 Diameter based S6c interface between HSS and central SMS functions	10
5.1 Introduction	10
5.2 Procedures description	10
5.2.1 Send Routing Info for SM procedure.....	10
5.2.1.1 General	10
5.2.1.2 Detailed behaviour of the SMS-GMSC.....	14
5.2.1.3 Detailed behaviour of the HSS.....	14
5.2.1.4 Detailed behaviour of the SMS Router	15
5.2.2 Alert Service Centre procedure.....	15
5.2.2.1 General	15
5.2.2.2 Detailed behaviour of the HSS.....	16
5.2.2.3 Detailed behaviour of the SMS-IWMSC	17
5.2.3 Report SM Delivery Status procedure	17
5.2.3.1 General	17
5.2.3.2 Detailed behaviour of the SMS-GMSC.....	18
5.2.3.3 Detailed behaviour of IP-SM-GW	19
5.2.3.4 Detailed behaviour of the HSS.....	19
5.3 Protocol specification.....	19
5.3.1 Routing considerations	19
5.3.1.1 Requests from the SMS-GMSC or the SMS router.....	19
5.3.1.1.1 Introduction	19
5.3.1.1.2 Routing from the originating PLMN	20
5.3.1.1.3 Routing in the HPLMN	20
5.3.1.2 Requests from the HSS	21
5.3.2 Commands	21
5.3.2.1 Introduction.....	21
5.3.2.2 Command-Code values	21
5.3.2.3 Send-Routing-Info-for-SM-Request (SRR) Command.....	22
5.3.2.4 Send-Routing-info-for-SM-Answer (SRA) Command	22
5.3.2.5 Alert-Service-Centre-Request (ALR) Command	23
5.3.2.6 Alert-Service-Centre-Answer (ALA) Command	23
5.3.2.7 Report-SM-Delivery-Status-Request (RDR) Command	23
5.3.2.8 Report-SM-Delivery-Status-Answer (RDA) Command	24
5.3.3 AVPs.....	24

5.3.3.1	General	24
5.3.3.2	SM-RP-MTI	26
5.3.3.3	SM-RP-SMEA	26
5.3.3.4	SRR-Flags	27
5.3.3.5	SM-Delivery-Not-Intended	27
5.3.3.6	Serving-Node	27
5.3.3.7	Additional-Serving-Node	28
5.3.3.8	MWD-Status	28
5.3.3.9	MME-Absent-User-Diagnostic-SM	29
5.3.3.10	MSC-Absent-User-Diagnostic-SM	29
5.3.3.11	SGSN-Absent-Subscriber-Diagnostic-SM	29
5.3.3.12	Feature-List-ID AVP	29
5.3.3.13	Feature-List AVP	29
5.3.3.14	SM-Delivery-Outcome	29
5.3.3.15	MME-SM-Delivery-Outcome	30
5.3.3.16	MSC-SM-Delivery-Outcome	30
5.3.3.17	SGSN-SM-Delivery-Outcome	30
5.3.3.18	IP-SM-GW-SM-Delivery-Outcome	30
5.3.3.19	SM-Delivery-Cause	30
5.3.3.20	Absent-User-Diagnostic-SM	31
5.3.3.21	RDR-Flags	31
5.3.3.22	Maximum-UE-Availability-Time	31
5.3.3.23	SMS-GMSC-Alert-Event	31
5.3.3.24	DRMP	31
5.4	User identity to HSS resolution	31
6	Diameter based SGd/Gdd interfaces between MME/SGSN and central SMS functions	32
6.1	Introduction	32
6.2	Procedures description	32
6.2.1	MO Forward Short Message procedure	32
6.2.1.1	General	32
6.2.1.2	Detailed behaviour of the MME, the SGSN and the IP-SM-GW	34
6.2.1.3	Detailed behaviour of the SMS-IWMSC	34
6.2.2	MT Forward Short Message procedure	35
6.2.2.1	General	35
6.2.2.2	Detailed behaviour of the MME and the SGSN	36
6.2.2.3	Detailed behaviour of the SMS-GMSC	37
6.2.3	Alert Service Centre procedure	38
6.2.3.1	General	38
6.2.3.2	Detailed behaviour of the MME and the SGSN	39
6.2.3.3	Detailed behaviour of the SMS-GMSC	40
6.2.3.4	Detailed behaviour of the SMS-Router	40
6.3	Protocol specification	40
6.3.1	Routing considerations	40
6.3.1.1	Routing for MO Forward SM messages:	40
6.3.1.2	Routing for MT Forward SM messages:	41
6.3.2	Commands	41
6.3.2.1	Introduction	41
6.3.2.2	Command-Code values	41
6.3.2.3	MO-Forward-Short-Message-Request (OFR) Command	42
6.3.2.4	MO-Forward-Short-Message-Answer (OFA) Command	42
6.3.2.5	MT-Forward-Short-Message-Request (TFR) Command	43
6.3.2.6	MT-Forward-Short-Message-Answer (TFA) Command	43
6.3.3	AVPs	44
6.3.3.1	General	44
6.3.3.2	SC-Address	45
6.3.3.3	SM-RP-UI	45
6.3.3.4	TFR-Flags	45
6.3.3.5	SM-Delivery-Failure-Cause	45
6.3.3.6	SM-Enumerated-Delivery-Failure-Cause	46
6.3.3.7	SM-Diagnostic-Info	46
6.3.3.8	Feature-List-ID AVP	46

6.3.3.9	Feature-List AVP	46
6.3.3.10	SM-Delivery-Timer.....	46
6.3.3.11	SM-Delivery-Start-Time	46
6.3.3.12	OFR-Flags.....	46
6.3.3.13	SMSMI-Correlation-ID.....	47
6.3.3.14	HSS-ID.....	47
6.3.3.15	Originating-SIP-URI.....	47
6.3.3.16	Destination-SIP-URI	47
6.3.3.17	Maximum-Retransmission-Time	47
6.3.3.18	Requested-Retransmission-Time	47
6.3.3.19	SMS-GMSC-Address.....	47
6.3.3.20	DRMP	48
7	Result Codes and Experimental-Result values.....	48
7.1	General	48
7.2	Success	48
7.3	Permanent Failures	48
7.3.1	General.....	48
7.3.2	DIAMETER_ERROR_USER_UNKNOWN (5001).....	48
7.3.3	DIAMETER_ERROR_ABSENT_USER (5550)	48
7.3.4	DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS (5551).....	48
7.3.5	DIAMETER_ERROR_FACILITY_NOT_SUPPORTED (5552).....	48
7.3.6	DIAMETER_ERROR_ILLEGAL_USER (5553)	49
7.3.7	DIAMETER_ERROR_ILLEGAL_EQUIPMENT (5554)	49
7.3.8	DIAMETER_ERROR_SM_DELIVERY_FAILURE (5555).....	49
7.3.9	DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED (5556).....	49
7.3.10	DIAMETER_ERROR_SERVICE_BARRED (5557)	49
7.3.11	DIAMETER_ERROR_MWD_LIST_FULL (5558)	49
7.4	Transient Failures	49
7.4.1	General.....	49
Annex A (normative):	Diameter message priority mechanism.....	50
A.1	General	50
A.2	S6c, SGd, Gdd interfaces	50
Annex B (informative):	Change history	51
History		52

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1 Scope

The present document defines the Diameter-based interfaces specific to SMS when they are used in conjunction with the "SMS in MME" architecture specified in 3GPP TS 23.272 [2] or for SGSN supporting EPS interfaces. It comprises:

- the Diameter application for the S6c interface between the HSS and the central SMS functions (SMS-GMSC, SMS Router) ;
- the Diameter application
 - for the SGd interface between the MME, the SMS-IW MSC, the SMS-GMSC and the SMS Router.
 - for the Gdd interface between the SGSN, the SMS-IW MSC, the SMS-GMSC and the SMS Router.

2 References

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- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 23.272: "Circuit Switched (CS) fallback in Evolved Packet System (EPS); Stage 2".
- [3] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".
- [4] 3GPP TS 29.272: "Evolved Packet System (EPS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol".
- [5] 3GPP TS 29.229: "Cx and Dx interfaces based on the Diameter protocol; Protocol details".
- [6] IETF RFC 2234: "Augmented BNF for Syntax Specifications: ABNF".
- [7] Void.
- [8] IETF RFC 5516: "Diameter Command Code Registration for the Third Generation Partnership Project (3GPP) Evolved Packet System (EPS)".
- [9] 3GPP TS 29.002: "Mobile Application Part (MAP) specification".
- [10] 3GPP TS 29.173: "Location Services (LCS); Diameter-based SLh interface for Control Plane LCS".
- [11] 3GPP TS 33.210: "3G security; Network Domain Security (NDS); IP network layer security".
- [12] IETF RFC 4960: "Stream Control Transport Protocol".
- [13] ITU-T Recommendation E.164: "The international public telecommunication numbering plan".
- [14] 3GPP TS 29.329: "Sh Interface based on the Diameter protocol; Protocol details".
- [15] 3GPP TS 29.336: "Home Subscriber Server (HSS) diameter interfaces for interworking with packet data networks and applications".
- [16] 3GPP TS 23.003: "Numbering, addressing and identification".