ETSI TS 129 230 V14.8.0 (2018-10)



Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE;

> Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 14.8.0 Release 14)



Reference RTS/TSGC-0429230ve80 Keywords GSM,LTE,UMTS

ETSI

650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C Association à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

The present document can be downloaded from: http://www.etsi.org/standards-search

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the only prevailing document is the print of the Portable Document Format (PDF) version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx

If you find errors in the present document, please send your comment to one of the following services: https://portal.etsi.org/People/CommiteeSupportStaff.aspx

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.

The copyright and the foregoing restriction extend to reproduction in all media.

© ETSI 2018. All rights reserved.

DECT[™], PLUGTESTS[™], UMTS[™] and the ETSI logo are trademarks of ETSI registered for the benefit of its Members.

3GPP[™] and LTE[™] are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

oneM2M logo is protected for the benefit of its Members.

GSM[®] and the GSM logo are trademarks registered and owned by the GSM Association.

Intellectual Property Rights

Essential patents

IPRs essential or potentially essential to normative deliverables may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (https://ipr.etsi.org/).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

Foreword

This Technical Specification (TS) has been produced by ETSI 3rd Generation Partnership Project (3GPP).

The present document may refer to technical specifications or reports using their 3GPP identities, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under http://webapp.etsi.org/key/queryform.asp.

Modal verbs terminology

In the present document "shall", "shall not", "should", "should not", "may", "need not", "will", "will not", "can" and "cannot" are to be interpreted as described in clause 3.2 of the <u>ETSI Drafting Rules</u> (Verbal forms for the expression of provisions).

"must" and "must not" are NOT allowed in ETSI deliverables except when used in direct citation.

Contents

Intell	lectual Property Rights	2
Forev	word	2
Moda	al verbs terminology	2
	word	
1	Scope	
	References	
2		
3 3.1	Definitions and abbreviations	
3.1 3.2	Abbreviations	
4	Application identifiers	
4 4.1	3GPP specific application identifiers	
5	Command codes	
5.1	Command codes allocated for 3GPP	
6	Vendor identifier	10
6.1	3GPP's vendor identifier	
7	Attribute-Value-Pair codes	11
7.1	3GPP specific AVP codes	11
8	Experimental result codes	35
8.1	3GPP specific result codes	
8.1.1	Informational	
8.1.2 8.1.3	Success	
8.1.4	Permanent Failures	
Anne	ex A (informative): Assignment of the Diameter codes and identifiers in 3GPP	40
	,	
A.1	Application identifiers	
A.2	Command codes	40
A.3	AVP codes	40
A.4	Result codes	40
Anne	ex B (informative): Change history	42
Histo	Dry	47

Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
 - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

1 Scope

[17]

The present document lists the 3GPP specific Diameter protocol codes, including the AVP codes and Experimental result codes.

This document lists also the application identifiers assigned to 3GPP specific Diameter applications by IANA and the Diameter command code range which is assigned to 3GPP by IANA.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- 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 TS 29.228: "IP Multimedia (IM) Subsystem Cx and Dx interfaces; Signalling flows and message contents".
[2]	3GPP TS 29.229: "Cx and Dx interfaces based on the Diameter protocol; Protocol details".
[3]	3GPP TS 29.328: "IP Multimedia (IM) Subsystem Sh interface; Signalling flows and message contents".
[4]	3GPP TS 29.329: "Sh Interface based on the Diameter protocol; Protocol details".
[5]	3GPP TS 32.299: "Telecommunication management; Charging management; Diameter charging applications".
[6]	3GPP TS 29.234, Release 11: "3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3".
[7]	3GPP TS 29.109: "Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3".
[8]	3GPP TS 29.209, Release 6: "Policy control over Gq interface".
[9]	IETF RFC 3588: "Diameter Base Protocol".
[10]	IETF RFC 3589: "Diameter Command Codes for Third Generation Partnership Project (3GPP) Release 5".
[11]	IANA's Enterprise-Numbers: http://www.iana.org/assignments/enterprise-numbers
[12]	IANA's AAA parameters register: ftp://ftp.iana.org/assignments/aaa-parameters/
[13]	3GPP TS 29.061: "Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)".
[14]	3GPP TS 32.296: "Telecommunication management; Charging management; Online Charging System (OCS): Applications and interfaces".
[15]	3GPP TS 29.210, Release 6: "Charging rule provisioning over Gx interface".
[16]	3GPP TS 29.140, Release 6: "Multimedia Messaging Service (MMS); MM10 interface based on Diameter protocol; Stage 3".

3GPP TS 29.211, Release 6: "Rx Interface and Rx/Gx signalling flows".

[18]	3GPP TS 29.214: "Policy and Charging Control over Rx reference point".
[19]	3GPP TS 29.212: "Policy and Charging Control (PCC);Reference points".
[20]	3GPP TS 29.273: "Evolved Packet System (EPS); 3GPP EPS AAA interfaces".
[21]	3GPP TS 29.272: "Evolved Packet System (EPS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol".
[22]	3GPP TS 29.215: "Policy and Charging Control (PCC) over S9 reference point; Stage 3".
[23]	IETF RFC 5516: "Diameter Command Code Registration for Third Generation Partnership Project (3GPP) Evolved Packet System (EPS)".
[24]	3GPP TS 29.172: "Location Services (LCS); Evolved Packet Core (EPC) LCS Protocol (ELP) between the Gateway Mobile Location Centre (GMLC) and the Mobile Management Entity (MME); SLg interface".
[25]	3GPP TS 29.173: "Location Services (LCS); Diameter-based SLh interface for Control Plane LCS".
[26]	3GPP TS 29.219: "Policy and Charging Control: Spending Limit Reporting over Sy reference point".
[27]	3GPP TS 29.368: "Tsp interface protocol between the MTC Interworking Function (MTC-IWF) and Service Capability Server (SCS)".
[28]	3GPP TS 29.336: "Home Subscriber Server (HSS) diameter interfaces for interworking with packet data networks and applications".
[29]	3GPP TS 29.337: "Diameter-based T4 interface for communications with packet data networks and applications".
[30]	3GPP TS 29.338: "Diameter based protocols to support SMS capable MMEs".
[31]	3GPP TS 29.468: "Group Communication System Enablers for LTE (GCSE_LTE)".
[32]	3GPP TS 29.343: "Proximity-services (ProSe) function to ProSe application server aspects (PC2)".
[33]	3GPP TS 29.344: "Proximity-services (ProSe) Function to Home Subscriber Server (HSS) aspects".
[34]	3GPP TS 29.345: "Inter-Proximity-services (Prose) function signalling aspects; Stage 3".
[35]	3GPP TS 29.217: "Policy and Charging Control over Np reference point".
[36]	3GPP TS 29.128: "Diameter based T6a/T6b interface between the MME/SGSN and the SCEF".
[37]	3GPP TS 29.153: "Service exposure functionality between SCEF and RCAF reference point".
[38]	3GPP TS 29.154: "Service capability exposure functionality over Nt Reference point".
[39]	3GPP TS 29.283: "Diameter Data Management applications".
[40]	3GPP TS 29.388: "V2X Control Function to V2X Control Function to Home Subscriber Server (HSS) aspects (V4)".
[41]	3GPP TS 29.389: "Inter-V2X Control Function Signalling aspects (V6)".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply.

3GPP specific: A definition which is used in conjunction with the 3GPP's vendor identifier.

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

AVP Attribute-Value-Pair CR Change Request

IANA Internet Assigned Numbers Authority
IETF Internet Engineering Task Force

LS Liaison Statement

4 Application identifiers

The Diameter applications are identified with the application identifiers as specified in the RFC 3588 [9]. There are two kind of applications: IETF standards track applications and vendor specific applications. All application identifiers are assigned by IANA [12]. This chapter lists the application identifiers assigned by IANA to all 3GPP Diameter applications.

The application identifiers are transferred in Diameter command's header in the Application-ID field.

4.1 3GPP specific application identifiers

The 3GPP specific application identifiers allocated by IANA are listed in the following table.

Table 4.1: 3GPP specific application identifiers

Application identifier	Application	3GPP TS
16777216	3GPP Cx/Px	29.228 [1] and 29.229 [2]
16777217	3GPP Sh/Ph	29.328 [3] and 29.329 [4]
16777218	3GPP Re	32.296 [14]
16777219	3GPP Wx	29.234 [6]
16777220	3GPP Zn	29.109 [7]
16777221	3GPP Zh	29.109 [7]
16777222	3GPP Gq	29.209 [8]
16777223	3GPP Gmb	29.061 [13]
16777224	3GPP Gx	29.210 [15]
16777225	3GPP Gx over Gy	29.210 [15]
16777226	3GPP MM10	29.140 [16]
16777229	3GPP Rx	29.211 [17]
16777230	3GPP Pr	29.234 [6]
16777236	3GPP Rx	29.214 [18]
16777238	3GPP Gx	29.212 [19]
16777250	3GPP STa	29.273 [20]
16777251	3GPP S6a	29.272 [21]
16777252	3GPP S13/S13'	29.272 [21]
16777255	3GPP SLg	29.172 [24]
16777264	3GPP SWm	29.273 [20]
16777265	3GPP SWx	29.273 [20]
16777266	3GPP Gxx	29.212 [19]
16777267	3GPP S9	29.215 [22]
16777268	3GPP Zpn	29.109 [7]
16777272	3GPP S6b	29.273 [20]
16777291	3GPP SLh	29.173 [25]
16777292	3GPP SGmb	29.061 [13]
16777302	3GPP Sy	29.219 [26]
16777303	3GPP Sd	29.212 [19]
16777308	3GPP S7a	29.272 [21]
16777309	3GPP Tsp	29.368 [27]
16777310	3GPP S6m	29.336 [28]
16777311	3GPP T4	29.337 [29]
16777312	3GPP S6c	29.338 [30]
16777313	3GPP SGd	29.338 [30]
16777318	3GPP S15	29.212 [19]
16777319	3GPP S9a	29.212 [19]
16777319	3GPP S9a*	29.215 [22]
16777335	3GPP MB2-C	29.468 [31]
16777336	3GPP PC4a	29.344 [33]
16777337	3GPP PC2	29.344 [33]
16777340	3GPP PC6/PC7	29.345 [34]
		29.345 [34]
16777342 16777345	3GPP Np 3GPP S6t	29.217 [35]
16777346	3GPP Sot 3GPP T6a/T6b	29.336 [28]
16777347	3GPP Ns	29.153[37]
16777348	3GPP Nt	29.154[38]
16777349	3GPP St 3GPP PC2	29.212 [19] 29.343 [32]
16777350		
16777351	3GPP Diameter Data Management	29.283 [39]
16777355	3GPP V4	29.388 [40]
16777356	3GPP V6	29.389 [41]

5 Command codes

The command codes are used for communicating the command associated with the Diameter message. The command code is carried in the Diameter header's Command-Code field. The command codes can be divided into standard command codes allocated by IANA and experimental command codes for testing purposes only.

5.1 Command codes allocated for 3GPP

Based on the IETF RFC 3589 [10] the IANA has allocated a standard command code range 300 - 313 for 3GPP. The command codes are presented in the following table.

Table 5.1/1: Command code values allocated for 3GPP

Command code value	Command name	Abbreviation	Specified in 3GPP TS
300	User-Authorization-Request/-Answer	UAR/UAA	
301	Server-Assignment-Request/-Answer	SAR/SAA	
302	Location-Info-Request/-Answer	LIR/LIA	
303	Multimedia-Auth-Request/-Answer	MAR/MAA	29.229 [2]
304	Registration-Termination-Request/-	RTR/RTA	
	Answer		
305	Push-Profile-Request/-Answer	PPR/PPA	
306	User-Data-Request/-Answer	UDR/UDA	
307	Profile-Update-Request/-Answer	PUR/PUA	29.329 [4]
308	Subscribe-Notifications-Request/-Answer	SNR/SNA	29.329 [4]
309	Push-Notification-Request/-Answer	PNR/PNA	
310	Boostrapping-Info-Request/Answer	BIR/BIA	29.109 [7]
311	Message-Process-Request/Answer	MPR/MPA	29.140 [16]
312	GBAPush-Info-Request/Answer	GPR/GPI	29.109 [7]

Editor's Note: The following command codes have been allocated to 3GPP, but they have not been used yet.

Table 5.1/2: Command codes allocated for 3GPP

Command code value	Command name	Abbreviation	Specified in 3GPP TS
313			

As defined in the IETF RFC 5516 [23]. IANA has allocated the following command code values for the S6a/S6d interface application and S13/S13' interface application.

Table 5.1/3: SAE related Standard Command code valuess allocated for 3GPP

Command code value	Command name	Abbreviation	Specified in 3GPP TS
316	Update-Location-Request/Answer	ULR/ULA	
317	Cancel-Location-Request/Answer	CLR/CLA	
318	Authentication- Information -	AIR/AIA	
	Request/Answer		
319	Insert Subscriber Data-Request/Answer	IDR/IDA	20 272 [24]
320	Delete-Subscriber-Data-Request/Answer	DSR/DSA	29.272 [21]
321	Purge-UE-Request/Answer	PUR/PUA	
322	Reset-Request/Answer	RSR/RSA	
323	Notify-Request/Answer	NOR/NOA	
324	ME-Identity-Check-Request/Answer	ECR/ECA	

Besides the standard command code values allocated for 3GPP, IANA has allocated the following vendor-specific command code values for 3GPP vendor-specific Diameter applications:

Table 5.1/4: Vendor-specific command codes allocated for 3GPP

Command code value	Command name	Abbreviation	Specified in 3GPP TS
8388620	Provide-Location-Request/Answer	PLR/PLA	20 472 [24]
8388621	Location-Report-Request/Answer	LRR/LRA	29.172 [24]
8388622	LCS-Routing-Info-Request/Answer	RIR/RIA	29.173 [25]
8388635	Spending-Limit-Request/Answer	SLR/SLA	
8388636	Spending-Status-Notification-	SNR/SNA	29.219 [26]
	Request/Answer		

8388637	TDF-Session-Request/Answer	TSR/TSA	29.212 [19]	
8388731	TSSF-Notification-Request/Answer	TNR/TNA	29.212[19]	
8388638	Update-VCSG-Location-Request/Answer	UVR/UVA	00 070 [04]	
8388642	Cancel-VCSG-Location-Request/Answer	CVR/CVA	29.272 [21]	
8388639	Device-Action-Request/Answer	DAR/DAA		
8388640	Device-Notification-Request/Answer	DNR/DNA	29.368 [27]	
8388641	Subscriber-Information-Request/Answer	SIR/SIA	29.336 [28]	
8388718	Configuration-Information-	CIR/CIA	20.000 [20]	
0000710	Request/Answer	Onvoire		
8388719	Reporting-Information- Request/Answer	RIR/RIA	29.336 [28]	
8388726	NIDD-Information-Request/Answer	NIR/NIA		
	Device-Trigger-Request/Answer			
8388643		DTR/DTA	29.337 [29]	
8388644	Delivery-Report-Request/Answer	DRR/DRA		
8388645	MO-Forward-Short-Message Request/Answer	OFR/OFA		
8388646	MT-Forward-Short-Message	TFR/TFA	1	
0300040	•	IFR/IFA		
0000047	Request/Answer	000/004	00 000 1001	
8388647	Send-Routing-Info-for-SM-	SRR/SRA	29.338 [30]	
2222242	Request/Answer	A 1 D / A 1 A	4	
8388648	Alert-Service-Centre-Request/Answer	ALR/ALA	1	
8388649	Report-SM-Delivery-Status-	RDR/RDA		
	Request/Answer			
8388656	Trigger-Establishment-Request/Answer	TER/TEA	29.215 [30]	
8388662	GCS-Action-Request/Answer	GAR/GAA	29.468 [31]	
8388663	GCS-Notification-Request/Answer	GNR/GNA	29.400 [31]	
8388664	ProSe-Subscriber-Information-	PIR/PIA		
	Request/Answer			
8388665	Update-ProSe-Subscriber-Data-	UPR/UPA		
	Request/Answer		29.344 [33]	
8388666	ProSe-Notify-Request/Answer	PNR/PNA		
8388713	ProSe-Initial-Location-Information-	PSR/PSA		
	Request/Answer			
8388668	ProSe-Authorization-Request/Answer	PAR/PAA		
8388669	ProSe-Discovery-Request/Answer	PDR/PDA		
8388670	ProSe-Match-Request/Answer	PMR/PMA		
8388671	ProSe-Match-Report-Info-Request/Answer	PIR/PIA		
8388672	ProSe-Proximity-Request/Answer	PRR/PRA	29.345 [34]	
8388673		PLR/PLA	-	
	ProSe-Location-Update-Request/Answer			
8388674	ProSe-Alert-Request/Answer	ALR/ALA	-	
8388675	ProSe-Cancellation-Request/Answer	RPR/RPA		
8388676	ProXimity-Action-Request/Answer	PXR/PXA	29.343 [32]	
8388727	ProXimity-Application-Request/Answer	XAR/XAA	[0-]	
8388720	Non-Aggregated-RUCI-Report-	NRR/NRA		
	Request/Answer			
8388721	Aggregated-RUCI-Report-	ARR/ARA	29.217 [35]	
	Request/Answer		1	
8388722	Modify-Uecontext-Request/Answer	MUR/MUA		
8388724	Network-Status-Request/Answer	NSR/NSA		
8388725	Network-Status-Continuous-Report-	NCR/NCA	29.153 [37]	
	Request/Answer			
8388723	Background-Data-Transfer-	BTR/BTA	20 154 [20]	
	Request/Answer		29.154 [38]	
8388728	Data-Pull-Request/Answer	DPR/DPA		
8388729	Data-Update-Request/Answer	DUR/DUA	29.283 [39]	
8388730	Notification-Data-Request/Answer	NDR/NDA		
8388732	Connection-Management-Request/Answer	CMR/CMA		
8388733	MO-Data-Request/Answer	ODR/ODA	29.128 [36]	
8388734	MT-Data-Request/Answer	TDR/TDA	20.120 [30]	
0000104	wii-pala-Nequest/Allswei	וטועוטא	1	

6 Vendor identifier

The vendor identifier (also known as Enterprise number) indicates the vendor specific attributes, result codes and application identifiers in Diameter commands. The vendor identifier is used in the Vendor-ID field of the AVP header

and in the Vendor-Id AVP. The Vendor-Id AVP is used to identify the vendor in the Vendor-Specific-Application-Id and Experimental-Result-Code grouped AVPs.

6.1 3GPP's vendor identifier

The IANA has allocated a vendor identifier value 10415 for 3GPP [11].

7 Attribute-Value-Pair codes

The AVP codes are used together with the vendor identifier to identify each attribute uniquely. There are multiple AVP namespaces. The IETF IANA namespace, that is, the AVPs with vendor identifier zero or without vendor identifier, is controlled by IANA. Each vendor controls the AVP codes within their AVP namespaces.

7.1 3GPP specific AVP codes

The 3GPP specific AVPs have the Vendor-Specific bit ('V' bit) set in the AVP header and they carry the 3GPP's vendor identifier in the Vendor-ID field of the AVP header. The 3GPP specific AVP codes are presented in the following table.

Table 7.1: 3GPP specific AVP codes

AVP	Attribute Name	Data Type	Specifie
Code			d in the
100	3GPP-WLAN-APN-Id	OctetString	
	3GPP-WLAN-QoS-Filter-Rule	UTF8String	29.234
	3GPP-WLAN-QoS-Filter-Support	OctetString	[6]
	The AVP codes from 1 to 255 are reserved for backwards compa		Specific
	ites (See TS 29.061 [13] and TS 29.234 [6])	and man den i i i i i i i i i i i i i i i i i i i	Оросино
	The AVP codes from 256 to 299 are reserved for future use.		
300	Authentication-Method	Enumerated	
	Authentication-Information-SIM	OctetString	
	Authorization -Information-SIM	OctetString	
	WLAN-User-Data	Grouped	
	Charging-Data	Grouped	
	WLAN-Access	Enumerated	
	WLAN- 3GPP-IP-Access	Enumerated	
	APN-Authorized	Grouped	
	APN-Id	Grouped	
	APN-Barring-Type	Enumerated	29.234
	WLAN-Direct-IP-Access	Enumerated	[6]
	Session-Request-Type	Enumerated	[0]
	Routing-Policy	IPFilterRule	
	Max-Requested-Bandwidth	OctetString	
	Charging-Characteristics		
		Integer	
	Charging-Nodes	Grouped	
316	Primary-OCS-Charging-Function-Name	DiameterIdentity	
	Secondary-OCS-Charging-Function-Name	DiameterIdentity	
	3GPP-AAA-Server-Name	DiameterIdentity	
	Maximum-Number-Accesses	Unsigned32	
	: The AVP codes from 320 to 399 are reserved for TS 29.234		
Note 2	2: The 3GPP-AAA-Server-Name definition is moved to TS 29.273	3 starting from Rel-12.	
	GBA-UserSecSettings Transaction-Identifier	OctetString OctetString	
	NAF-Hostname	OctetString	
402	GAA-Service-Identifier	OctetString	
	Key-ExpiryTime	Time	
405	ME-Key-Material	OctetString	
406	UICC-Key-Material	OctetString	29.109
	GBA_U-Áwareness-Indicator	Enumerated	[7]
	BootstrapInfoCreationTime	Time	
409	GUSS-Timestamp	Time	
410	GBA-Type	Enumerated	
411	UE-Id UE-Id-Type	OctetString	
412	UICC-App-Label	Enumerated OctetString	

414 UICC-ME	Enumerated	1
415 Requested-Key-Lifetime	Time	
416 Private-Identity-Request	Enumerated	
417 GBA-Push-Info	OctetString	
418 NAF-SA-Identifier	OctetString	
419 Security-Feature-Request	OctetString	
420 Security-Feature-Response	OctetString	
Note: The AVP codes from 421 to 499 are reserved for TS 29.109		1
500 Abort-Cause	Enumerated	
501 Access-Network-Charging-Address	Address	
502 Access-Network-Charging-Identifier	Grouped	
503 Access-Network-Charging-Identifier-Value	OctetString	
504 AF-Application-Identifier	OctetString	
505 AF-Charging-Identifier	OctetString	
506 Authorization-Token	OctetString	
507 Flow-Description	IPFilterRule	
508 Flow-Grouping	Grouped	
509 Flow-Number	Unsigned32	
510 Flows	Grouped	
511 Flow-Status	Enumerated	
512 Flow-Usage	Enumerated	
513 Specific-Action	Enumerated	
514 Max-Requested-Bandwidth	Unsigned32	
515 Max-Requested-Bandwidth-DL	Unsigned32	
516 Max-Requested-Bandwidth-UL	Unsigned32	
517 Media-Component-Description	Grouped	
518 Media-Component-Number	Unsigned32	
519 Media-Sub-Component AVP	Grouped	29,209
520 Media-Type	Enumerated	[8],
521 RR-Bandwidth	Unsigned32	29.211
522 RS-Bandwidth	Unsigned32	[17],
523 SIP-Forking-Indication	Enumerated	29.214
524 Codec-Data	OctetString	[18]
525 Service-URN	OctetString	
526 Acceptable-Service-Info	Grouped	
527 Service-Info-Status	Enumerated	
528 MPS-Identifier	OctetString	
529 AF-Signalling-Protocol	Enumerated	
530 Sponsored-Connectivity-Data	Grouped	
531 Sponsor-Identity	OctetString	
532 Application-Service-Provider-Identity	OctetString	
533 Rx-Request-Type	Enumerated	
534 Min-Requested-Bandwidth-DL	Unsigned32	
535 Min-Requested-Bandwidth-UL	Unsigned32	
536 Required-Access-Info	Enumerated	
536 Required-Access-III0 537 IP-Domain-Id	OctetString	
538 GCS-Identifier	OctetString	
539 Sharing-Key-DL		
0 7	Unsigned32	
540 Sharing-Key-UL	Unsigned32	
541 Retry-Interval	Unsigned32	
542 Sponsoring-Action	Enumerated	
543 Max-Supported-Bandwidth-DL	Unsigned32	

544	M O (1D 1 : W 1 !!		I
	Max-Supported-Bandwidth-UL	Unsigned32	
	Min-Desired-Bandwidth-DL	Unsigned32	
	Min-Desired-Bandwidth-UL	Unsigned32	
	MCPTT-Identifier	OctetString	
	Service-Authorization-Info	Unsigned32	
	Media-Component-Status	Unsigned32	
	Priority-Sharing-Indicator	Enumerated	
	AF-Requested-Data	Unsigned32	
	Content-Version	Unsigned64	
553	Pre-emption-Control-Info	Unsigned32	
	Reserved	-	
555	Reserved	-	
556	Reserved	-	
557	Reserved	-	
558	Reserved	-	
559	Reserved	-	
	Reserved	-	
	Reserved	-	
	MCVideo-Identifier	OctetString	
	The AVP codes from 563 to 599 are reserved for TS 29.209, TS		<u>I</u>
	Visited-Network-Identifier	OctetString	
	Public-Identity	UTF8String	
	Server-Name	UTF8String	
	Server-Capabilities	Grouped	
	Mandatory-Capability	Unsigned32	
		Unsigned32	
	Optional-Capability User-Data	Ŭ	
		OctetString	
	SIP-Number-Auth-Items	Unsigned32	
	SIP-Authentication-Scheme	UTF8String	
	SIP-Authenticate	OctetString	
	SIP-Authorization	OctetString	
	SIP-Authentication-Context	OctetString	
	SIP-Auth-Data-Item	Grouped	
	SIP-Item-Number	Unsigned32	
	Server-Assignment-Type	Enumerated	
	Deregistration-Reason	Grouped	29.229
	Reason-Code	Enumerated	[2]
	Reason-Info	UTF8String	[-]
	Charging-Information	Grouped	
	Primary-Event-Charging-Function-Name	DiameterURI	
	Secondary-Event-Charging-Function-Name	DiameterURI	
621	Primary-Charging-Collection-Function-Name	DiameterURI	
	Secondary-Charging-Collection-Function-Name	DiameterURI	
	User-Authorization-Type	Enumerated	
	User-Data-Already-Available	Enumerated	
	Confidentiality-Key	OctetString	
	Integrity-Key	OctetString	
	User-Data-Request-Type	Enumerated	
	Supported-Features	Grouped	
	Feature-List-ID	Unsigned32	
	Feature-List	Unsigned32	
	Supported-Applications	Grouped	
	Associated-Identities		
032	ASSOCIATED-IDENTITIES	Grouped	

			1
	Originating-Request	Enumerated	
	Wildcarded-Public-Identity	UTF8String	
	SIP-Digest-Authenticate	Grouped	
	Wildcarded-IMPU	UTF8String	
	UAR-Flags	Unsigned32	
	Loose-Route-Indication	Enumerated	
639	SCSCF-Restoration-Info	Grouped	
640	Path	OctetString	
641	Contact	OctetString	
	Subscription-Info	Grouped	
643	Call-ID-SIP-Header	OctetString	
644	From-SIP-Header	OctetString	
645	To-SIP-Header	OctetString	
646	Record-Route	OctetString	1
647	Associated-Registered-Identities	Grouped	1
	Multiple-Registration-Indication	Enumerated	1
	Restoration-Info	Grouped	
	Session-Priority	Enumerated	
	Identity-with-Emergency-Registration	Grouped	
	Priviledged-Sender-Indication	Enumerated	
	LIA-Flags	Unsigned32	1
	Initial-CSeq-Sequence-Number	Unsigned32	1
	SAR-Flags	Unsigned32	
	Allowed-WAF-WWSF-Identities	Grouped	
	WebRTC-Authentication-Function-Name	UTF8String	-
	WebRTC-Authentication-Function-Name WebRTC-Web-Server-Function-Name	UTF8String	-
	The AVP codes from 659 to 699 are reserved for TS 29.229.	UTF65tillig	
	User-Identity	Grouped	
	MSISDN	OctetString	•
	User-Data	OctetString	
		Enumerated	
	Data-Reference		
	Service-Indication	OctetString	
	Subs-Req-Type	Enumerated	
	Requested-Domain	Enumerated	
	Current-Location	Enumerated	
	Identity-Set	Enumerated	
	Expiry-Time	Time	
	Send-Data-Indication	Enumerated	29.329
	DSAI-Tag	OctetString	[4]
	One-Time-Notification	Enumerated	L
	Requested-Nodes	Unsigned32	
	Serving-Node-Indication	Enumerated	
715	Repository-Data-ID	Grouped	
716	Sequence-Number	Unsigned32	
	Pre-paging-Supported	Enumerated	
	Local-Time-Zone-Indication	Enumerated	
719	UDR-Flags	Unsigned32	
	Call-Reference-Info	Grouped	
	Call-Reference-Number	OctetString	
	AS-Number	OctetString	
	The AVP codes from 723 to 799 are reserved for TS 29.329.		1
Note	The AVP codes from 800 to 822 are reserved for TS 32.299.		
	Event-Type	Grouped	
	SIP-Method	UTF8String	1
	Event	UTF8String	
	Content-Type	UTF8String	
	Content-Length	Unsigned32	
	Content-Length Content-Disposition	UTF8String	1
	Role-of-Node	Enumerated	32.299
	User-Session-Id	UTF8String	[5]
	Calling-Party-Address	UTF8String	
	Calling-Party-Address Called-Party-Address	UTF8String	-
	Time-Stamps	Grouped	-
	SIP-Request-Timestamp	Time	-
835	SIP-Response-Timestamp	Time	

000 14 11 11 0	
836 Application-Server 837 Application-provided-called-party-address	UTF8String UTF8String
338 Inter-Operator-Identifier	Grouped
39 Originating-IOI	UTF8String
40 Terminating-IOI	UTF8String
41 IMS-Charging-Identifier	UTF8String
42 SDP-Session-Description	UTF8String
43 SDP-Media-Component	Grouped
44 SDP-Media-Name	UTF8String
45 SDP-Media-Description	UTF8String
46 CG-Address	Address
47 GGSN-Address	Address
348 Served-Party-IP-Address	Address
349 Authorized-QoS	UTF8String
350 Application-Server-Information	Grouped
Trunk-Group-Id	Grouped
352 Incoming-Trunk-Group-Id	UTF8String
Outgoing-Trunk-Group-Id	UTF8String
Bearer-Service	OctetString
Service-Id	UTF8String
356 Associated-URI	UTF8String
357 Charged-Party	UTF8String
858 PoC-Controlling-Address	UTF8String
PoC-Group-Name	UTF8String
360 Cause	Grouped
361 Cause-Code	Integer32
Node-Functionality	Enumerated
363 Service-Specific-Data	UTF8String
364 Originator	Enumerated
365 PS-Furnish-Charging-Information	Grouped
366 PS-Free-Format-Data	OctetString
B67 PS-Append-Free-Format-Data	Enumerated
Time-Quota-Threshold	Unsigned32
869 Volume-Quota-Threshold	Unsigned32
Trigger-Type	Enumerated
371 Quota-Holding-Time	Unsigned32
Reporting-Reason	Enumerated
Service-Information	Grouped
PS-Information	Grouped
Reserved	- Crowned
376 IMS-Information	Grouped
MMS-Information	Grouped
378 LCS-Information	Grouped
879 PoC-Information 880 MBMS-Information	Grouped
881 Quota-Consumption-Time	Grouped Unsigned32
382 Media-Initiator-Flag	Enumerated
883 PoC-Server-Role	Enumerated Enumerated
	Enumerated Enumerated
884 PoC-Session-Type 885 Number-Of-Participants	Unsigned32
386 Originator-Address	Grouped
887 Participants-Involved	UTF8String
888 Expires	Unsigned32
889 Message-Body	Grouped
390 Reserved	Gloupeu
91 Reserved	-
92 Reserved	<u>-</u>
Reserved	
394 Reserved	-
395 Reserved	
396 Reserved	-
897 Address-Data	- UTF8String
898 Address-Data	Grouped
	Enumerated
899 Address-Type	Enumerated

900 TMGI OctectString 901 Required-MBMS-Bearer-Capabilities UTF8String 902 MBMS-StartStop-Indication Enumerated 903 MBMS-Service-Area OctectString 904 MBMS-Session-Duration Unsigned32 905 Alternative-APN UTF8String 906 MBMS-Service-Type Enumerated 907 MBMS-2G-3G-Indicator Enumerated 908 MBMS-Session-Identity OctetString 909 RAI UTF8String 910 Additional-MBMS-Trace-Info 911 MBMS-Time-To-Data-Transfer Unsigned32 912 MBMS-Session-Identity-Repetition-Number	
902 MBMS-StartStop-Indication Enumerated 903 MBMS-Service-Area OctectString 904 MBMS-Session-Duration Unsigned32 905 Alternative-APN UTF8String 906 MBMS-Service-Type Enumerated 907 MBMS-2G-3G-Indicator Enumerated 908 MBMS-Session-Identity OctetString 909 RAI UTF8String 910 Additional-MBMS-Trace-Info OctetString 911 MBMS-Time-To-Data-Transfer Unsigned32	
902 MBMS-StartStop-Indication Enumerated 903 MBMS-Service-Area OctectString 904 MBMS-Session-Duration Unsigned32 905 Alternative-APN UTF8String 906 MBMS-Service-Type Enumerated 907 MBMS-2G-3G-Indicator Enumerated 908 MBMS-Session-Identity OctetString 909 RAI UTF8String 910 Additional-MBMS-Trace-Info OctetString 911 MBMS-Time-To-Data-Transfer Unsigned32	
904 MBMS-Session-Duration Unsigned32 905 Alternative-APN UTF8String 906 MBMS-Service-Type Enumerated 907 MBMS-2G-3G-Indicator Enumerated 908 MBMS-Session-Identity OctetString 909 RAI UTF8String 910 Additional-MBMS-Trace-Info OctetString 911 MBMS-Time-To-Data-Transfer Unsigned32	
905 Alternative-APN UTF8String 906 MBMS-Service-Type Enumerated 907 MBMS-2G-3G-Indicator Enumerated 908 MBMS-Session-Identity OctetString 909 RAI UTF8String 910 Additional-MBMS-Trace-Info OctetString 911 MBMS-Time-To-Data-Transfer Unsigned32	
905 Alternative-APN UTF8String 906 MBMS-Service-Type Enumerated 907 MBMS-2G-3G-Indicator Enumerated 908 MBMS-Session-Identity OctetString 909 RAI UTF8String 910 Additional-MBMS-Trace-Info OctetString 911 MBMS-Time-To-Data-Transfer Unsigned32	
906MBMS-Service-TypeEnumerated907MBMS-2G-3G-IndicatorEnumerated908MBMS-Session-IdentityOctetString909RAIUTF8String910Additional-MBMS-Trace-InfoOctetString911MBMS-Time-To-Data-TransferUnsigned32	
907MBMS-2G-3G-IndicatorEnumerated908MBMS-Session-IdentityOctetString909RAIUTF8String910Additional-MBMS-Trace-InfoOctetString911MBMS-Time-To-Data-TransferUnsigned32	
908MBMS-Session-IdentityOctetString909RAIUTF8String910Additional-MBMS-Trace-InfoOctetString911MBMS-Time-To-Data-TransferUnsigned32	
909RAIUTF8String910Additional-MBMS-Trace-InfoOctetString911MBMS-Time-To-Data-TransferUnsigned32	
910Additional-MBMS-Trace-InfoOctetString911MBMS-Time-To-Data-TransferUnsigned32	
911 MBMS-Time-To-Data-Transfer Unsigned32	
912 MBMS-Session-Identity-Repetition-Number Unsigned32	
913 MBMS-Required-QoS UTF8String	
914 MBMS-Counting-Information Enumerated	
915 MBMS-User-Data-Mode-Indication Enumerated	
916 MBMS-GGSN-Address UTF8String	9.061
1 U1 / 1MBM/S-1-1-(-SM-1PMS-Address	
918 MBMS-BMSC-SSM-IP-Address UTF8String	[13]
919 MBMS-BMSC-SSM-IPv6-Address UTF8String	
920 MBMS-Flow-Identifier OctetString	
921 CN-IP-Multicast-Distribution Enumerated	
922 MBMS-HC-Indicator Enumerated	
923 MBMS-Access-Indicator Enumerated	
924 MBMS-GW-SSM-IP-Address OctetString	
925 MBMS-GW-SSM-IPv6-Address OctetString	
926 MBMS-BMSC-SSM-UDP-Port OctetString	
927 MBMS-GW-UDP-Port OctetString	
928 MBMS-GW-UDP-Port-Indicator Enumerated	
929 MBMS-Data-Transfer-Start Unsigned64	
930 MBMS-Data-Transfer-Stop Unsigned64	
931 MBMS-Flags Unsigned32	
932 Restart-Counter Unsigned32	
933 Diagnostic-Info Unsigned32	
934 MBMS-Cell-List OctetString	
Note: The AVP codes from 935 to 999 are reserved for TS 29.061	
1000 Bearer-Usage Enumerated 29.212 [19]	
1001 Charging-Rule-Install Grouped	
1002 Charging-Rule-Remove Grouped	
1003 Charging-Rule-Definition Grouped	
1004 Charging-Rule-Base-Name UTF8String	
1005 Charging-Rule-Name OctetString	
1006 Event-Trigger Enumerated	
1007 Metering-Method Enumerated	
1008 Offline Enumerated	
1009 Online Enumerated	
1010 Precedence Unsigned32	
1011 Reporting-Level Enumerated	
1012 TFT-Filter IPFilterRule	
1013 TFT-Packet-Filter-Information Grouped	
1014 ToS-Traffic-Class OctetString	
1016 QoS-Information Grouped	
1018 Charging-Rule-Report Grouped	
1019 PCC-Rule-Status Enumerated	
1020 Bearer-Identifier OctetString	
1021 Bearer-Operation Enumerated	
1022 Access-Network-Charging-Identifier-Gx Grouped	
11022 1ACCE33-1ACCWOLK-CHARUHU-IUEHUHEI-OX 1 CHOODEG 1	
1023 Bearer-Control-Mode Enumerated	
1023 Bearer-Control-ModeEnumerated1024 Network-Request-SupportEnumerated	
1023Bearer-Control-ModeEnumerated1024Network-Request-SupportEnumerated1025Guaranteed-Bitrate-DLUnsigned32	
1023 Bearer-Control-ModeEnumerated1024 Network-Request-SupportEnumerated1025 Guaranteed-Bitrate-DLUnsigned321026 Guaranteed-Bitrate-ULUnsigned32	
1023 Bearer-Control-ModeEnumerated1024 Network-Request-SupportEnumerated1025 Guaranteed-Bitrate-DLUnsigned321026 Guaranteed-Bitrate-ULUnsigned321027 IP-CAN-TypeEnumerated	
1023Bearer-Control-ModeEnumerated1024Network-Request-SupportEnumerated1025Guaranteed-Bitrate-DLUnsigned321026Guaranteed-Bitrate-ULUnsigned321027IP-CAN-TypeEnumerated1028QoS-Class-IdentifierEnumerated	
1023 Bearer-Control-ModeEnumerated1024 Network-Request-SupportEnumerated1025 Guaranteed-Bitrate-DLUnsigned321026 Guaranteed-Bitrate-ULUnsigned321027 IP-CAN-TypeEnumerated	

1031	Rule-Failure-Code	Enumerated	
1032	RAT-Type	Enumerated	
1033	Event-Report-Indication	Grouped	
1034	Allocation-Retention-Priority	Grouped	
1035	CoA-IP-Address	Address	
1036	Tunnel-Header-Filter	IPFilterRule	
1037	Tunnel-Header-Length	Unsigned32	
1038	Tunnel-Information	Grouped	
1039	CoA-Information	Grouped	
1040	APN-Aggregate-Max-Bitrate-DL	Unsigned32	
	APN-Aggregate-Max-Bitrate-UL	Unsigned32	
	Revalidation-Time	Time	
1043	Rule-Activation-Time	Time	
1044	Rule-DeActivation-Time	Time	
1045	Session-Release-Cause	Enumerated	
	Priority-Level	Unsigned32	
	Pre-emption-Capability	Enumerated	
	Pre-emption-Vulnerability	Enumerated	
	Default-EPS-Bearer-QoS	Grouped	
	AN-GW-Address	Address	
	QoS-Rule-Install	Grouped	
	QoS-Rule-Remove	Grouped	
	QoS-Rule-Definition	Grouped	
	QoS-Rule-Name	OctetString	
	QoS-Rule-Report	Grouped	
	Security-Parameter-Index	OctetString	
	Flow-Label	OctetString	
	Flow-Information	Grouped	
	Packet-Filter-Content	IPFilterRule	
	Packet-Filter-Identifier	OctetString	
	Packet-Filter-Information	Grouped	
	Packet-Filter-Operation	Enumerated	
	Resource-Allocation-Notification	Enumerated	
	Session-Linking-Indicator	Enumerated	
	PDN-Connection-ID	OctetString	
	Monitoring-Key	OctetString	
	Usage-Monitoring-Information	Grouped	
	Usage-Monitoring-Level	Enumerated	
	Usage-Monitoring-Report	Enumerated	
	Usage-Monitoring-Support	Enumerated	
	CSG-Information-Reporting	Enumerated	
	Packet-Filter-Usage	Enumerated	
	Charging-Correlation-Indicator	Enumerated	
	QoS-Rule-Base-Name	UTF8String	
	Routing-Rule-Remove	Grouped	
	Routing-Rule-Remove Routing-Rule-Definition	Grouped	
	Routing-Rule-Identifier	OctetString	
	Routing-Rule-Identiller Routing-Filter	Grouped	
	Routing-Filter Routing-IP-Address		
		Address	
	Flow-Direction	Enumerated	
	Routing-Rule-Install	Grouped	
	Credit-Management-Status	Unsigned32	
	Redirect-Information	Grouped	
	Redirect- Support	Enumerated	
	TDF-Information	Grouped	
	TDF-Application-Identifier	OctetString	
	TDF-Destination-Host	DiameterIdentity	
	TDF-Destination-Realm	DiameterIdentity	
	TDF-IP-address	Address	
	ADC-Rule-Install	Grouped	
	ADC-Rule-Remove	Grouped	
	ADC-Rule-Definition	Grouped	
	ADC-Rule-Base-Name	UTF8String	
	ADC-Rule-Name	OctetString	
1097	ADC-Rule-Report	Grouped	
_			

Leggla II II Day II II II		T
1098 Application-Detection-Information	Grouped	Á
1099 PS-to-CS-Session-Continuity	Enumerated	<u> </u>
Note: The AVP codes from 1083 to 1084 are reserved for TS 29.212	0	00.440.5403
1100 Served-User-Identity	Groupe	29.140 [16]
1101 VASP-ID	UTF8Str	4
1102 VAS-ID	UTF8String	4
1103 Trigger-Event	Enumerated	4
1104 Sender-Address	UTF8String	4
1105 Initial-Recipient-Address	Grouped	4
1106 Result-Recipient-Address 1107 Sequence-Number	Grouped Unsigned32	-
1108 Recipient-Address	UTF8String	
1109 Routeing-Address	UTF8String	1
1110 Originating-Interface	Enumerated	-
1111 Delivery-Report	Enumerated	-
1112 Read-Reply	Enumerated	-
1113 Sender-Visibility	Enumerated	
1114 Service-Key	UTF8String	
1115 Billing-Information	UTF8String	1
1116 Status	Grouped	1
1117 Status-Code	UTF8String	1
1118 Status-Text	UTF8String	1
Note: The AVP codes from 1119 to 1199 are reserved for TS 29.140		<u> </u>
1200 Domain-Name	UTF8String	32.299 [5]
1201 Recipient-Address	Grouped	
1202 Submission-Time	Time	
1203 MM-Content-Type	Grouped	
1204 Type-Number	Enumerated	
1205 Additional-Type-Information	UTF8String	
1206 Content-Size	Unsigned32]
1207 Additional-Content-Information	Grouped	1
1208 Addressee-Type	Enumerated	1
1209 Priority	Enumerated	1
1210 Message-ID	UTF8String	1
1211 Message-Type	Enumerated	1
1212 Message-Size	Unsigned32	1
1213 Message-Class	Grouped	Á
1214 Class-Identifier	Enumerated	4
1215 Token-Text	UTF8String	-
1216 Delivery-Report-Requested 1217 Adaptations	Enumerated	1
1218 Applic-ID	Enumerated UTF8String	1
1219 Aux-Applic-Info	UTF8String	1
1220 Content-Class	Enumerated	1
1221 DRM-Content	Enumerated	1
1222 Read-Reply-Report-Requested	Enumerated	1
1223 Reply-Applic-ID	UTF8String	1
1224 File-Repair-Supported	Enumerated	1
1225 MBMS-User-Service-Type	Enumerated	1
1226 Unit-Quota-Threshold	Unsigned32	1
1227 PDP-Address	Address	1
1228 SGSN-Address	Address	1
1229 PoC-Session-Id	UTF8String	1
1230 Deferred-Location-Even-Type	UTF8String	1
1231 LCS-APN	UTF8String	
1232 LCS-Client-Id	Grouped]
1233 LCS-Client-Dialed-By-MS	UTF8String]
1234 LCS-Client-External-ID	UTF8String]
1235 LCS-Client-Name	Grouped]
1236 LCS-Data-Coding-Scheme	UTF8String]
1237 LCS-Format-Indicator	Enumerated	1
1238 LCS-Name-String	UTF8String	1
1239 LCS-Requestor-Id	Grouped]
1240 LCS-Requestor-Id-String	UTF8String]
1241 LCS-Client-Type	Enumerated	

1-24 Coation Furpe	1242 Location-Estimate	OctetString	
1244 Location-Type Grouped UTFSString UTFSString 1248 Positioning-Data UTFSString 1248 Positioning-Data UTFSString 1247 PDP-Context-Type Enumerated Enumerated Enumerated 1247 PDP-Context-Type Enumerated Enumerated 1248 Service-Specific-Info Grouped 1256 Called-Asserted-Identity UTFSString 1251 Requested-Party-Address UTFSString 1252 POC-User-Role Grouped 1253 PoC-User-Role Grouped 1253 PoC-User-Role Grouped 1253 PoC-User-Role - Info-Units Enumerated Grouped 1255 Tark-Burst-Exchange Grouped 1255 Tark-Burst-Exchange Grouped 1255 Tark-Burst-Exchange Grouped 1257 Sarvice-Specific-Type Unsigned32 1258 Participant-Group Grouped 1259 Participant-Group Grouped 1259 Participant-Group Grouped 1259 Participant-Group Grouped 1259 Participant-Group Grouped 1251 1252 PoC-User-Role-Information Grouped 1258 Participant-Group Grouped 1258 PoC-Change-Conditions Enumerated 1258 PoC-Change-Conditions Enumerated 1258 PoC-Change-Conditions Enumerated 1258 PoC-Change-Time Time 1258 Time-Interval Unsigned32 1256 Envelope-End-Time Time 1256 Envelope-End-Time Time 1256 Envelope-End-Time Time 1256 Envelope-End-Time Time 1256 Envelope-Start-Time Time 1259 Envelope-Start-Time Time 1279 Time-Quota-Mychanism Grouped 1277 Time-Quota-Mychanism Grouped 1277 1278 The Changing Grouped 1279		<u> </u>	
1246 Reserved			
1247 PDP. Context-Type			
1247 PDP-Context-Type		UTF8String	
1248 MMBox-Storage-Requested Enumerated Enumerated 1250 Called-Asserted-Identity UTF8String 1251 Requested-Party-Address UTF8String 1252 Poc-User-Role - IDS Called-Asserted-Identity UTF8String 1252 Poc-User-Role - IDS UTF8String 1253 Poc-User-Role - IDS UTF8String 1254 Poc-User-Role - ID-Units Enumerated 1256 Poc-User-Role - ID-Units Enumerated 1256 Poc-User-Role - ID-Units Enumerated 1256 Service-Seneric-Information Grouped 1257 Service-Specific-Type Unsigned32 1258 Service-Specific-Type Unsigned32 1258 Event-Charging-TimeStamp Time 1259 Participant-Access-Priority Enumerated 1269 Participant-Group Grouped 1261 Poc-Change-Conditions Enumerated 1269 Participant-Group Grouped 1261 Poc-Change-Time Time 1263 Access-Network-Information OctetString Grouped 1265 Event-Change-Time Unsigned32 1266 Event-Change-Time Time 1268 Event-Change-Time Time Time 1270 Time-Quota-Mechanism Grouped 1271 Time-Quota-Mechanism Grouped 1272 Early-Media-Description Grouped 1273 SDP-TimeStamp Time 1273 SDP-TimeStamp Time 1274 Time-Quota-Mechanism Grouped 1274 SDP-Offer-Timestamp Time 1276 Grouped 1274 SDP-Offer-Timestamp Time 1276 Grouped 1277 Grouped-Party-Address Ursigned32 1278 SDP-Offer-Timestamp Time 1279 Grouped 1279 SDP-Offer-Timestamp Time 1270 Grouped 1279 SDP-Offer-Timestamp Time 1270 Grouped 1279 SDP-Offer-Timestamp Time 1270 Grouped 1274 SDP-Offer-Timestamp Grouped 1278 SDP-Offer-Timestamp Time 1279 Grouped 1279 SDP-Offer-Timestamp Grouped 1279 SDP-Offer-Timestamp Grouped 1279 SDP-Offer-Timestamp Grouped 1279 SDP-Offer-Timestamp Grouped 1279 SDP			
1249 Service-Specific-Info			
1250 Called-Asserted-Identity			
1251 Requested-Party-Address UTF8String 1252 PoC-User-Role Grouped 1253 PoC-User-Role-Ibs UTF8String 1254 PoC-User-Role-Info-Units Enumerated 1255 Talk-Burst-Exchange Grouped 1256 Garcia-Generic-Information Grouped 1256 Service-Generic-Information Grouped 1257 Service-Specific-Type Unsigned32 1258 Event-Charging-TimeStamp Time 1259 Participant-Access - Priority Enumerated 1250 Participant-Group Grouped 1261 PoC-Change-Tonditions Enumerated 1262 PoC-Change-Time Time 1262 PoC-Change-Time Time 1263 Access-Network-Information OctetString Grouped 1265 Base-Time-Interval Unsigned32 1266 Envelope Grouped 1267 Envelope-End-Time Time 1268 Envelope-End-Time Time 1268 Envelope-Reporting Enumerated 1269 Envelope-Start-Time Time 1270 Time-Quota-Machanism Grouped 1267 Envelope-Start-Time Time Grouped 1271 Time-Quota-Machanism Grouped 1272 Early-Media-Description Grouped 1273 SDP-TimeStamp Time 1274 Time-Guota-Type Enumerated 1275 SDP-Answer-Timestamp Time 1276 Grouped 1277 PoC-Session-Initiation-type Enumerated 1278 Grouped 1279 Grouped 1274 SDP-Offer-Timestamp Time 1276 Grouped 1278 SDP-Offer-Timestamp Time 1276 Grouped 1278 Grouped 1278 Grouped 1279 Group			
1252 POC-User-Role Grouped			
1253 POC-User-Role-In-Ouhits			
1255 Talk Bursi-Exchange Grouped			
1255 Talk-Burst-Exchange Grouped 1256 Service-Generic-Information Grouped 1257 Service-Specific-Type Unsigned32 1258 Event-Charging-TimeStamp Time 1259 Participant-Access-Priority Enumerated 1260 Participant-Group Grouped 1261 Poc-C-hange-Conditions Enumerated 1262 Poc-Change-Time Time 1263 Access-Network-Information OctetString Grouped 1265 Base-Time-Interval Unsigned32 1266 Envelope-End-Time Time 1268 Envelope-Reporting Grouped 1267 Envelope-Reporting Enumerated 1269 Envelope-Reporting Enumerated 1270 Time-Quota-Mechanism Grouped 1271 Time-Quota-Mechanism Grouped 1272 Early-Media-Description Grouped 1273 SDP-TimeStamps Grouped 1274 SDP-Offer-Timestamp Time 1275 SDP-Answer-Timestamp Time 1276 AF-Correlation-Information Grouped 1277 Grouped 1278 Grouped 1279 Grouped 1279 Grouped 1279 Grouped 1279 Grouped 1279 Grouped 1279 Grouped 1271 Grouped 1271 Grouped 1272 Grouped 1274 SDP-Offer-Timestamp Time 1275 SDP-Answer-Timestamp Time 1276 AF-Correlation-Information Grouped 1279 Grouped 1279 Grouped 1279 Grouped 1279 Grouped 1279 Grouped 1279 Grouped 1271 Grouped 1271 Grouped 1272 Grouped 1273 Grouped 1274 1275 Grouped 1275 Grouped 1276 AF-Correlation-Information Grouped 1276 AF-Correlation-Information Grouped 1278 Grouped 1279 G	1253 PoC-User-Role-IDs	UTF8String	
1256 Service-Geneirc-Information Grouped 1257 Service-Specific-Type Unsigned32 1258 Event-Charging-TimeStamp Time 1259 Participant-Access-Priority Enumerated 1260 Participant-Group Grouped 1261 PoC-Change-Conditions Enumerated 1262 PoC-Change-Time Time 1263 Access-Network-Information OctelString 1264 Trigger Grouped 1265 Base-Time-Interval Unsigned32 1266 Envelope Grouped 1267 Envelope-End-Time Time 1268 Envelope-End-Time Time 1269 Envelope-Start-Time Time 1269 Envelope-Start-Time Time 1270 Time-Quota-Mechanism Grouped 1271 Time-Quota-Mechanism Grouped 1272 Early-Media-Description Grouped 1273 SDP-TimeStamps Grouped 1274 SDP-Ofter-Timestamp Time 1275 SDP-Answer-Timestamp Time 1276 AF-Correlation-Information Grouped 1277 PoC-Session-Initiation-type Enumerated 1278 Diffine-Charging Grouped 1279 User-Participating-Type Enumerated 1279 User-Participating-Type Enumerated 1279 User-Participating-Type Enumerated 1270 User-Participating-Type Enumerated 1271 Time-Charging Grouped 1272 SDP-Answer-Timestamp Time 1276 AF-Correlation-Information Grouped 1277 PoC-Session-Initiation-type Enumerated 1278 User-Participating-Type Enumerated 1280 Alternate-Charged-Party-Address UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1282 Number-Of-Talk-Bursts Unsigned32 1284 Received-Talk-Burst-Volume Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Volume Unsigned32 1287 Talk-Burst-Volume Unsigned32 1400 Subscription-Data Urf8String Urf8String 1401 Grouped Unsigned32 Unsigned32 1402 Unsigned32	1254 PoC-User-Role-info-Units	Enumerated	
1258 Service-Specific-Type	1255 Talk-Burst-Exchange	Grouped	
1258 Event-Charging-TimeStamp	1256 Service-Generic-Information	Grouped	
1258 Event-Charging-TimeStamp	1257 Service-Specific-Type	Unsigned32	
1259 Participant-Access-Priority Enumerated 1261 PoC-Change-Conditions Enumerated 1262 PoC-Change-Conditions Enumerated 1262 PoC-Change-Conditions Enumerated 1262 PoC-Change-Lime Time Time 1263 Access-Network-Information OctetString 1264 Trigger Grouped 1265 Base-Time-Interval Unsigned32 1266 Envelope Grouped 1267 Envelope-End-Time Time Time 1268 Envelope-Reporting Enumerated 1269 Envelope-Start-Time Time 1270 Time-Quota-Mechanism Grouped 1271 Time-Quota-Type Enumerated 1272 Time-Quota-Type Enumerated 1272 Early-Media-Description Grouped 1273 SDP-TimeStamps Grouped 1274 SDP-Offer-Timestamp Time 1275 SDP-Answer-Timestamp Time 1275 SDP-Answer-Timestamp Time 1276 AF-Correlation-Information Grouped 1279 Offer-Charging Grouped 1279 Offer-Charging Grouped 1279 Offer-Timestamp Time 1276 AF-Correlation-Information Grouped 1279 Offer-Charging Off			
1260 Participant-Group		Enumerated	
PoC-Change-Conditions			
1262 PoC-Change-Time Time Time 1263 Access-Network-Information OctetString 1264 Tigger Grouped Unsigned32 1266 Envelope Grouped Unsigned32 1266 Envelope Grouped Grouped 1267 Envelope-Reporting Enumerated 1268 Envelope-Reporting Enumerated 1269 Envelope-Start-Time Time Time 1270 Time-Quota-Mechanism Grouped 1271 Time-Quota-Type Enumerated 1272 Early-Media-Description Grouped 1273 SDP-TimeStamps Grouped 1273 SDP-Offer-Timestamp Time 1275 SDP-Answer-Timestamp Time 1275 SDP-Answer-Timestamp Time 1276 AF-Correlation-Information Grouped 1277 PoC-Session-Initiation-type Enumerated 1279 User-Participating-Type Enumerated 1278 Unsigned32 1281 IMS-Communication-Service-Identifier UTF8String UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1281 IMS-Communication-Service-Identifier Unsigned32 1283 Number-Of-Received-Talk-Bursts Unsigned32 1285 Received-Talk-Burst-Time Unsigned32 1286 Received-Talk-Burst-Time Unsigned32 1286 Received-Talk-Burst-Time Unsigned32 1286 Received-Talk-Burst-Time Unsigned32 1286 Talk-Burst-Volume Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String UTF8String UTF8String 1400 Subscription-Data Grouped 29.272 [21] 1401 Terminal-Information Grouped 29.272 [21] 1401 Terminal-Information Grouped 1402 IMEI UTF8String Unsigned32 1406 ULA-Flags Unsigned32 1416 ULA-Flags Unsigned32 1416 Revenue Unsigned32 1416 Revenue Unsigned32 1411 Re-Synchronization-Info Grouped 1411 Immediate-Response-Prefered Unsigned32 1411 Re-Synchronization-Info Grouped 1411 Immediate-Response-Prefered Unsigned32 1411 Im			
1263 Access-Network-Information Grouped			
1264 Trigger Grouped 1265 Base-Time-Interval Unsigned32 1266 Envelope Grouped Grouped 1267 Envelope-End-Time Time Time 1268 Envelope-Start-Time Time Time 1270 Time-Quota-Mechanism Grouped 1271 Time-Quota-Mechanism Grouped 1271 Time-Quota-Mechanism Grouped 1272 Early-Media-Description Grouped 1273 SDP-Time-Stamps Grouped 1273 SDP-Time-Stamps Grouped 1273 SDP-Jime-Stamps Grouped 1274 SDP-Offer-Timestamp Time 1276 SDP-Answer-Timestamp Time 1276 SDP-Answer-Timestamp Time 1277 PoC-Session-Initiation-type Enumerated 1278 Offline-Charging Grouped 1279 User-Participating-Type Enumerated 1278 Offline-Charging Grouped 1279 User-Participating-Type Enumerated 1278 Offline-Charging Grouped 1279 User-Participating-Type Enumerated 1280 Alternate-Charged-Party-Address UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1282 Number-Of-Talk-Bursts Unsigned32 1283 Number-Of-Talk-Bursts Unsigned32 1284 Received-Talk-Burst-Volume Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Volume Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String 1400 Subscription-Data Grouped 29.272 [21] 1400 ULR-Flags Unsigned32 1410 ULR-Flags Unsigned32 1410 ULR-Flags Unsigned32 1411 More 1412 Immediate-Response-Preferred Unsigned32 1411 Re-Synchronization-Info Grouped 1412 Immediate-Response-Preferred Unsigned32 1411 E-UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1415 Unsigned32 1411 E-UTRAN-Vector Grouped 1415 Unsigned32 1411 E-UTRAN-Vecto			
1265 Base-Time-Interval Unsigned32 Envelope Grouped			
1266 Envelope Envelope Envelope Envelope-End-Time Time 1268 Envelope-Reporting Enumerated Enumerated 1269 Envelope-Reporting Enumerated 1270 Time-Quota-Mechanism Grouped 1271 Time-Quota-Mechanism Grouped 1271 Time-Quota-Type Enumerated 1272 Early-Media-Description Grouped 1273 SDP-TimeStamps Grouped 1273 SDP-JimeStamps Time 1275 SDP-Answer-Timestamp Time 1276 AF-Correlation-Information Grouped 1277 PoC-Session-Initiation-type Enumerated 1278 Offline-Charging Grouped 1279 User-Participating-Type Enumerated 1279 User-Participating-Type Enumerated 1280 Alternate-Charged-Party-Address UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1282 Number-Of-Talk-Bursts Unsigned32 1283 Number-Of-Talk-Bursts Unsigned32 1284 Received-Talk-Burst-Time Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Volume Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 1400 Subscription-Data Grouped Grouped 1401 Terminal-Information Grouped 1402 ULR-Flags Unsigned32 1403 Software-Version UTF8String 1404 QoS-Subscribed UTF8String 1405 ULR-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-UTRAN-Authentication-Info Grouped 1410 Number-Of-Requested-Vectors Unsigned32 1411 Re-Synchronization-Info Grouped 1412 Immediate-Response-Preferred Unsigned32 1413 Authentication-Info Grouped 1414 E-UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped			
1267 Envelope-Reporting			
1268 Envelope-Reporting			
1269 Envelope-Start-Time			
1270 Time-Quota-Mechanism Grouped 1271 Time-Quota-Type Enumerated 1272 Early-Media-Description Grouped 1273 SDP-TimeStamps Grouped 1274 SDP-Offer-Timestamp Time 1275 SDP-Answer-Timestamp Time 1276 AF-Correlation-Information Grouped 1277 OS-Answer-Timestamp Time 1278 Offline-Charging Grouped 1279 User-Participating-Type Enumerated 1279 User-Participating-Type Enumerated 1280 Alternate-Charged-Party-Address UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1282 Number-Of-Received-Talk-Bursts Unsigned32 1283 Number-Of-Talk-Bursts Unsigned32 1284 Received-Talk-Burst-Time Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Volume Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String 1401 Terminal-Information Grouped 1402 IME UTF8String 1403 Software-Version UTF8String 1404 QoS-Subscribed Unsigned32 1406 ULA-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-UTRAN-GERAN-Authentication-Info Grouped 1410 Requested-UTRAN-GERAN-Authentication-Info Grouped 1411 Re-Synchronization-Info Grouped 1412 Immediate-Response-Preferred Unsigned32 1413 Authentication-Info Grouped 1414 E-UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 Carear	1268 Envelope-Reporting		
1271 Time-Quota-Type			
1272 Early-Media-Description Grouped 1273 SDP-TimeStamps Grouped 1274 SDP-Offer-Timestamp Time 1275 SDP-Answer-Timestamp Time 1276 AF-Correlation-Information Grouped 1277 PoC-Session-Initiation-type Enumerated 1278 Offline-Charging Grouped 1279 User-Participating-Type Enumerated 1280 Alternate-Charged-Party-Address UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1282 Number-Of-Received-Talk-Bursts Unsigned32 1283 Number-Of-Talk-Bursts Unsigned32 1284 Received-Talk-Burst-Time Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Volume Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 1400 Subscription-Data Grouped 29.272 [21] 1401 Terminal-Information Grouped 1402 IMEI UTF8String 1403 Software-Version UTF8String 1404 QoS-Subscribed UTF8String 1405 ULR-Flags Unsigned32 1406 ULA-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-UTRAN-Authentication-Info Grouped 1410 Requested-UTRAN-GERAN-Authentication-Info Grouped 1411 Re-Synchronization-Info OctetString 1411 Re-Synchronization-Info OctetString 1411 Re-Synchronization-Info OctetString 1412 Immediate-Response-Preferred Unsigned32 1413 Authentication-Info Grouped 1414 E-UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped			
1273 SDP-TimeStamps			
1274 SDP-Offer-Timestamp			
1275 SDP-Answer-Timestamp			
1276 AF-Correlation-Information Grouped 1277 PoC-Session-Initiation-type Enumerated 1278 Offline-Charging Grouped 1279 User-Participating-Type Enumerated 1280 Alternate-Charged-Party-Address UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1282 Number-Of-Received-Talk-Bursts Unsigned32 1283 Number-Of-Talk-Bursts Unsigned32 1284 Received-Talk-Burst-Time Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Volume Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 1400 Subscription-Data Grouped 1401 Terminal-Information Grouped 1401 Terminal-Information UTF8String 1403 Software-Version UTF8String 1404 QoS-Subscribed UTF8String 1405 ULR-Flags Unsigned32 1406 ULA-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-UTRAN-Authentication-Info Grouped 1409 Requested-UTRAN-GERAN-Authentication-Info Grouped 1400 Number-Of-Requested-Vectors Unsigned32 1411 Re-Synchronization-Info Grouped 1412 Immediate-Response-Preferred Unsigned32 1413 Authentication-Info Grouped 1414 E-UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped			
1277 PoC-Session-Initiation-type Enumerated 1278 Offline-Charging Grouped 1279 User-Participating-Type Enumerated 1280 Alternate-Charged-Party-Address UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1282 Number-Of-Received-Talk-Bursts Unsigned32 1283 Number-Of-Talk-Bursts Unsigned32 1284 Received-Talk-Burst-Time Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Time Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 1400 Subscription-Data Grouped 29.272 [21] 1401 Terminal-Information Grouped UTF8String 1402 IME UTF8String 1403 Software-Version UTF8String 1404 QoS-Subscribed UTF8String 1405 ULA-Flags Unsigned32 1406 ULA-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-EUTRAN-Authentication-Info Grouped 1409 Requested-UTRAN-GERAN-Authentication-Info Grouped 1410 Re-Synchronization-Info OctetString 1411 Re-Synchronization-Info Grouped 1412 Immediate-Response-Preferred Unsigned32 1413 Authentication-Info Grouped 1414 E-UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 UTRAN-Vector Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1411 UTRAN-Vector Grouped 1416 UTRAN-Vector Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped			
1278 Offline-Charging 1279 User-Participating-Type 1280 Alternate-Charged-Party-Address 1281 IMS-Communication-Service-Identifier 1282 Number-Of-Received-Talk-Bursts 1283 Number-Of-Received-Talk-Bursts 1284 Received-Talk-Bursts 1285 Received-Talk-Burst-Time 1286 Talk-Burst-Volume 1286 Talk-Burst-Volume 1287 Talk-Burst-Volume 1288 Media-Initiator-Party 1289 Media-Initiator-Party 1290 Subscription-Data 1290 Subscription-Data 1291 IMEI 1292 IMEI 1293 Software-Version 1294 Unrestring 1295 Unre			
1279 User-Participating-Type Enumerated 1280 Alternate-Charged-Party-Address UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1282 Number-Of-Received-Talk-Bursts Unsigned32 1283 Number-Of-Talk-Bursts Unsigned32 1284 Received-Talk-Burst-Time Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Time Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String UTF8String Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 1400 Subscription-Data Grouped Grouped Grouped 1402 IMEI UTF8String UTF8String UTF8String UTF8String UTF8String 1403 Software-Version UTF8String UTF8String 1404 QoS-Subscribed UTF8String 1405 ULR-Flags Unsigned32 1406 ULA-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-EUTRAN-Authentication-Info Grouped 1409 Requested-UTRAN-GERAN-Authentication-Info Grouped 1410 Number-Of-Requested-Vectors Unsigned32 1411 Re-Synchronization-Info OctetString Immediate-Response-Preferred Unsigned32 Unsigned32 Immediate-Response-Preferred Unsigned32 Unsigned32	1277 PoC-Session-Initiation-type	Enumerated	
1280 Alternate-Charged-Party-Address UTF8String 1281 IMS-Communication-Service-Identifier UTF8String 1282 Number-Of-Received-Talk-Bursts Unsigned32 1283 Number-Of-Talk-Bursts Unsigned32 1284 Received-Talk-Burst-Time Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Time Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 1400 Subscription-Data Grouped Grouped 1401 Terminal-Information Grouped 1402 IMEI UTF8String 1403 Software-Version UTF8String 1404 QoS-Subscribed UTF8String 1405 ULR-Flags Unsigned32 1406 ULA-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-EUTRAN-Authentication-Info Grouped 1409 Requested-UTRAN-GERAN-Authentication-Info Grouped 1410 Number-Of-Requested-Vectors Unsigned32 1411 Re-Synchronization-Info OctetString 1412 Immediate-Response-Preferred Unsigned32 1413 Authentication-Info Grouped 1414 E-UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 UTRAN-Vector Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1410 UTRAN-Vector Grouped 1411 UTRAN-Vector Grouped 1412 UTRAN-Vector Grouped 1414 Grouped UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 UTRAN-Vector Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1410 UTRAN-Vector Grouped 1411 UTRAN-Vector Grouped 1412 UTRAN-Vector Grouped 1414 UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 UTRAN-Vector Grouped 1417 U	1278 Offline-Charging	Grouped	
1281 IMS-Communication-Service-Identifier	1279 User-Participating-Type	Enumerated	
1282 Number-Of-Received-Talk-Bursts	1280 Alternate-Charged-Party-Address	UTF8String	
1283 Number-Of-Talk-Bursts	1281 IMS-Communication-Service-Identifier	UTF8String	
1284 Received-Talk-Burst-Time Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Time Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 Grouped 29.272 [21] 1400 Subscription-Data Grouped 29.272 [21] 1401 Terminal-Information Grouped 1401 Terminal-Information UTF8String 1402 IMEI UTF8String UTF8String 1403 Software-Version UTF8String UTF8String 1404 QoS-Subscribed UTF8String Unsigned32 1405 ULR-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-EUTRAN-Authentication-Info Grouped 1410 Number-Of-Requested-Vectors Unsigned32 1411 Re-Synchronization-Info OctetString 1412 Immediate-Response-Preferred Unsigned32		Unsigned32	
1284 Received-Talk-Burst-Time Unsigned32 1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Time Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 Grouped 29.272 [21] 1400 Subscription-Data Grouped 29.272 [21] 1401 Terminal-Information Grouped 1401 Terminal-Information UTF8String 1402 IMEI UTF8String UTF8String 1403 Software-Version UTF8String UTF8String 1404 QoS-Subscribed UTF8String Unsigned32 1405 ULR-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-EUTRAN-Authentication-Info Grouped 1410 Number-Of-Requested-Vectors Unsigned32 1411 Re-Synchronization-Info OctetString 1412 Immediate-Response-Preferred Unsigned32	1283 Number-Of-Talk-Bursts	Unsigned32	
1285 Received-Talk-Burst-Volume Unsigned32 1286 Talk-Burst-Time Unsigned32 1287 Talk-Burst-Volume Unsigned32 1288 Media-Initiator-Party UTF8String Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 1400 Subscription-Data Grouped 1401 Terminal-Information Grouped 1402 IMEI UTF8String 1403 Software-Version UTF8String 1404 QoS-Subscribed UTF8String 1405 ULR-Flags Unsigned32 1406 ULA-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-EUTRAN-Authentication-Info Grouped 1410 Number-Of-Requested-Vectors Unsigned32 1411 Re-Synchronization-Info OctetString 1412 Immediate-Response-Preferred Unsigned32 1413 Authentication-Info Grouped 1414 E-UTRAN-Vector Grouped			
1286 Talk-Burst-TimeUnsigned321287 Talk-Burst-VolumeUnsigned321288 Media-Initiator-PartyUTF8StringNote: The AVP codes from 1289 to 1399 are reserved for TS 32.2991400 Subscription-DataGrouped1401 Terminal-InformationGrouped1402 IMEIUTF8String1403 Software-VersionUTF8String1404 QoS-SubscribedUTF8String1405 ULR-FlagsUnsigned321407 Visited PLMN IdOctetString1408 Requested-EUTRAN-Authentication-InfoGrouped1410 Number-Of-Requested-VectorsUnsigned321411 Re-Synchronization-InfoOctetString1412 Immediate-Response-PreferredUnsigned321413 Authentication-InfoGrouped1414 E-UTRAN-VectorGrouped1415 UTRAN-VectorGrouped	1285 Received-Talk-Burst-Volume		
1287 Talk-Burst-VolumeUnsigned321288 Media-Initiator-PartyUTF8StringNote: The AVP codes from 1289 to 1399 are reserved for TS 32.2991400 Subscription-DataGrouped1401 Terminal-InformationGrouped1402 IMEIUTF8String1403 Software-VersionUTF8String1404 QoS-subscribedUTF8String1405 ULR-FlagsUnsigned321406 ULA-FlagsUnsigned321407 Visited PLMN IdOctetString1408 Requested-EUTRAN-Authentication-InfoGrouped1410 Number-Of-Requested-VectorsUnsigned321411 Re-Synchronization-InfoOctetString1412 Immediate-Response-PreferredUnsigned321413 Authentication-InfoGrouped1414 E-UTRAN-VectorGrouped1415 UTRAN-VectorGrouped			
1288 Media-Initiator-Party UTF8String Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 1400 Subscription-Data Grouped 29.272 [21] 1401 Terminal-Information Grouped 1402 IMEI UTF8String 1403 Software-Version UTF8String 1404 QoS-Subscribed UTF8String 1405 ULR-Flags Unsigned32 1406 ULA-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-EUTRAN-Authentication-Info Grouped 1409 Requested-UTRAN- GERAN-Authentication-Info Grouped 1410 Number-Of-Requested-Vectors Unsigned32 1411 Re-Synchronization-Info OctetString 1412 Immediate-Response-Preferred Unsigned32 1413 Authentication-Info Grouped 1414 E-UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1410 UTRAN-Vector Grouped 1411 UTRAN-Vector Grouped 1412 UTRAN-Vector Grouped 1414 UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 UTRAN-Vector Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1410 UTRAN-Vector Grouped 1411 UTRAN-Vector Grouped 1412 UTRAN-Vector Grouped 1414 UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 UTRAN-Vector Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1410 UTRAN-Vector Grouped 1411 UTRAN-Vector Grouped 1412 UTRAN-Vector Grouped 1414 UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 UTRAN-Vector Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1410 UTRAN-Vector Grouped 1411 UTRAN-Vector Grouped 1412 UTRAN-Vector Grouped 1414 UTRAN-Vector		Ŭ	
Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299 1400 Subscription-Data Grouped 29.272 [21] 1401 Terminal-Information Grouped 1402 IMEI UTF8String 1403 Software-Version UTF8String 1404 QoS-Subscribed UTF8String 1405 ULR-Flags Unsigned32 1406 ULA-Flags Unsigned32 1407 Visited PLMN Id OctetString 1408 Requested-EUTRAN-Authentication-Info Grouped 1409 Requested-UTRAN-GERAN-Authentication-Info Grouped 1410 Number-Of-Requested-Vectors Unsigned32 1411 Re-Synchronization-Info OctetString 1412 Immediate-Response-Preferred Unsigned32 1413 Authentication-Info Grouped 1414 E-UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1410 Grouped 1411 UTRAN-Vector Grouped 1412 UTRAN-Vector Grouped 1414 UTRAN-Vector Grouped 1415 UTRAN-Vector Grouped 1416 Grouped Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1410 Grouped Grouped 1411 Grouped Grouped 1412 UTRAN-Vector Grouped 1414 Grouped Grouped 1415 UTRAN-Vector Grouped 1416 Grouped Grouped 1417 UTRAN-Vector Grouped 1418 UTRAN-Vector Grouped 1419 UTRAN-Vector Grouped 1410 UTRAN-Vector Grouped 1411 Grouped Grouped 1412 UTRAN-Vector Grouped 1414 Grouped Grouped 1415 UTRAN-Vector Grouped 1416 Grouped Grouped 1417 Grouped Grouped 1418 Grouped Grouped Grouped 1419 Grouped Grouped Grouped Grouped 1410 Grouped			
1400 Subscription-DataGrouped1401 Terminal-InformationGrouped1402 IMEIUTF8String1403 Software-VersionUTF8String1404 QoS-SubscribedUTF8String1405 ULR-FlagsUnsigned321406 ULA-FlagsUnsigned321407 Visited PLMN IdOctetString1408 Requested-EUTRAN-Authentication-InfoGrouped1409 Requested-UTRAN-GERAN-Authentication-InfoGrouped1410 Number-Of-Requested-VectorsUnsigned321411 Re-Synchronization-InfoOctetString1412 Immediate-Response-PreferredUnsigned321413 Authentication-InfoGrouped1414 E-UTRAN-VectorGrouped1415 UTRAN-VectorGrouped			
1401Terminal-InformationGrouped1402IMEIUTF8String1403Software-VersionUTF8String1404QoS-SubscribedUTF8String1405ULR-FlagsUnsigned321406ULA-FlagsUnsigned321407Visited PLMN IdOctetString1408Requested-EUTRAN-Authentication-InfoGrouped1409Requested-UTRAN- GERAN-Authentication-InfoGrouped1410Number-Of-Requested-VectorsUnsigned321411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped		Grouped	29.272 [21]
1402IMEIUTF8String1403Software-VersionUTF8String1404QoS-SubscribedUTF8String1405ULR-FlagsUnsigned321406ULA-FlagsUnsigned321407Visited PLMN IdOctetString1408Requested-EUTRAN-Authentication-InfoGrouped1409Requested-UTRAN- GERAN-Authentication-InfoGrouped1410Number-Of-Requested-VectorsUnsigned321411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1403Software-VersionUTF8String1404QoS-SubscribedUTF8String1405ULR-FlagsUnsigned321406ULA-FlagsUnsigned321407Visited PLMN IdOctetString1408Requested-EUTRAN-Authentication-InfoGrouped1409Requested-UTRAN- GERAN-Authentication-InfoGrouped1410Number-Of-Requested-VectorsUnsigned321411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1404QoS-SubscribedUTF8String1405ULR-FlagsUnsigned321406ULA-FlagsUnsigned321407Visited PLMN IdOctetString1408Requested-EUTRAN-Authentication-InfoGrouped1409Requested-UTRAN- GERAN-Authentication-InfoGrouped1410Number-Of-Requested-VectorsUnsigned321411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1405ULR-FlagsUnsigned321406ULA-FlagsUnsigned321407Visited PLMN IdOctetString1408Requested-EUTRAN-Authentication-InfoGrouped1409Requested-UTRAN- GERAN-Authentication-InfoGrouped1410Number-Of-Requested-VectorsUnsigned321411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1406ULA-FlagsUnsigned321407Visited PLMN IdOctetString1408Requested-EUTRAN-Authentication-InfoGrouped1409Requested-UTRAN- GERAN-Authentication-InfoGrouped1410Number-Of-Requested-VectorsUnsigned321411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1407Visited PLMN IdOctetString1408Requested-EUTRAN-Authentication-InfoGrouped1409Requested-UTRAN- GERAN-Authentication-InfoGrouped1410Number-Of-Requested-VectorsUnsigned321411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1408Requested-EUTRAN-Authentication-InfoGrouped1409Requested-UTRAN- GERAN-Authentication-InfoGrouped1410Number-Of-Requested-VectorsUnsigned321411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1409Requested-UTRAN- GERAN-Authentication-InfoGrouped1410Number-Of-Requested-VectorsUnsigned321411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1410Number-Of-Requested-VectorsUnsigned321411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1411Re-Synchronization-InfoOctetString1412Immediate-Response-PreferredUnsigned321413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1412 Immediate-Response-PreferredUnsigned321413 Authentication-InfoGrouped1414 E-UTRAN-VectorGrouped1415 UTRAN-VectorGrouped			
1413Authentication-InfoGrouped1414E-UTRAN-VectorGrouped1415UTRAN-VectorGrouped			
1414 E-UTRAN-VectorGrouped1415 UTRAN-VectorGrouped			
1415 UTRAN-Vector Grouped			
1416 GERAN-Vector Grouped			
	1416 GERAN-Vector	Grouped	

	Network-Access-Mode	Enumerated
1418	HPLMN-ODB	Enumerated
1419	Item-Number	Unsigned32
1420	Cancellation-Type	Enumerated
	DSR-Flags	Unsigned32
	DSA-Flags	Unsigned32
	Context-Identifier	Unsigned32
	Subscriber-Status	Enumerated
	Operator-Determined-Barring	Unsigned32
	Access-Restriction-Data	UTF8String
	APN-OI-Replacement	UTF8String
	All-APN-Configurations-Included-Indicator	Enumerated
	APN-Configuration-Profile	Grouped
1429	APN-Configuration	
		Grouped
	EPS-Subscribed-QoS-Profile	Grouped
	VPLMN-Dynamic-Address-Allowed	Enumerated
	STN-SR	OctetString
	Alert-Reason	Enumerated
	AMBR	Grouped
	CSG-Subscription-Data	Grouped
	CSG-ld	Unsigned32
	PDN-GW-Allocation-Type	Enumerated
	Expiration-Date	Time
	RAT-Frequency-Selection-Priority-ID	Unsigned32
1441	IDA-Flags	Unsigned32
1442	PUA-Flags	Unsigned32
	NOR-Flags	Unsigned32
1444	User-Id	UTF8String
	Equipment-Status	Enumerated
	Regional-Subscription-Zone-Code	OctetString
	RAND	OctetString
	XRES	OctetString
	AUTN	OctetString
	KASME	OctetString
	Reserved	
	Trace-Collection-Entity	Address
1453		OctetString
	SRES	OctetString
	Reserved	-
	PDN-Type	Enumerated
	Roaming-Restricted-Due-To-Unsupported-Feature	Enumerated
	Trace-Data Trace-Reference	Grouped OctetString
	Reserved	-
	Reserved Topog Parith	-
	Trace-Depth Trace-NE Tyro-List	Enumerated
	Trace-NE-Type-List	OctetString
	Trace-Interface-List	OctetString
	Trace-Event-List	OctetString
	OMC-Id	OctetString
	GPRS-Subscription-Data	Grouped
	Complete-Data-List-Included-Indicator	Enumerated
	PDP-Context	Grouped
	PDP-Type	OctetString
	3GPP2-MEID	OctetString
	Specific-APN-Info	Grouped
	LCS-Info	Grouped
	GMLC-Number	OctetString
	LCS-PrivacyException	Grouped
	SS-Code	OctetString
	SS-Status	OctetString
	Notification-To-UE-User	Enumerated
1479	External-Client	Grouped
1480	Client-Identity	OctetString
1481	GMLC-Restriction	Enumerated
-		

			1
1482 PLMN-Client	Enumerated		
1483 Service-Type	Grouped		
1484 ServiceTypeIdentity	Unsigned32		
1485 MO-LR	Grouped		
1486 Teleservice-List	Grouped		
1487 TS-Code	Enumerated		
1488 Call-Barring-Info	Grouped		
1489 SGSN-Number	OctetString		
1490 IDR-Flags	Unsigned32	1	
1491 ICS-Indicator	Enumerated		
1492 IMS-Voice-Over-PS-Sessions-Supported	Enumerated	1	
1493 Homogeneous-Support-of-IMS-Voice-Over-PS-Sessions	Enumerated	1	
1494 Last-UE-Activity-Time	Time	-	
1495 EPS-User-State	Grouped	-	
1496 EPS-Location-Information	Grouped	1	
		_	
1497 MME-User-State	Grouped	-	
1498 SGSN-User-State	Grouped	1	
1499 User-State	Enumerated]
4500 Non 2CDD Hoor Data	Crecina a d	-	
1500 Non-3GPP-User-Data	Grouped	4	
1501 Non-3GPP-IP-Access	Enumerated	4	
1502 Non-3GPP-IP-Access-APN	Enumerated	4	
1503 AN-Trusted	Enumerated	4	
1504 ANID	UTF8String	1	
1505 Trace-Info	Grouped]	
1506 MIP-FA-RK	OctetString		
1507 MIP-FA-RK-SPI	Unsigned32		
1508 PPR-Flags	Unsigned32		
1509 WLAN-Identifier	Grouped		
1510 TWAN-Access-Info	Grouped		
1511 Access-Authorization-Flags	Unsigned32		
1512 TWAN-Default-APN-Context-Id	Unsigned32	1	
1513 Reserved	-		
1514 Reserved	-	1	
1515 Reserved	_	29.273 [20]	
1516 Full-Network-Name	OctetString	-	
1517 Short-Network-Name	OctetString	-	
1518 AAA-Failure-Indication	Unsigned32	1	
1519 Transport-Access-Type	Enumerated	1	
		_	
1520 DER-Flags	Unsigned32	4	
1521 DEA-Flags	Unsigned32	4	
1522 RAR-Flags	Unsigned32	Á	
1523 DER-S6b-Flags	Unsigned32	4	
1524 SSID	UTF8String]	
1525 HESSID	UTF8String	1	
1526 Access-Network-Info	Grouped		
1527 TWAN-Connection-Mode	Unsigned32]	
1528 TWAN-Connectivity-Parameters	Grouped		
1529 Connectivity-Flags	Unsigned32	1	
1530 TWAN-PCÓ	OctetS	tring	
1531 TWAG-CP-Address	Addre		1
1532 TWAG-UP-Address	UTF8S		1
1533 TWAN-S2a-Failure-Cause	Unsigne		
1534 SM-Back-Off-Timer	Unsigne		1
1535 WLCP-Key	OctetS		1
318 3GPP-AAA-Server-Name	Diameter		1
1536 Origination-Time-Stamp	Unsign		}
1537 Maximum-Wait-Time	Unsigne		1
			-
1538 Emergency-Services	Unsigne		l
1539 AAR-Flags	Unsigne		1
1540 IMEI-Check-In-VPLMN-Result	Unsigne		
1541 ERP-Authorization	Unsign	ed32	
Note 4. The AVD and a form 4540 to 4500 and many differ TO 00 05			

Note 1: The AVP codes from 1542 to 1599 are reserved for TS 29.273

Note 2: The AVP 3GPP-AAA-Server-Name was originally defined in 3GPP TS 29.234 and is now defined in 3GPP TS 29.273 from Rel-12.

1600 MME-Location-Information	Grouped	
1601 SGSN-Location-Information	Grouped	
1602 E-UTRAN-Cell-Global-Identity	OctetString	
1603 Tracking-Area-Identity	OctetString	
1604 Cell-Global-Identity	OctetString	
1605 Routing-Area-Identity	OctetString	
1606 Location-Area-Identity	OctetString	
1607 Service-Area-Identity	OctetString	
1608 Geographical-Information	OctetString	
1609 Geodetic-Information	OctetString	
1610 Current-Location-Retrieved	Enumerated	
1611 Age-Of-Location-Information 1612 Active-APN	Unsigned32 Grouped	
1613 SIPTO-Permission	Enumerated	
1614 Error-Diagnostic	Enumerated	
1615 UE-SRVCC-Capability	Enumerated	
1616 MPS-Priority	Unsigned32	
1617 VPLMN-LIPA-Allowed	Enumerated	
1618 LIPA-Permission	Enumerated	
1619 Subscribed-Periodic-RAU-TAU-Timer	Unsigned32	
1620 Ext-PDP-Type	OctetString	
1621 Ext-PDP-Address	Address	
1622 MDT-Configuration	Grouped	
1623 Job-Type	Enumerated	
1624 Area-Scope	Grouped	
1625 List-Of-Measurements	Unsigned32	
1626 Reporting-Trigger 1627 Report-Interval	Unsigned32 Enumerated	
1628 Report-Amount	Enumerated	
1629 Event-ThresholdRSRP	Unsigned32	
1630 Event-ThresholdRSRQ	Unsigned32	
1631 Logging-Interval	Enumerated	
1632 Logging-Duration	Enumerated 2	9.272
1633 Relay-Node-Indicator	Enumerated	[21]
1634 MDT-User-Consent	Enumerated	
1635 PUR-Flags	Unsigned32	
1636 Subscribed-VSRVCC	Enumerated	
1637 Equivalent-PLMN-List	Grouped	
1638 CLR-Flags	Unsigned32	
1639 UVR-Flags	Unsigned32	
1640 UVA-Flags 1641 VPLMN-CSG-Subscription-Data	Unsigned32 Grouped	
1642 Time-Zone	UTF8String	
1643 A-MSISDN	OctetString	
1644 Reserved	-	
1645 MME-Number-for-MT-SMS	OctetString	
1646 Reserved	-	
1647 Reserved	-	
1648 SMS-Register-Request	Enumerated	
1649 Local-Time-Zone	Grouped	
1650 Daylight-Saving-Time	Enumerated	
1651 GMLC-Info	Grouped	
1652 GMLC-Name	DiameterIdentity DiameterIdentity	
1653 GMLC-Realm	DiameterIdentity	
1654 Subscription-Data-Flags 1655 Measurement-Period-LTE	Unsigned32 Enumerated	
1656 Measurement-Period-LTE	Enumerated Enumerated	
1657 Collection-Period-RRM-LTE	Enumerated	
1658 Collection-Period-RRM-UMTS	Enumerated	
1659 Positioning-Method	OctetString	
1660 Measurement-Quantity	OctetString	
1661 Event-Threshold-Event-1F	Integer32	
1662 Event-Threshold-Event-1I	Integer32	
1663 Restoration-Priority	Unsigned32	
1664 SGs-MME-Identity	UTF8String	

1665 CIDTO Local Naturals Darminsion	Unaigna d22	T
1665 SIPTO-Local-Network-Permission	Unsigned32	4
1666 Coupled-Node-Diameter-ID	DiameterIdentity	4
1667 WLAN-offloadability	Grouped	4
1668 WLAN-offloadability-EUTRAN	Unsigned32	4
1669 WLAN-offloadability-UTRAN	Unsigned32	4
1670 Reset-ID	OctetString	4
1671 MDT-Allowed-PLMN-Id	OctetString	4
1672 Adjacent-PLMNs	Grouped	4
1673 Adjacent-Access-Restriction-Data	Grouped	
1674 DL-Buffering-Suggested-Packet-Count	Integer32	4
1675 IMSI-Group-Id	Grouped	_
1676 Group-Service-Id	Unsigned32	
1677 Group-PLMN-Id	OctetString	
1678 Local-Group-Id	OctetString	
1679 AIR-Flags	Unsigned32	<u> </u>
1680 UE-Usage-Type	Unsigned32	1
1681 Non-IP-PDN-Type-Indicator	Enumerated	
1682 Non-IP-Data-Delivery-Mechanism	Unsigned32	
1683 Additional-Context-Identifier	Unsigned32	
1684 SCEF-Realm	DiameterIdentity	
1685 Subscription-Data-Deletion	Grouped	
1686 Preferred-Data-Mode	Unsigned32	
1687 Emergency-Info	Grouped	
1688 V2X-Subscription-Data	Grouped]
1689 V2X-Permission	Unsigned32	1
1690 PDN-Connection-Continuity	Unsigned32	1
1691 eDRX-Cycle-Length	Grouped	1
1692 eDRX-Cycle-Length-Value	OctetString	1
1693 UE-PC5-AMBR	Unsigned32	1
1694 MBSFN-Area	Grouped	1
1695 MBSFN-Area-ID	Unsigned32	1
1696 Carrier-Frequency	Unsigned32	1
1697 RDS-Indicator	Enumerated	1
1698 Reserved	Endinorated	
1699 Reserved		
1700 Reserved		
1701 Reserved		
1701 Reserved		
1703 Reserved		
1704 Reserved		
1704 Reserved 1705 eDRX-Related-RAT	Grouped	
Note: The AVP codes from 1706 to 1699 are reserved for TS 29.272.	Grouped	
2000 SMS-Information	Grouped	1
		-
2001 Data-Coding-Scheme 2002 Destination-Interface	Integer32	-
	Grouped	-
2003 Interface-Id	UTF8String	4
2004 Interface-Port	UTF8String	4
2005 Interface-Text	UTF8String	4
2006 Interface-Type	Enumerated	4
2007 SM-Message-Type	Enumerated	4
2008 Originating-SCCP-Address	Address	4
2009 Originator-Interface	Grouped	4
2010 Recipient-SCCP-Address	Address	32.299
2011 Reply-Path-Requested	Enumerated	[5]
2012 SM-Discharge-Time	Time	["
2013 SM-Protocol-ID	OctetString	<u> </u>
2014 SM-Status	OctetString	
2015 SM-User-Data-Header	OctetString	_
2016 SMS-Node	Enumerated	_
2017 SMSC-Address	Address	
2018 Client-Address	Address	
2019 Number-of-Messages-Sent	Unsigned32]
2020 Low-Balance-Indication	Enumerated]
2021 Remaining-Balance	Grouped	1
2022 Refund-Information	OctetString	1
		1

2023 Carrier-Select-Routing-Information	UTF8String	
2024 Number-Portability-Routing-Information	UTF8String	
2025 PoC-Event-Type	Enumerated	
2026 Recipient-Info	Grouped	
2027 Originator-Received-Address	Grouped	
2028 Recipient-Received-Address	Grouped	
2029 SM-Service-Type	Enumerated	
2030 MMTel-Information	Grouped	
2031 MMTel-Sservice-Type	Unsigned32	
2032 Service-Mode	Unsigned32	
2033 Subscriber-Role	Enumerated	
2034 Number-Of-Diversions	Unsigned32	
2035 Associated-Party-Address	UTF8String	
2036 SDP-Type	Enumerated	
2037 Change-Condition	Integer32	
2038 Change-Time	Time	
2039 Diagnostics	Integer32	
2040 Service-Data-Container	Grouped	
2041 Start-Time	Time	
2042 Stop-Time	Time	
2043 Time-First-Usage	Time	
2044 Time-Last-Usage	Time	
2045 Time-Usage	Unsigned32	
2046 Traffic-Data-Volumes	Grouped	
2047 Serving-Node-Type	Enumerated	
2048 Supplementary-Service	Grouped	
2049 Participant-Action-Type	Enumerated	
2050 PDN-Connection-Charging-ID	Unsigned32	
2050 P DN-Connection-Charging-ID	Enumerated	
2051 Dynamic-Address-Flag 2052 Accumulated-Cost	Grouped	
2052 Accumulated-Cost 2053 AoC-Cost-Information		
	Grouped	
2054 AoC-Information	Grouped	
2055 AoC-Request-Type	Enumerated	
2056 Current-Tariff	Grouped	
2057 Next-Tariff	Grouped	
2058 Rate-Element	Grouped	
2059 Scale-Factor	Grouped	
2060 Tariff-Information	Grouped	
2061 Unit-Cost	Grouped	
2062 Incremental-Cost	Grouped	
2063 Local-Sequence-Number	Unsigned32	
2064 Node-Id	UTF8String	
2065 SGW-Change	Enumerated	
2066 Charging-Characteristic-Selection-Mode	Enumerated	
2067 SGW-Address	Address	
2068 Dynamic-Address-Flag-Extension	Enumerated	
Note: The AVP codes from 2069 to 2099 are reserved for TS 32.299.		
2100 reserved	-	
2101 Application-Server-ID	UTF8String	
2102 Application-Service-Type	Enumerated	
2103 Application-Session-ID	Unsigned32	
2104 Delivery-Status	UTF8String	
2105 reserved	-	
2106 reserved	_	
2107 reserved	_	
2108 reserved	-	32.299
2109 reserved	-	
2110 IM-Information	- Grouped	[5]
2111 Number-Of-Messages-Successfully-Exploded	Unsigned32	
2112 Number-Of-Messages-Successfully-Sent	Unsigned32	
2113 Total-Number-Of-Messages-Exploded	Unsigned32	
2114 Total-Number-Of-Messages-Sent	Unsigned32	
2115 DCD-Information	Grouped	
2116 Content-ID	UTF8String	
2117 Content-provider-ID	UTF8String	

OAAO Obassa Daacas Oada	En constant	
2118 Charge-Reason-Code Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.	Enumerated	
2200 Subsession-Decision-Info	Crouped	
2201 Subsession-Decision-Info	Grouped Grouped	
2201 Subsession-Emolecment-inio	Unsigned32	
2203 Subsession-Operation	Enumerated	
2204 Multiple-BBERF-Action	Enumerated	29.215
2205 UE-Local-IPv6-Prefix	OctetString	[22]
2206 DRA-Deployment	Enumerated	
2207 PCRF-Address	DiameterIdentity	
2208 DRA-Binding	Enumerated	
Note: The AVP codes from 2209 to 2299 are reserved for TS 29.215.	Lituillelated	
2300 reserved	_	
2301 SIP-Request-Timestamp-Fraction	Unsigned32	
2302 SIP-Response-Timestamp-Fraction	Unsigned32	
2303 Online-Charging-Flag	Enumerated	
2304 CUG-Information	OctetString	
2305 Real-Time-Tariff-Information	Grouped	
2306 Tariff-XML	UTF8String	
2307 MBMS GW-Address	Address	
2308 IMSI-Unauthenticated-Flag	Enumerated	
2309 Account-Expiration	Time	
2310 AoC-Format	Enumerated	
2311 AoC-Service	Enumerated	32,299
2312 AoC-Service-Obligatory-Type	Grouped	[5]
2313 AoC-Service-Type	Enumerated	[-]
2314 AoC-Subscription-Information	Grouped	
2315 Preferred-AoC-Currency	Unsigned32	
2316 Reserved	-	
2317 CSG-Access-Mode	Enumerated	
2318 CSG-Membership-Indication	Enumerated	
2319 User-CSG-Information	Grouped	
2320 Outgoing-Session-Id	UTF8String	
2321 Initial-IMS-Charging-Identifier	UTF8String	
2322 IMS-Emergency-Indicator	Enumerated	
2323 MBMS-Charged-Party	Enumerated	
Note: The AVP codes from 2324 to 2399 are reserved for TS 32.299.		
2400 LMSI	OctetString	
2401 Serving-Node	Grouped	
2402 MME-Name	DiameterIdentity	
2403 MSC-Number	OctetString	
2404 LCS-Capabilities-Sets	Unsigned32	
2405 GMLC-Address	Address	29.173
2406 Additional-Serving-Node	Grouped	[25]
2407 PPR-Address	Address	
2408 MME-Realm	Diameteridentity	
	DiameterIdentity	
2409 SGSN-Name	DiameterIdentity	
2409 SGSN-Name 2410 SGSN-Realm	DiameterIdentity DiameterIdentity	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags	DiameterIdentity	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173.	DiameterIdentity DiameterIdentity Unsigned32	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type	DiameterIdentity DiameterIdentity Unsigned32 Enumerated	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority 2504 LCS-QoS	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32 Grouped	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority 2504 LCS-QoS 2505 Horizontal-Accuracy	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32 Grouped Unsigned32 Grouped Unsigned32	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority 2504 LCS-QoS 2505 Horizontal-Accuracy	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32	29.172
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority 2504 LCS-QoS 2505 Horizontal-Accuracy 2506 Vertical-Accuracy 2507 Vertical-Requested	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Enumerated	29.172
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority 2504 LCS-QoS 2505 Horizontal-Accuracy 2506 Vertical-Accuracy 2507 Vertical-Requested 2508 Velocity-Requested	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Enumerated Enumerated	29.172 [24]
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority 2504 LCS-QoS 2505 Horizontal-Accuracy 2506 Vertical-Accuracy 2507 Vertical-Requested 2508 Velocity-Requested 2509 Response-Time	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Enumerated Enumerated Enumerated	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority 2504 LCS-QoS 2505 Horizontal-Accuracy 2506 Vertical-Accuracy 2507 Vertical-Requested 2508 Velocity-Requested 2509 Response-Time 2510 Supported-GAD-Shapes	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Enumerated Enumerated Enumerated Unsigned32	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority 2504 LCS-QoS 2505 Horizontal-Accuracy 2506 Vertical-Accuracy 2507 Vertical-Requested 2508 Velocity-Requested 2509 Response-Time 2510 Supported-GAD-Shapes 2511 LCS-Codeword	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Enumerated Enumerated Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority 2504 LCS-QoS 2505 Horizontal-Accuracy 2506 Vertical-Accuracy 2507 Vertical-Requested 2508 Velocity-Requested 2509 Response-Time 2510 Supported-GAD-Shapes 2511 LCS-Codeword 2512 LCS-Privacy-Check	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Enumerated Enumerated Enumerated Unsigned32 Enumerated Enumerated Enumerated Enumerated Enumerated Unsigned32 UTF8String Enumerated	
2409 SGSN-Name 2410 SGSN-Realm 2411 RIA-Flags Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173. 2500 SLg-Location-Type 2501 LCS-EPS-Client-Name 2502 LCS-Requestor-Name 2503 LCS-Priority 2504 LCS-QoS 2505 Horizontal-Accuracy 2506 Vertical-Accuracy 2507 Vertical-Requested 2508 Velocity-Requested 2509 Response-Time 2510 Supported-GAD-Shapes 2511 LCS-Codeword	DiameterIdentity DiameterIdentity Unsigned32 Enumerated Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Enumerated Enumerated Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String	

		1
2515 Velocity-Estimate	OctetString	
2516 EUTRAN-Positioning-Data	OctetString	
2517 ECGI	OctetString	
2518 Location-Event	Enumerated	
2519 Pseudonym-Indicator	Enumerated	
2520 LCS-Service-Type-ID	Unsigned32	
2521 LCS-Privacy-Check-Non-Session	Grouped	
2522 LCS-Privacy-Check-Session	Grouped	
2523 LCS-QoS-Class	Enumerated	
2524 GERAN-Positioning-Info	Grouped	
2525 GERAN-Positioning-Data	OctetString	
2526 GERAN-GANSS-Positioning-Data	OctetString	
2527 UTRAN-Positioning-Info	Grouped	
2528 UTRAN-Positioning-Data	OctetString	
		+
2529 UTRAN-GANSS-Positioning-Data	OctetString	1
2530 LRR-Flags	Unsigned32	
2531 LCS-Reference-Number	OctetString	
2532 Deferred-Location-Type	Unsigned32	
2533 Area-Event-Info	Grouped	
2534 Area-Definition	Grouped	1
2535 Area	Grouped	1
2536 Area-Type	Unsigned32	1
2537 Area-Identification	Grouped	-
2538 Occurrence-Info	Enumerated	1
2539 Interval-Time	Unsigned32	
2540 Periodic-LDR-Information	Grouped	
2541 Reporting-Amount	Unsigned32	
2542 Reporting-Interval	Unsigned32	
2543 Reporting-PLMN-List	Grouped	1
2544 PLMN-ID-List	Grouped	+
		1
2545 PLR-Flags	Unsigned32	
2546 PLA-Flags	Unsigned32	
2547 Deferred-MT-LR-Data	Grouped	
2548 Termination-Cause	Unsigned32	
2549 LRA-Flags	Unsigned32	1
2550 Periodic-Location-Support-Indicator	Enumerated	1
2551 Prioritized-List-Indicator	Enumerated	
2552 ESMLC-Cell-Info	Grouped	
2553 Cell-Portion-ID	Unsigned32	
2554 1xRTT-RCID	OctetString	
2555 Delayed-Location-Reporting-Data	Grouped	
2556 Civic-Address	UTF8String	
2557 Barometric-Pressure	Unsigned32	
2558 UTRAN-Additional-Positioning-Data	OctetString	1
2559 Motion-Event-Info	Grouped	-
2560 Linear-Distance	Unsigned32	
2561 Maximum-Interval	Unsigned32	
2562 Sampling-Interval	Unsigned32]
2563 Reporting-Duration	Unsigned32	
2564 Reporting-Location-Requirements	Unsigned32	
2565 Additional-Area	Grouped	1
Note: The AVP codes from 2566 to 2599 are reserved for TS 29.172.	Отоирои	<u> </u>
2600 reserved	-	-
2601 IMS-Application-Reference-Identifier	UTF8String	
2602 Low-Priority-Indicator	Enumerated	32.299
2603 IP-Realm-Default-Indicator	Enumerated	
2604 Local-GW-Inserted-Indicator	Enumerated	[5]
2605 Transcoder-Inserted-Indicator	Enumerated	1
2606 PDP-Address-Prefix-Length	Unsigned32	
Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.	Onoignodoz	<u> </u>
2700 Reserved	-	
2701 Transit-IOI-List	UTF8String	32.299
2702 Status-AS-Code	Enumerated	[5]
2703 NNI-Information	Grouped	[اد]
2704 NNI-Type	Enumerated	

0705 N : 11 N 1 A 11	A 1.1	1
2705 Neighbour-Node-Address	Address	4
2706 Relationship-Mode	Enumerated	_
2707 Session-Direction	Enumerated	_
2708 From-Address	UTF8String	_
2709 Access-Transfer-Information	Grouped	
2710 Access-Transfer-Type	Enumerated	
2711 Related-IMS-Charging-Identifier	UTF8String	
2712 Related-IMS-Charging-Identifier-Node	Address	
2713 IMS-Visited-Network-Identifier	UTF8String	
2714 TWAN-User-Location-Info	Grouped	1
2715 Reserved	-	
2716 BSSID	UTF8String	7
2717 TAD-Identifier	Enumerated	-
Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.	Enumerated	
2800 Reserved		1
2801 ADC-Revalidation-Time	Time	+
	Time	=
2802 TDF-Application-Instance-Identifier	OctetString	4
2803 HeNB-BBF-FQDN	UTF8String	4
2804 HeNB-Local-IP-Address	Address	_
2805 UE-Local-IP-Address	Address	
2806 UDP-Source-Port	Unsigned32	
2807 CS-Service-Qos-Request-Identifier	OctetString	1
2808 CS-Service-QoS-Request-Operation	Enumerated	
2809 Mute-Notification	Enumerated	1
2810 Monitoring-Time	Time	
2811 AN-GW-Status	Enumerated	-
2812 User-Location-Info-Time	Grouped	+
		4
2813 CS-Service-Resource-Report	Time	4
2814 CS-Service-Resource-Failure-Cause	Enumerated	4
2815 CS-Service-Resource-Result-Operation	Enumerated	_
2816 Default-QoS-Information	Grouped	
2817 Default-QoS-Name	UTF8String	
2818 Conditional-APN-Aggregate-Max-Bitrate	Grouped	
2819 RAN-NAS-Release-Cause	OctetString	
2820 Presence-Reporting-Area-Elements-List	OctetString	7
2821 Presence-Reporting-Area-Identifier	OctetString	
2822 Presence-Reporting-Area-Information	Grouped	
2823 Presence-Reporting-Area-Status	Unsigned32	29.212
2824 NetLoc-Access-Support	Unsigned32	[19]
2825 Fixed-User-Location-Info	Grouped	
		+
2826 PCSCF-Restoration-Indication	Unsigned32	=
2827 IP-CAN-Session-Charging-Scope	Enumerated	
2828 Monitoring-Flags	Unsigned32	4
2829 Default-Access	Enumerated	_
2830 NBIFOM-Mode	Enumerated	
2831 NBIFOM-Support	Enumerated	
2832 RAN-Rule-Support	Unsigned32	
2833 Access-Availability-Change-Reason	Unsigned32	
2834 Routing-Rule-Failure-Code	Unsigned32	7
2835 Routing-Rule-Report	Grouped	7
2836 Traffic-Steering-Policy-Identifier-DL	OctetString	1
2837 Traffic-Steering-Policy-Identifier-UL	OctetString	=
2838 Request-Type		\dashv
	Unsigned32	+
2839 Execution-Time	Time	4
2840 Conditional-Policy-Information	Grouped	-
2841 Resource-Release-Notification	Enumerated	4
2842 Removal-Of-Access	Enumerated	4
2843 TCP-Source-Port	Unsigned32	
2844 Default-Bearer-Indication	Enumerated	_
2845 PRA-Install	Grouped	
2846 PRA-Remove		
	Grouped	
	Grouped	
2847 3GPP-PS-Data-Off-Status		
2847 3GPP-PS-Data-Off-Status Note: The AVP codes from 2848 to 2899 are reserved for TS 29.212.	Grouped	29 210
2847 3GPP-PS-Data-Off-Status	Grouped	29.219

2902 Policy-Counter-Status	UTF8String	
2903 Policy-Counter-Status-Report	Grouped	
2904 SL-Request-Type	Enumerated	
2905 Pending-Policy-Counter-Information	Grouped	
2906 Pending-Policy-Counter-Change-Time	Time	
Note: The AVP codes from 2907 to 2999 are reserved for TS 29.21		
3000 reserved	- -	
3001 Device-Action	Grouped	
3002 Device-Notification	Grouped	
3003 Trigger-Data	Grouped	
3004 Payload	OctetString	
3005 Action-Type	Enumerated	
3006 Priority-Indication	Enumerated	29.368
3007 Reference-Number	Unsigned32	[27]
3008 Request-Status	Enumerated	
3009 Delivery-Outcome	Enumerated	
3010 Application-Port-Identifier	Unsigned32	
3011 Old-Reference-Number	Unsigned32	
3012 Feature-Supported-In-Final-Target	Unsigned32	
Note: The AVP codes from 3013 to 3099 are reserved for TS 29.36		
3100 IP-SM-GW-Number	o. OctetString	
3100 IP-SM-GW-Name	DiameterIdentity	
3102 User-Identifier	Grouped	
3103 Service-ID	Enumerated	
3104 SCS-Identity	OctetString	
3105 Service-Parameters	Grouped	
3106 T4-Parameters	Grouped	
3107 Service-Data	Grouped	
3108 T4-Data	Grouped	
3109 HSS-Cause	Unsigned32	
3110 SIR-Flags	Unsigned32	
3111 External-Identifier	UTF8String	
3112 IP-SM-GW-Realm	DiameterIdentity	
3113 AESE-Communication-Pattern	Grouped	
3114 Communication-Pattern-Set	Grouped	
3115 Periodic-Communication-Indicator	Unsigned32	
3116 Communication-Duration-Time	Unsigned32	
3117 Periodic-Time	Unsigned32	
3118 Scheduled-Communication-Time	Grouped	
3119 Stationary-Indication	Unsigned32	
3120 AESE-Communication-Pattern-Config-Status	Grouped	
3121 AESE-Error-Report	Grouped	
3122 Monitoring-Event-Configuration	Grouped	29.336
3123 Monitoring-Event-Configuration	Grouped	[28]
3124 SCEF-Reference-ID	Unsigned32	
3125 SCEF-ID	DiameterIdentity	
3126 SCEF-ID 3126 SCEF-Reference-ID-for-Deletion	Unsigned32	
3127 Monitoring-Type	Unsigned32	
3128 Maximum-Number-of-Reports	Unsigned32	
3129 UE-Reachability-Configuration	Grouped	
3130 Monitoring-Duration	Time	
3131 Maximum-Detection-Time	Unsigned32	
3132 Reachability-Type	Unsigned32	
3132 Reachability-Type 3133 Maximum-Latency	Unsigned32 Unsigned32	
3134 Maximum-Response-Time	Unsigned32 Unsigned32	
3135 Location-Information-Configuration	Grouped	
3136 MONTE-Location-Type	Unsigned32	
3137 Accuracy	Unsigned32	
3138 Association-Type	Unsigned32	
	Unsigned32 Unsigned32	
3139 Roaming-Information		
3140 Reachability-Information	Unsigned32	
3141 IMEI-Change	Unsigned32	
3141 IMEI-Change 3142 Monitoring-Event-Config-Status	Unsigned32 Grouped	
3141 IMEI-Change	Unsigned32	

OLUE OID EL	11 : 100	<u> </u>
3145 CIR-Flags	Unsigned32	
3146 Service-Result	Grouped	
3147 Service-Result-Code	Unsigned32	
3148 Reference-ID-Validity-Time	Time	
3149 Event-handling	Unsigned32	
3150 NIDD-Authorization-Request	Grouped	
3151 NIDD-Authorization-Response	Grouped	
3152 Service-Report	Grouped	
3153 Node-Type	Unsigned32	
3154 S6t-HSS-Cause	Unsigned32	
3155 Enhanced-Coverage-Restriction	Grouped	
3156 Enhanced-Coverage-Restriction-Data	Grouped	
3157 Restricted-PLMN-List	Grouped	
3158 Allowed-PLMN-List	Grouped	
3159 Requested-Validity-Time	Time	
3160 Granted-Validity-Time	Time	
3161 NIDD-Authorization-Update	Grouped	
3162 Loss-Of-Connectivity-Reason	Unsigned32	
3163 Group-Reporting-Guard-Timer	Unsigned32	
3164 CIA-Flags	Unsigned32	
3165 Group-Monitoring-Event-Report	Grouped	
3166 Group-Monitoring-Event-Report-Item	Grouped	
3167 RIR-Flags	Unsigned32	
3168 Type-Of-External-Identifier	Unsigned32	
3169 APN-Validity-Time	Grouped	
Note: The AVP codes from 3170 to 3199 are reserved for TS 29.336.	•	•
3200 SM-Delivery-Outcome-T4	Enumerated	
3201 Absent-Subscriber-Diagnostic-T4	Enumerated	29.337
3202 Trigger-Action	Unsigned32	[29]
3203 MTC-Error-Diagnostic	Unsigned32	
Note: The AVP codes from 3204 to 3299 are reserved for TS 29.337.	Unsigned 32	
3300 SC-Address	Octot String	
	OctetString	
3301 SM-RP-UI	OctetString	
3302 TFR-Flags	Unsigned32	
3303 SM-Delivery- Failure-Cause	Grouped	
3304 SM-Enumerated-Delivery-Failure-Cause	Enumerated	
3305 SM-Diagnostic-Info	OctetString	
3306 SM-Delivery-Timer	Unsigned32	
3307 SM-Delivery-Start-Time	Time	
3308 SM-RP-MTI	Enumerated	
3309 SM-RP-SMEA	OctetString	
3310 SRR-Flags	Unsigned32	
3311 SM-Delivery-Not-Intended	Enumerated	
3312 MWD-Status	Unsigned32	
3313 MME-Absent-User-Subscriber-Diagnostic-SM	Unsigned32	
3314 MSC-Absent-User-Subscriber-Diagnostic-SM	Unsigned32	
3315 SGSN-Absent-User-Subscriber-Diagnostic SM	Unsigned32	
3316 SM-Delivery-Outcome	Grouped	29.338
3317 MME-SM-Delivery-Outcome	Grouped	[30]
3318 MSC-SM-Delivery-Outcome	Grouped	ال
3319 SGSN-SM-Delivery-Outcome	Grouped	
3320 IP-SM-GW-SM-Delivery-Outcome	Grouped	
3321 SM-Delivery-Cause	Enumerated	
3322 Absent-User-Diagnostic-SM	Unsigned32	
3323 RDR-Flags	Unsigned32	
3324 SMSMI-Correlation-ID	Unsigned32	
3325 HSS-ID	UTF8String	
3326 Originating-SIP-URI	UTF8String	
3327 Destination-SIP-URI	UTF8String	
3328 OFR-Flags	Unsigned32	
3329 Maximum-UE-Availability-Time		
13329 IIVIAXIIIIUIII-UE-AVAIIADIIIIV- IIIIIE	Time	
	Time Time	
3330 Maximum-Retransmission-Time	Time	
3330 Maximum-Retransmission-Time 3331 Requested-Retransmission-Time	Time Time	
3330 Maximum-Retransmission-Time	Time	

Note: The AVP codes from 3334 to 3399 are reserved for TS 29.338.
Instance-Id
3401 Route-Header-Received UTF8String 3405 SM-Device-Trigger-Information Grouped 3406 MTC-IWF-Address Address Addres
3405 SM-Device-Trigger-Information Grouped
SM-Device-Trigger-Information
Address Address Address Address Address Address SM-Device-Trigger-Indicator Enumerated SM-Device-Trigger-Indicator Enumerated SM-Device-Trigger-Indicator Unsigned32 SM-Sequence-Number Unsigned32 SM-Sequence-Number Unsigned32 SM-Sequence-Number Unsigned32 SM-Sequence-Number Unsigned32 SM-Device-Code Grouped Said Device-Code Grouped Said Service-Code Grouped Group
SMS-Result Unsigned32
3410 VCS-Information Grouped
3411 Basic-Service-Code Grouped
3411 Basic-Service-Code 3412 Bearer-Capability 3413 Teleservice 3414 ISUP-Location-Number 3416 ISUP-Release-Cause 3416 ISUP-Release-Cause 3417 MSC-Address 3418 Network-Call-Reference-Number 3419 Start-of-Charging 3410 CN-Operator-Selection-Entity 3410 CN-Operator-Selection-Entity 3420 VLR-Number 3421 ISUP-Cause-Diagnostics 3422 ISUP-Cause-Docation 3423 ISUP-Cause-Location 3424 ISUP-Cause-Value 3425 EPDG-Address 3426 Announcing-UE-HPLMN-Identifier 3427 Announcing-UE-VPLMN-Identifier 3428 Coverage-Status 3429 Layer-2-Group-ID 3430 Monitoring-UE-HPLMN-Identifier 3431 Monitoring-UE-HPLMN-Identifier 3432 Monitoring-UE-Identifier 3433 Monitoring-UE-Identifier 3434 Monitoring-UE-Identifier 3435 ProSe-PC3-EPC-Control-Protocol-Cause 3436 Requested-PLMN-Identifier 3437 Requested-PLMN-Identifier 3438 Relo-Ol-ProSe-PC-Inction 3439 Usage-Information-Report-Sequence-Number 3440 Integer32 3441 ProSe-Direct-Discovery-Model 3442 ProSe-Function Integer32 3444 ProSe-Function-Prodedess 3445 ProSe-Function-Prodedess 3446 ProSe-Function-Prodedess 3447 Prose-Function-Prodedess 3448 Prose-Function-Prodedess 3449 Prose-Function-Prodedess 3440 Prose-Function-Prodedess
Bearer-Capability
3413 Teleservice
SUP-Location-Number OctetString
Section Sect
SUP-Release-Cause Unsigned32
3417 MSC-Address
State Stat
Start-of-Charging Time 3420 VLR-Number OctelString 3421 CN-Operator-Selection-Entity Enumerated 3422 ISUP-Cause-Diagnostics OctelString 3423 ISUP-Cause-Diagnostics OctelString 3424 ISUP-Cause-Location Unsigned32 3424 ISUP-Cause-Value Unsigned32 3425 EPDG-Address Address Announcing-UE-IPLMN-Identifier UTF8String 3426 Coverage-Status Enumerated UTF8String 3428 Coverage-Status Enumerated OctelString 3430 Monitoring-UE-VPLMN-Identifier UTF8String 3431 Monitoring-UE-IPLMN-Identifier UTF8String 3432 Monitoring-UE-IPLMN-Identifier UTF8String 3433 Monitoring-UE-VPLMN-Identifier UTF8String 3434 ProSe-PC3-Control-Protocol-Cause Integer32 3435 ProSe-PC3-EPC-Control-Protocol-Cause Integer32 3436 Requested-PLMN-Identifier UTF8String 3437 Requestor-PLMN-Identifier UTF8String 3438 Role-Of-ProSe-Function Enumerated 3439 Usage-Information-Report-Sequence-Number Integer32 3440 ProSe-3rd-Party-Application-ID UTF8String 3441 ProSe-Direct-Communication-Transmission-Data-Container Grouped Grou
3420 VLR-Number OctetString
SA21 CN-Operator-Selection-Entity Enumerated
3422 ISUP-Cause-Diagnostics OctetString 3423 ISUP-Cause-Location Unsigned32 3424 ISUP-Cause-Value Unsigned32 3425 EPDG-Address Address 3426 Announcing-UE-HPLMN-Identifier UTF8String 3427 Announcing-UE-VPLMN-Identifier UTF8String 3428 Coverage-Status Enumerated 3429 Layer-2-Group-ID OctetString 3430 Monitoring-UE-HPLMN-Identifier UTF8String 3431 Monitoring-UE-HPLMN-Identifier UTF8String 3432 Monitoring-UE-Identifier UTF8String 3433 Monitoring-UE-VPLMN-Identifier UTF8String 3434 ProSe-PC3-Control-Protocol-Cause Integer32 3435 ProSe-PC3-EPC-Control-Protocol-Cause Integer32 3436 Requested-PLMN-Identifier UTF8String 3437 Requestor-PLMN-Identifier UTF8String 3438 Role-Of-ProSe-Function Enumerated 3439 Usage-Information-Report-Sequence-Number Integer32 3440 ProSe-3rd-Party-Application-ID UTF8String 3441 ProSe-Direct-Communication-Transmission-Data-Container Grouped 3442 ProSe-Direct-Discovery-Model Enumerated 3443 ProSe-Event-Type Enumerated 3444 ProSe-Function-IP-Address Address 3445 ProSe-Functionality Enumerated 3445 ProSe-Functionality Enumerated 3446 ProSe-Function-IIP-Address Address 3447 ProSe-Functionality Enumerated 3448 ProSe-Functionality Enumerated 3449 ProSe-Functionality Enumerated 3440 ProSe-Functionality Enumerated 3441 ProSe-Functionality Enumerated 3442 ProSe-Functionality Enumerated 3443 ProSe-Functionality Enumerated 3444 ProSe-Functionality Enumerated 3445 ProSe-Functionality Enumerated 3446 ProSe-Functionality Enumerated 3447 ProSe-Functionality Enumerated 3448 ProSe-Functionality Enumerated 3449 ProSe-Functionality Enumerated 3440 ProSe-Functionality Enumerated 3441 ProSe-Functionality Enumerated 3442 ProSe-Functionality Enumerated 3444 ProSe-Functionality Enu
3423 ISUP-Cause-Location Unsigned32 3424 ISUP-Cause-Value Unsigned32 3425 EPDG-Address Address 3426 Announcing-UE-HPLMN-Identifier UTF8String 3427 Announcing-UE-VPLMN-Identifier UTF8String 3428 Coverage-Status Enumerated 3429 Layer-2-Group-ID OctetString 3430 Monitoried-PLMN-Identifier UTF8String 3431 Monitoring-UE-HPLMN-Identifier UTF8String 3432 Monitoring-UE-HPLMN-Identifier UTF8String 3433 Monitoring-UE-VPLMN-Identifier UTF8String 3434 ProSe-PC3-Control-Protocol-Cause Integer32 3435 ProSe-PC3-EPC-Control-Protocol-Cause Integer32 3436 Requested-PLMN-Identifier UTF8String 3437 Requestor-PLMN-Identifier UTF8String 3438 Role-Of-ProSe-Function Enumerated 3439 Usage-Information-Report-Sequence-Number Integer32 3440 ProSe-Jirect-Communication-Transmission-Data-Container Grouped 3441 ProSe-Direct-Discovery-Model Enumerated 3442 ProSe-Punction-IP-Address Address 3445 ProSe-Functionality Enumerated 3445 ProSe-Functionality Enumerated 3446 ProSe-Functionality Enumerated 3447 ProSe-Functionality Enumerated 3448 ProSe-Functionality Enumerated 3449 ProSe-Functionality Enumerated 3440 ProSe-Function-IP-Address Address 3440 ProSe-Functionality Enumerated 3441 ProSe-Functionality Enumerated 3442 ProSe-Functionality Enumerated 3444 ProSe-Functionality Enumerated 3445 ProSe-Functionality Enumerated 3446 ProSe-Functionality Enumerated 3447 ProSe-Functionality Enumerated 3448 ProSe-Functionality Enumerated 3449 ProSe-Functionality Enumerated 3440 ProSe-Functionality Enumerated 3441 ProSe-Functionality Enumerated 3442 ProSe-Functionality Enumerated 3444 ProSe-Functionality Enumerated 3445 ProSe-Functionality Enumerated 3446 ProSe-Functionality Enumerated
3424 ISUP-Cause-Value Unsigned32 3425 EPDG-Address Address 3426 Announcing-UE-IPLMN-Identifier UTF8String 3427 Announcing-UE-VPLMN-Identifier UTF8String 3428 Coverage-Status Enumerated 3429 Layer-2-Group-ID OctetString 3430 Monitored-PLMN-Identifier UTF8String 3431 Monitoring-UE-IPLMN-Identifier UTF8String 3432 Monitoring-UE-IPLMN-Identifier UTF8String 3433 Monitoring-UE-VPLMN-Identifier UTF8String 3434 ProSe-PC3-Control-Protocol-Cause Integer32 3435 ProSe-PC3-EPC-Control-Protocol-Cause Integer32 3436 Requested-PLMN-Identifier UTF8String 3437 Requested-PLMN-Identifier UTF8String 3438 Role-Of-ProSe-Function Enumerated 3439 Usage-Information-Report-Sequence-Number Integer32 3440 ProSe-3rd-Party-Application-ID UTF8String 3441 ProSe-Direct-Communication-Transmission-Data-Container Grouped 3442 ProSe-Direct-Discovery-Model Enumerated 3443 ProSe-Event-Type Enumerated 3444 ProSe-Function-IP-Address Address 3445 ProSe-Functionality Enumerated
3425 EPDG-Address Address 3426 Announcing-UE-HPLMN-Identifier UTF8String 3427 Announcing-UE-VPLMN-Identifier UTF8String 3428 Coverage-Status Enumerated Cotestring State Coverage-Status Enumerated Cotestring Cotestrin
3427Announcing-UE-VPLMN-IdentifierUTF8String3428Coverage-StatusEnumerated3429Layer-2-Group-IDOctetString3430Monitored-PLMN-IdentifierUTF8String3431Monitoring-UE-HPLMN-IdentifierUTF8String3432Monitoring-UE-IdentifierUTF8String3433Monitoring-UE-VPLMN-IdentifierUTF8String3434ProSe-PC3-Control-Protocol-CauseInteger323435ProSe-PC3-EPC-Control-Protocol-CauseInteger323436Requested-PLMN-IdentifierUTF8String3437Requestor-PLMN-IdentifierUTF8String3438Role-Of-ProSe-FunctionEnumerated3439Usage-Information-Report-Sequence-NumberInteger323440ProSe-3rd-Party-Application-IDUTF8String3441ProSe-Direct-Communication-Transmission-Data-ContainerGrouped3442ProSe-Direct-Discovery-ModelEnumerated3443ProSe-Event-TypeEnumerated3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3428Coverage-StatusEnumerated3429Layer-2-Group-IDOctetString3430Monitored-PLMN-IdentifierUTF8String3431Monitoring-UE-HPLMN-IdentifierUTF8String3432Monitoring-UE-IdentifierUTF8String3433Monitoring-UE-VPLMN-IdentifierUTF8String3434ProSe-PC3-Control-Protocol-CauseInteger323435ProSe-PC3-EPC-Control-Protocol-CauseInteger323436Requested-PLMN-IdentifierUTF8String3437Requested-PLMN-IdentifierUTF8String3438Role-Of-ProSe-FunctionEnumerated3439Usage-Information-Report-Sequence-NumberInteger323440ProSe-3rd-Party-Application-IDUTF8String3441ProSe-Direct-Communication-Transmission-Data-ContainerGrouped3442ProSe-Direct-Discovery-ModelEnumerated3443ProSe-Event-TypeEnumerated3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3429 Layer-2-Group-ID OctetString 3430 Monitored-PLMN-Identifier UTF8String 3431 Monitoring-UE-HPLMN-Identifier UTF8String 3432 Monitoring-UE-Identifier UTF8String 3433 Monitoring-UE-VPLMN-Identifier UTF8String 3434 ProSe-PC3-Control-Protocol-Cause Integer32 3435 ProSe-PC3-EPC-Control-Protocol-Cause Integer32 3436 Requested-PLMN-Identifier UTF8String 3437 Requestor-PLMN-Identifier UTF8String 3438 Role-Of-ProSe-Function Enumerated 3439 Usage-Information-Report-Sequence-Number Integer32 3440 ProSe-3rd-Party-Application-ID UTF8String 3441 ProSe-Direct-Communication-Transmission-Data-Container Grouped 3442 ProSe-Direct-Discovery-Model Enumerated 3443 ProSe-Event-Type Enumerated 3444 ProSe-Function-IP-Address Address 3445 ProSe-Functionality Enumerated 3446 Enumerated Enumerated 3447 ProSe-Function-IP-Address Address 3448 ProSe-Functionality Enumerated 3449 ProSe-Functionality Enumerated 3440 ProSe-Functionality Enumerated 3441 ProSe-Functionality Enumerated 3442 ProSe-Functionality Enumerated 3444 ProSe-Functionality Enumerated 3445 ProSe-Functionality Enumerated 3446 ProSe-Functionality Enumerated 3447 ProSe-Functionality Enumerated 3448 ProSe-Functionality Enumerated 3449 ProSe-Functionality Enumerated 3440 ProSe-Functionality Enumerated 3441 ProSe-Functionality Enumerated 3442 ProSe-Functionality Enumerated 3444 ProSe-Functionality Enumerated 3445 ProSe-Functionality Enumerated
3430Monitored-PLMN-IdentifierUTF8String3431Monitoring-UE-HPLMN-IdentifierUTF8String3432Monitoring-UE-IdentifierUTF8String3433Monitoring-UE-VPLMN-IdentifierUTF8String3434ProSe-PC3-Control-Protocol-CauseInteger323435ProSe-PC3-EPC-Control-Protocol-CauseInteger323436Requested-PLMN-IdentifierUTF8String3437Requestor-PLMN-IdentifierUTF8String3438Role-Of-ProSe-FunctionEnumerated3439Usage-Information-Report-Sequence-NumberInteger323440ProSe-3rd-Party-Application-IDUTF8String3441ProSe-Direct-Communication-Transmission-Data-ContainerGrouped3442ProSe-Direct-Discovery-ModelEnumerated3443ProSe-Event-TypeEnumerated3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3431 Monitoring-UE-HPLMN-Identifier 3432 Monitoring-UE-Identifier 3433 Monitoring-UE-VPLMN-Identifier 3434 ProSe-PC3-Control-Protocol-Cause 3435 ProSe-PC3-EPC-Control-Protocol-Cause 3436 Requested-PLMN-Identifier 3437 Requestor-PLMN-Identifier 3438 Role-Of-ProSe-Function 3439 Usage-Information-Report-Sequence-Number 3440 ProSe-3rd-Party-Application-ID 3441 ProSe-Direct-Communication-Transmission-Data-Container 3442 ProSe-Direct-Discovery-Model 3443 ProSe-Event-Type 3444 ProSe-Function-IP-Address 3445 ProSe-Functionality 342. Sequenter UTF8String 343. Integer32 3440 Prose-Event-Type 444 ProSe-Function-IP-Address 445 ProSe-Function-IP-Address 446 ProSe-Functionality 452. Enumerated 467. Enumerated 573. Enumerated
3432 Monitoring-UE-Identifier UTF8String 3433 Monitoring-UE-VPLMN-Identifier UTF8String 3434 ProSe-PC3-Control-Protocol-Cause Integer32 Integer32 3435 ProSe-PC3-EPC-Control-Protocol-Cause UTF8String
3433Monitoring-UE-VPLMN-IdentifierUTF8String3434ProSe-PC3-Control-Protocol-CauseInteger323435ProSe-PC3-EPC-Control-Protocol-CauseInteger323436Requested-PLMN-IdentifierUTF8String3437Requestor-PLMN-IdentifierUTF8String3438Role-Of-ProSe-FunctionEnumerated3439Usage-Information-Report-Sequence-NumberInteger323440ProSe-3rd-Party-Application-IDUTF8String3441ProSe-Direct-Communication-Transmission-Data-ContainerGrouped3442ProSe-Direct-Discovery-ModelEnumerated3443ProSe-Event-TypeEnumerated3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3434 ProSe-PC3-Control-Protocol-Cause 3435 ProSe-PC3-EPC-Control-Protocol-Cause 3436 Requested-PLMN-Identifier 3437 Requestor-PLMN-Identifier 3438 Role-Of-ProSe-Function 3439 Usage-Information-Report-Sequence-Number 3440 ProSe-3rd-Party-Application-ID 3441 ProSe-Direct-Communication-Transmission-Data-Container 3442 ProSe-Direct-Discovery-Model 3443 ProSe-Event-Type 3444 ProSe-Function-IP-Address 3445 ProSe-Functionality Integer32 Integer32 UTF8String UTF8String UTF8String Grouped Enumerated Address Address
3435 ProSe-PC3-EPC-Control-Protocol-Cause 3436 Requested-PLMN-Identifier 3437 Requestor-PLMN-Identifier 3438 Role-Of-ProSe-Function 3439 Usage-Information-Report-Sequence-Number 3440 ProSe-3rd-Party-Application-ID 3441 ProSe-Direct-Communication-Transmission-Data-Container 3442 ProSe-Direct-Discovery-Model 3443 ProSe-Event-Type 3444 ProSe-Function-IP-Address 3445 ProSe-Functionality Integer32 UTF8String UTF8String Grouped Enumerated Address Address Sequested-PLMN-Identifier UTF8String Enumerated Address Address Enumerated
3436Requested-PLMN-IdentifierUTF8String3437Requestor-PLMN-IdentifierUTF8String3438Role-Of-ProSe-FunctionEnumerated3439Usage-Information-Report-Sequence-NumberInteger323440ProSe-3rd-Party-Application-IDUTF8String3441ProSe-Direct-Communication-Transmission-Data-ContainerGrouped3442ProSe-Direct-Discovery-ModelEnumerated3443ProSe-Event-TypeEnumerated3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3437 Requestor-PLMN-Identifier UTF8String 3438 Role-Of-ProSe-Function Enumerated 3439 Usage-Information-Report-Sequence-Number Integer32 3440 ProSe-3rd-Party-Application-ID UTF8String 3441 ProSe-Direct-Communication-Transmission-Data-Container Grouped 3442 ProSe-Direct-Discovery-Model Enumerated 3443 ProSe-Event-Type Enumerated 3444 ProSe-Function-IP-Address 3445 ProSe-Functionality Enumerated
3438Role-Of-ProSe-FunctionEnumerated3439Usage-Information-Report-Sequence-NumberInteger323440ProSe-3rd-Party-Application-IDUTF8String3441ProSe-Direct-Communication-Transmission-Data-ContainerGrouped3442ProSe-Direct-Discovery-ModelEnumerated3443ProSe-Event-TypeEnumerated3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3439Usage-Information-Report-Sequence-NumberInteger323440ProSe-3rd-Party-Application-IDUTF8String3441ProSe-Direct-Communication-Transmission-Data-ContainerGrouped3442ProSe-Direct-Discovery-ModelEnumerated3443ProSe-Event-TypeEnumerated3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3440ProSe-3rd-Party-Application-IDUTF8String3441ProSe-Direct-Communication-Transmission-Data-ContainerGrouped3442ProSe-Direct-Discovery-ModelEnumerated3443ProSe-Event-TypeEnumerated3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3441ProSe-Direct-Communication-Transmission-Data-ContainerGrouped3442ProSe-Direct-Discovery-ModelEnumerated3443ProSe-Event-TypeEnumerated3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3442ProSe-Direct-Discovery-ModelEnumerated3443ProSe-Event-TypeEnumerated3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3444ProSe-Function-IP-AddressAddress3445ProSe-FunctionalityEnumerated
3445 ProSe-Functionality Enumerated
2446 DroCo Croup ID Multiport Addropped
3446 ProSe-Group-IP-Multicast-Addresses Address
3447 ProSe-Information Grouped
3448 ProSe-Range-Class Enumerated
3449 ProSe-Reason-For-Cancellation Enumerated
3450 ProSe-Request-Timestamp Time
3451 ProSe-Role-Of-UE Enumerated
3452 ProSe-Source-IP-Address Address 3453 ProSe-UE-ID OctetString
3453 Prose-DE-ID Octetstring
3455 Proximity-Alert-Timestamp Time
13430 Proximity-Cancellation-Timestamo
3456 Proximity-Cancellation-Timestamp Time 3457 ProSe-Function-PLMN-Identifier UTF8String
3457 ProSe-Function-PLMN-Identifier UTF8String
3457ProSe-Function-PLMN-IdentifierUTF8String3458Application-Specific-DataOctetString
3457 ProSe-Function-PLMN-Identifier UTF8String
3457ProSe-Function-PLMN-IdentifierUTF8String3458Application-Specific-DataOctetString3459Coverage-InfoGrouped
3457ProSe-Function-PLMN-IdentifierUTF8String3458Application-Specific-DataOctetString3459Coverage-InfoGrouped3460Location-InfoGrouped

3464 Radio-Parameter-Set-Values	OctetString	
3465 Radio-Resources-Indicator	Integer32	
3466 Time-First-Reception	Time	
3467 Time-First-Transmission	Time	
3468 Transmitter-Info	Grouped	
Note: The AVP codes from 3469 to 3499 are reserved for TS 32.299.		
3500 BMSC-Address	Address	
3501 BMSC-Port	Unsigned32	
3502 MBMS-Bearer-Event	Unsigned32	
3503 MBMS-Bearer-Event-Notification	Grouped	
3504 MBMS-Bearer-Request	Grouped	
3505 MBMS-Bearer-Response	Grouped	
3506 MBMS-Bearer-Result	Unsigned32	
3507 MBMS-Start-Time	Time	
3508 Radio-Frequency	Unsigned32	
3509 TMGI-Allocation-Request	Grouped	
3510 TMGI-Allocation-Response 3511 TMGI-Allocation-Result	Grouped Unsigned32	
3511 TMGI-Allocation-Result 3512 TMGI-Deallocation-Request	Grouped	29.468
3513 TMGI-Deallocation-Response	Grouped	[31]
3514 TMGI-Deallocation-Result	Unsigned32	
3515 TMGI-Expiry	Grouped	
3516 TMGI-Expiry	Unsigned32	
3517 MB2U-Security	Unsigned32	
3518 Local-M1-Information	Grouped	
3519 Local-MB2-U-Information	Grouped	
3520 MBMS-eNB-IP-Multicast-Address	Address	
3521 MBMS-eNB-IPv6-Multicast-Address	Address	
3522 MBMS-GW-SSM-IP-Address	Address	
3523 MBMS-GW-SSM-IPv6-Address	Address	
3524 Common-Tunnel-Endpoint-Identifier	OctetString	
Note: The AVP codes from 3525 to 3599 are reserved for TS 29.468.		
3600 Origin-App-Layer-User-Id	UTF8String	
3601 Target-App-Layer-User-Id	UTF8String	
3602 ProSe-Function-ID	OctetString	
3603 ProSe-Request-Type 3604 PDUID	Unsigned32	
3605 Application-Data	OctetString UTF8String	
3606 Allowed-Suffixes-Number	Unsigned32	29.343
3607 Monitor-Target	Grouped	[32]
3608 ProSe-Code-Suffix-Mask	Grouped	
3609 Suffix-Code	OctetString	
3610 Suffix-Mask	OctetString	
3611 Banned-User-Target	Grouped	
3612 Metadata-Indicator	Unsigned32	
Note: The AVP codes from 3613 to 3699 are reserved for TS 29.343.	-	
3701 ProSe-Subscription-Data	Grouped	
3702 ProSe-Permission	Unsigned32	
3703 ProSe-Allowed-PLMN	Grouped	
3704 ProSe-Direct-Allowed	Unsigned32	29.344
3705 UPR-Flags	Unsigned32	[33]
3706 PNR-Flags	Unsigned32	
3707 ProSe-Initial-Location-Information	Grouped	
3708 Authorized-Discovery-Range	Unsigned32	
Note: The AVP codes from 3709 to 3799 are reserved for TS 29.344.		1
3800 Reserved	LITTOC4-:	
3801 App-Layer-User-Id 3802 Assistance-info	UTF8String Grouped	
3803 Assistance-Info-Validity-Timer	Grouped Unsigned32	
3804 Discovery-Type	Unsigned32 Unsigned32	29.345
3805 Filter-Id	OrtetString	[34]
3806 MAC-Address	UTF8String	[54]
3807 Match-Report	Grouped	
3808 Operating-Channel	Unsigned32	
3809 P2P-Features	Unsigned32	
	STIGISTION CO.	I

3810ProSe-App-CodeUTF8String3811ProSe-App-IdUTF8String3812ProSe-App-MaskUTF8String3813ProSe-Discovery-FilterGrouped3814PRR-FlagsUnsigned323815ProSe-Validity-TimerUnsigned323816Requesting-EPUIDUTF8String3817Targeted-EPUIDUTF8String3818Time-WindowUnsigned323819WiFi-P2P-Assistance-InfoGrouped3820WLAN-Assistance-InfoGrouped3821WLAN-Link-Layer-IdOctetString3822WLAN-Link-Layer-Id-ListGrouped3823Location-Update-TriggerGrouped3824Location-Update-Event-TypeUnsigned323825Change-Of-Area-TypeGrouped3826Lageting Undete Event-TriggerLageting Undete Event-Trigger	
3812ProSe-App-MaskUTF8String3813ProSe-Discovery-FilterGrouped3814PRR-FlagsUnsigned323815ProSe-Validity-TimerUnsigned323816Requesting-EPUIDUTF8String3817Targeted-EPUIDUTF8String3818Time-WindowUnsigned323819WiFi-P2P-Assistance-InfoGrouped3820WLAN-Assistance-InfoGrouped3821WLAN-Link-Layer-IdOctetString3822WLAN-Link-Layer-Id-ListGrouped3823Location-Update-TriggerGrouped3824Location-Update-Event-TypeUnsigned323825Change-Of-Area-TypeGrouped	
3813ProSe-Discovery-FilterGrouped3814PRR-FlagsUnsigned323815ProSe-Validity-TimerUnsigned323816Requesting-EPUIDUTF8String3817Targeted-EPUIDUTF8String3818Time-WindowUnsigned323819WiFi-P2P-Assistance-InfoGrouped3820WLAN-Assistance-InfoGrouped3821WLAN-Link-Layer-IdOctetString3822WLAN-Link-Layer-Id-ListGrouped3823Location-Update-TriggerGrouped3824Location-Update-Event-TypeUnsigned323825Change-Of-Area-TypeGrouped	
3814 PRR-Flags Unsigned32 3815 ProSe-Validity-Timer Unsigned32 3816 Requesting-EPUID UTF8String 3817 Targeted-EPUID UTF8String 3818 Time-Window Unsigned32 3819 WiFi-P2P-Assistance-Info Grouped 3820 WLAN-Assistance-Info Grouped 3821 WLAN-Link-Layer-Id OctetString 3822 WLAN-Link-Layer-Id-List Grouped 3823 Location-Update-Trigger Grouped 3824 Location-Update-Event-Type Unsigned32 3825 Change-Of-Area-Type Grouped	
3815ProSe-Validity-TimerUnsigned323816Requesting-EPUIDUTF8String3817Targeted-EPUIDUTF8String3818Time-WindowUnsigned323819WiFi-P2P-Assistance-InfoGrouped3820WLAN-Assistance-InfoGrouped3821WLAN-Link-Layer-IdOctetString3822WLAN-Link-Layer-Id-ListGrouped3823Location-Update-TriggerGrouped3824Location-Update-Event-TypeUnsigned323825Change-Of-Area-TypeGrouped	
3816Requesting-EPUIDUTF8String3817Targeted-EPUIDUTF8String3818Time-WindowUnsigned323819WiFi-P2P-Assistance-InfoGrouped3820WLAN-Assistance-InfoGrouped3821WLAN-Link-Layer-IdOctetString3822WLAN-Link-Layer-Id-ListGrouped3823Location-Update-TriggerGrouped3824Location-Update-Event-TypeUnsigned323825Change-Of-Area-TypeGrouped	
3817 Targeted-EPUIDUTF8String3818 Time-WindowUnsigned323819 WiFi-P2P-Assistance-InfoGrouped3820 WLAN-Assistance-InfoGrouped3821 WLAN-Link-Layer-IdOctetString3822 WLAN-Link-Layer-Id-ListGrouped3823 Location-Update-TriggerGrouped3824 Location-Update-Event-TypeUnsigned323825 Change-Of-Area-TypeGrouped	
3817 Targeted-EPUIDUTF8String3818 Time-WindowUnsigned323819 WiFi-P2P-Assistance-InfoGrouped3820 WLAN-Assistance-InfoGrouped3821 WLAN-Link-Layer-IdOctetString3822 WLAN-Link-Layer-Id-ListGrouped3823 Location-Update-TriggerGrouped3824 Location-Update-Event-TypeUnsigned323825 Change-Of-Area-TypeGrouped	
3818 Time-WindowUnsigned323819 WiFi-P2P-Assistance-InfoGrouped3820 WLAN-Assistance-InfoGrouped3821 WLAN-Link-Layer-IdOctetString3822 WLAN-Link-Layer-Id-ListGrouped3823 Location-Update-TriggerGrouped3824 Location-Update-Event-TypeUnsigned323825 Change-Of-Area-TypeGrouped	
3819WiFi-P2P-Assistance-InfoGrouped3820WLAN-Assistance-InfoGrouped3821WLAN-Link-Layer-IdOctetString3822WLAN-Link-Layer-Id-ListGrouped3823Location-Update-TriggerGrouped3824Location-Update-Event-TypeUnsigned323825Change-Of-Area-TypeGrouped	
3820WLAN-Assistance-InfoGrouped3821WLAN-Link-Layer-IdOctetString3822WLAN-Link-Layer-Id-ListGrouped3823Location-Update-TriggerGrouped3824Location-Update-Event-TypeUnsigned323825Change-Of-Area-TypeGrouped	
3821WLAN-Link-Layer-IdOctetString3822WLAN-Link-Layer-Id-ListGrouped3823Location-Update-TriggerGrouped3824Location-Update-Event-TypeUnsigned323825Change-Of-Area-TypeGrouped	
3822WLAN-Link-Layer-Id-ListGrouped3823Location-Update-TriggerGrouped3824Location-Update-Event-TypeUnsigned323825Change-Of-Area-TypeGrouped	
3823 Location-Update-TriggerGrouped3824 Location-Update-Event-TypeUnsigned323825 Change-Of-Area-TypeGrouped	
3824 Location-Update-Event-Type Unsigned32 3825 Change-Of-Area-Type Grouped	
3825 Change-Of-Area-Type Grouped	
1200CH continu Undote Event Triager	
3826 Location-Update-Event-Trigger Unsigned32	
3827 Report-Cardinality Enumerated	
3828 Minimum-Interval-Time Unsigned32	
3829 Periodic-Location-Type Grouped	
3830 Location-Report-Interval-Time Unsigned32	
3831 Total-Number-Of-Reports Unsigned32	
3832 Validity-Time-Announce Unsigned32	
3833 Validity-Time-Monitor Unsigned32	
3834 Validity-Time-Communication Unsigned32	
3835 ProSe-App-Code-Info Grouped	
3836 MIC OctetString	
3837 UTC-based-Counter Unsigned32	
3838 ProSe-Match-Refresh-Timer Unsigned32	
3839 ProSe-Metadata-Index-Mask OctetString	
3840 App-Identifier Grouped	
3841 OS-ID OctetString	
3842 OS-App-ID UTF8String	
3843 Requesting-RPAUID UTF8String	
3844 Target-RPAUID UTF8String	
3845 Target-PDUID OctetString	
3846 ProSe-Restricted-Code OctetString	
3847 ProSe-Restricted-Code-Suffix-Range OctetString	
3848 Beginning-Suffix OctetString	
3849 Ending-Suffix OctetString	
3850 Discovery-Entry-ID Unsigned32	
3851 Match-Timestamp Time	
3852 PMR-Flags Unsigned32	
3853 ProSe-Application-Metadata UTF8String	
3854 Discovery-Auth-Request Grouped	
3855 Discovery-Auth-Response Grouped	
3856 Match-Request Grouped	
3857 Match-Report-Info Grouped	
3858 Banned-RPAUID UTF8String	
3859 Banned-PDUID OctetString	
3860 Code-Receiving-Security-Material Grouped	
3861 Code-Sending-Security-Material Grouped	
3862 DUSK OctetString	
3863 DUIK OctetString	
3864 DUCK OctetString	
3865 MIC-Check-indicator Unsigned32	
3866 Encrypted-Bitmask OctetString	
3867 ProSe-App-Code-Suffix-Range OctetString	
Note: The AVP codes from 3868 to 3899 are reserved for TS 29.345.	
3900 Reserved	
3901 Enhanced-Diagnostics Grouped	
	.299
	[5]
3904 Announcement-Information Grouped	
3905 Announcement-Identifier Unsigned32	

[accellent to the control of the con	T	1
3906 Announcement-Order	Unsigned32	
3907 Variable-Part	Grouped	
3908 Variable-Part-Order	Unsigned32	
3909 Variable-Part-Type	Unsigned32	
3910 Variable-Part-Value	UTF8String	
3911 Time-Indicator	Unsigned32	
3912 Quota-Indicator	Enumerated	
3913 Play-Alternative	Enumerated	
3914 Language	UTF8String	
3915 Privacy-Indicator	Enumerated	
3916 Called-Identity	UTF8String	
3917 Called-Identity-Change	Grouped	
3918 UWAN-User-Location-Info	Grouped	
3919 Monitoring-Event-Configuration-Activity	Integer32	
3920 Monitoring-Event-Report-Data	Grouped	
3921 Monitoring-Event-Report-Data 3921 Monitoring-Event-Information	Grouped	
3922 Monitoring-Event-Functionality	Integer32	
3923 Monitoring-Event-Report-Number	Unsigned32	
3924 Cellular-Network-Information	OctetString	
3925 Related-Change-Condition-Information	Grouped	
3926 Related-Trigger	Grouped	
3927 CPDT-Information	Grouped	
3928 NIDD-Submission	Grouped	
3929 Serving-Node-Identity	DiameterIdentity	
3930 CP-CloT-EPS-Optimisation-Indicator	Enumerated	
3931 SGi-PtP-Tunnelling-Method	Enumerated	
3932 UNI-PDU-CP-Only-Flag	Enumerated	
3933 APN-Rate-Control	Grouped	
3934 APN-Rate-Control-Downlink	Grouped	
3935 APN-Rate-Control-Uplink	Grouped	
3936 Additional-Exception-Reports	Enumerated	
3937 Rate-Control-Max-Message-Size	Unsigned32	
3938 Rate-Control-Max-Rate	Unsigned32	
	Unsigned32	
3939 Rate-Control-Time-Unit		
3940 SCS-AS-Address	Grouped	
3941 SCS-Address	Address	
3942 SCS-Realm	DiameterIdentity	
Note: The AVP codes from 3943 to 3999 are reserved for TS 32.299.		1
4000 Aggregated-Congestion-Info	Grouped	
4001 Aggregated-RUCI-Report	Grouped	
4002 Congestion-Level-Definition	Grouped	
4003 Congestion-Level-Range	Unsigned32	
4004 Congestion-Level-Set-Id	Unsigned32	
4005 Congestion-Level-Value	Unsigned32	
4006 Congestion-Location-Id	Grouped	29.217
4007 Conditional-Restriction	Unsigned32	[35]
4008 eNodeB-Id	OctetString	
4009 IMSI-List	OctetString	
4010 RCAF-Id	DiameterIdentity	
4011 Reporting-Restriction	Unsigned32	
4012 RUCI-Action	Unsigned32	
4013 Extended-eNodeB-ID	OctetString	
Note: The AVP codes from 4014 to 4099 are reserved for TS 29.217.	Octobiling	
4101 Network-Congestion-Area-Report	Grouped	29.153
4102 Ns-Request-Type	Unsigned32	[37]
Note: The AVP codes from 4103 to 4199 are reserved for TS 29.153.	Unsigned32	၂ [၁/]
inote. The AVE codes nor 4103 to 4199 are reserved for 15 29.153.	T 0 + 101 :	
4201 Network-Area-Info-List	OctetString	
4201 Network-Area-Info-List 4202 Reference-Id	OctetString	
4201 Network-Area-Info-List4202 Reference-Id4203 Transfer-Request-Type	OctetString Unsigned32	
 4201 Network-Area-Info-List 4202 Reference-Id 4203 Transfer-Request-Type 4204 Time-Window 	OctetString Unsigned32 Grouped	29.154
4201 Network-Area-Info-List 4202 Reference-Id 4203 Transfer-Request-Type 4204 Time-Window 4205 Transfer-End-Time	OctetString Unsigned32 Grouped Time	29.154
4201 Network-Area-Info-List 4202 Reference-Id 4203 Transfer-Request-Type 4204 Time-Window 4205 Transfer-End-Time 4206 Transfer-Start-Time	OctetString Unsigned32 Grouped Time Time	29.154
4201 Network-Area-Info-List 4202 Reference-Id 4203 Transfer-Request-Type 4204 Time-Window 4205 Transfer-End-Time 4206 Transfer-Start-Time 4207 Transfer-Policy	OctetString Unsigned32 Grouped Time Time Grouped	
4201 Network-Area-Info-List 4202 Reference-Id 4203 Transfer-Request-Type 4204 Time-Window 4205 Transfer-End-Time 4206 Transfer-Start-Time 4207 Transfer-Policy 4208 Transfer-Policy-Id	OctetString Unsigned32 Grouped Time Time Grouped Unsigned32	
4201 Network-Area-Info-List 4202 Reference-Id 4203 Transfer-Request-Type 4204 Time-Window 4205 Transfer-End-Time 4206 Transfer-Start-Time 4207 Transfer-Policy	OctetString Unsigned32 Grouped Time Time Grouped	

Note: The AVD codes from 4240 to 4200 are recorded for TC 20 454		
Note: The AVP codes from 4210 to 4299 are reserved for TS 29.154. 4300 Communication-Failure-Information	Grouped	
4301 Cause-Type	Unsigned32	
4302 S1AP-Cause	Unsigned32	
4303 RANAP-Cause	Unsigned32	
4304 GMM-Cause	Unsigned32	
4305 SM-Cause	Unsigned32	
4306 Number-of-UE-Per-Location-Configuration	Grouped	
4307 Number-of-UE-Per-Location-Report	Grouped	
4308 UE-Count	Unsigned32	
4309 BSSGP-Cause	Unsigned32	
4310 Serving-PLMN-Rate-Control	Grouped	
4311 Uplink-Rate-Limit	Unsigned32	29.128
4312 Downlink-Rate-Limit	Unsigned32	[36]
4313 Extended-PCO	OctetString	
4314 Connection-Action	Unsigned32	
4315 Non-IP-Data	OctetString	
4316 SCEF-Wait-Time 4317 CMR-Flags	Time	
4317 CMR-Flags 4318 RRC-Cause-Counter	Unsigned32 Grouped	
4319 Counter-Value	Unsigned32	
4320 RRC-Counter-Timestamp	Time	
4321 TDA-Flags	Unsigned32	
4322 Reserved	-	
4323 Reserved	-	
4324 Reserved	-	
Note: The AVP codes from 4325 to 4399 are reserved for TS 29.128.		II.
4400 Charging-Per-IP-CAN-Session-Indicator	Enumerated	
4401 Access-Network-Info-Change	Enumerated	32 200
4402 Discoveree-UE-HPLMN-Identifier	UTF8String	
4403 Discoveree-UE-VPLMN-Identifier	UTF8String	
4404 Discoverer-UE-HPLMN-Identifier	UTF8String	
4405 Discoverer-UE-VPLMN-Identifier	UTF8String	
4406 3GPP-PS-Data-Off-Status	Enumerated	32.299
4407 Unused-Quota-Timer	Unsigned32	[5]
4408 Announcing-PLMN-ID	UTF8String	
4409 ProSe-UE-to-Network-Relay-UE-ID	OctetString	
4410 ProSe-Target-Layer-2-ID	OctetString	
4411 Relay-IP-address 4412 Target-IP-Address	Address Address	
4413 FE-Identifier-List	UTF8String	
Note: The AVP codes from 4414 to 4499 are reserved for TS 32.299	OTIOSHING	
4500 MCPTT-ID	UTF8String	
4501 Data-Identification	Grouped	
4502 Data-Identification-Prefix	Unsigned32	
4503 Data-Identification-Flags	Unsigned64	
4504 DPR-Flags	Unsigned32	
4505 DPA-Flags	Unsigned32	
4506 DUR-Flags	Unsigned32	00.000
4507 DUA-Flags	Unsigned32	29.283
4508 NDR-Flags	Unsigned32	[39]
4509 NDA-Flags	Unsigned32	
4510 User-Data-Id	Unsigned32	
4511 MC-Service-User-Profile-Data	Grouped	
4512 Sequence-Number	Unsigned32	
4513 MCVideo-ID	UTF8String	
4514 MC-Data-ID	UTF8String	
Note: The AVP codes from 4515 to 4599 are reserved for TS 29.283.		
4600 V2X-PC5-Allowed-PLMN	Grouped	29.388
4601 V2X-Update-Flags	Unsigned32	[40]
4602 V2X-Notify-Flags	Unsigned32	1
Note: The AVP codes from 4603 to 4799 are reserved for TS 29.388.	Cravinad	
4700 V2X-Authorization-Data	Grouped	29.389
4701 V2X-Permission-in-VPLMN	Unsigned32	[41]
4702 V2X-Application-Server	Grouped	

Note: The AVP codes from 4703 to 4799 are reserved for TS and TS 29.389.

8 Experimental result codes

The Diameter answer messages must carry either Result-Code AVP or Experimental-Result AVP. The values of Result-Code AVP are controlled by IANA. The Experimental-Result AVP is a grouped AVP containing the Vendor-Id AVP and Experimental-Result-Code AVP, thus the experimental result codes are controlled in a vendor-specific manner.

8.1 3GPP specific result codes

The 3GPP specific result codes are always transferred in the Experimental-Result AVP, which has the Vendor-Id with value of 3GPP's vendor identifier. The 3GPP specific result codes shall follow the same classification as defined for the values of Result-Code AVP in IETF RFC 3588 [9]. That means, the result codes are grouped to following ranges:

- 1xxx (Informational)
- 2xxx (Success)
- 4xxx (Transient Failures)
- 5xxx (Permanent Failures)

8.1.1 Informational

The Informational result codes shall use the values from 1001 to 1999 in the Experimental-Result-Code AVP.

Editor's note: No informational result codes have been yet defined in 3GPP.

8.1.2 Success

The Success result codes shall use the values from 2001 to 2999 in the Experimental-Result-Code AVP. The reserved 3GPP specific Success result codes are presented in the following table.

Table 8.1.2: 3GPP specific Success result codes

Experimental	Result text	Specified in the TS
Result Code		
2001	DIAMETER_FIRST_REGISTRATION	
2002	DIAMETER_SUBSEQUENT_REGISTRATION	
2003	DIAMETER_UNREGISTERED_SERVICE	29.229 [2]
2004	DIAMETER_SUCCESS_SERVER_NAME_NOT_STORED	
2005	Deprecated value	
Note: The Experime	ental Result Codes from 2006 to 2020 are reserved for the TS 29.229.	
2021	DIAMETER_PDP_CONTEXT_DELETION_INDICATION	29.061 [13]
Note: The Experimental Result Codes from 2022 to 2040 are reserved for the TS 29.061		
		29.109 [7]
Note: The Experime	ental Result Codes from 2401 to 2420 are reserved for the TS 29.109.	

8.1.3 Transient Failures

The Transient Failure result codes shall use the values from 4001 to 4999 in the Experimental-Result-Code AVP. The reserved 3GPP specific Transient Failure result codes are presented in the following table.

Table 8.1.3: 3GPP specific Transient Failure result codes

Experimental Result Code	Result text Specified in								
4100	DIAMETER_USER_DATA_NOT_AVAILABLE	29.329 [4]							
4101	DIAMETER_PRIOR_UPDATE_IN_PROGRESS								
Note: The Experimental Result Codes from 4102 to 4120 are reserved for the TS 29.329.									
4121	DIAMETER_ERROR_OUT_OF_RESOURCES	29.061 [13]							
Note: The Experime	ntal Result Codes from 4122 to 4140 are reserved for the TS 29.061.								
4141	DIAMETER_PCC_BEARER_EVENT								
4142	DIAMETER_BEARER_EVENT	29.212 [19]							
4143	DIAMETER_AN_GW_FAILED	29.212 [19]							
4144	DIAMETER_PENDING_TRANSACTION								
Note: The Experime	ntal Result Codes from 4145 to 4160 are reserved for the TS 29.212								
		32.299 [5]							
Note: The Experime	ntal Result Codes from 4161 to 4180 are reserved for the TS 32.299.								
4181	DIAMETER_AUTHENTICATION_DATA_UNAVAILABLE	29.272 [21]							
4182	DIAMETER_ERROR_CAMEL_SUBSCRIPTION_PRESENT	29.272 [21]							
Note: The Experime	ntal Result Codes from 4182 to 4200 are reserved for the TS 29.272.								
4201	DIAMETER_ERROR_ABSENT_USER	29.173 [25]							
Note: The Experime	ntal Result Codes from 4202 to 4220 are reserved for the TS 29.173.								
4221	DIAMETER_ERROR_UNREACHABLE_USER								
4222	DIAMETER_ERROR_SUSPENDED_USER								
4223	DIAMETER_ERROR_DETACHED_USER	29.172 [24]							
4224	DIAMETER_ERROR_POSITIONING_DENIED	29.172 [24]							
4225	DIAMETER_ERROR_POSITIONING_FAILED								
4226	DIAMETER_ERROR_UNKNOWN_UNREACHABLE LCS_CLIENT								
Note: The Experime	ntal Result Codes from 4227 to 4240 are reserved for the TS 29.172.								
4241	DIAMETER_ERROR_NO_AVAILABLE_POLICY_COUNTERS	29.219 [26]							
Note: The Experime	ntal Result Codes from 4242 to 4260 are reserved for the TS 29.219.								
4261	REQUESTED_SERVICE_TEMPORARILY_NOT_AUTHORIZED	29.214 [18]							
Note: The Experime	ntal Result Codes from 4262 to 4280 are reserved for the TS 29.214.								

8.1.4 Permanent Failures

The Permanent Failure result codes shall use the values from 5001 to 5999 in the Experimental-Result-Code AVP. The reserved 3GPP specific Permanent Failure result codes are presented in the following table.

Table 8.1.4: 3GPP specific Permanent Failure result codes

Experimental Result Code	Result text	Specified in the TS
5001	DIAMETER ERROR USER UNKNOWN	10
5002	DIAMETER_ERROR_IDENTITIES_DONT_MATCH	
5003	DIAMETER_ERROR_IDENTITY_NOT_REGISTERED	
5004	DIAMETER_ERROR_ROAMING_NOT_ALLOWED	
5005	DIAMETER_ERROR_IDENTITY_ALREADY_REGISTERED	
5006	DIAMETER_ERROR_AUTH_SCHEME_NOT_SUPPORTED	
5007	DIAMETER_ERROR_IN_ASSIGNMENT_TYPE	29.229 [2]
5008	DIAMETER_ERROR_TOO_MUCH_DATA	29.229 [2]
5009	DIAMETER_ERROR_100_M0CH_DATA DIAMETER_ERROR_NOT_SUPPORTED_USER_DATA	
5010	unassigned DIAMETER_ERROR_FEATURE_UNSUPPORTED	
5011		
5012	DIAMETER_ERROR_SERVING_NODE_FEATURE_UNSUPP ORTED	
Note: The Expe	rimental Result Codes from 5013 to 5020 are reserved for the TS	
		32.299 [5]
	rimental Result Codes from 5021 to 5040 are reserved for the TS	S 32.299.
5041	DIAMETER_ERROR_USER_NO_WLAN_SUBSCRIPTION	
5042	DIAMETER_ERROR_W-APN_UNUSED_BY_USER	
5043	DIAMETER_ERROR_NO_ACCESS_INDEPENDENT_SUBSC	29.234 [6]
	RIPTION	20.207 [0]
5044	DIAMETER_ERROR_USER_NO_W-APN_SUBSCRIPTION	
5045	DIAMETER_ERROR_UNSUITABLE_NETWORK	
Note: The Expe	erimental Result Codes from 5046 to 5060 are reserved for the TS	S 29.234.
5061	INVALID_SERVICE_INFORMATION	
5062	FILTER_RESTRICTIONS	
5063	REQUESTED_SERVICE_NOT_AUTHORIZED	00 000 101
5064	DUPLICATED AF SESSION	29.209 [8],
5065	IP-CAN_SESSION_NOT_AVAILABLE	29.211 [17] ,
5066	UNAUTHORIZED_NON_EMERGENCY_SESSION	29.214 [18]
5067	UNAUTHORIZED_SPONSORED_DATA_CONNECTIVITY	
5068	TEMPORARY_NETWORK_FAILURE	
Note: The Expe	rimental Result Codes from 5069 to 5080 are reserved for TS 29 TS 29.214.	0.209, TS 29.211
5100	DIAMETER_ERROR_USER_DATA_NOT_RECOGNIZED	
5101	DIAMETER ERROR OPERATION NOT ALLOWED	
5102	DIAMETER_ERROR_USER_DATA_CANNOT_BE_READ	
5103	DIAMETER_ERROR_USER_DATA_CANNOT_BE_MODIFIED	
5104	DIAMETER ERROR USER DATA CANNOT BE NOTIFIED	141 000 00
		29.329 [4]
5105	DIAMETER_ERROR_TRANSPARENT_DATA OUT OF SYNC	
5106	DIAMETER_ERROR_SUBS_DATA_ABSENT	
5107	DIAMETER_ERROR_NO_SUBSCRIPTION_TO_DATA	
5107	DIAMETER_ERROR_NO_SUBSCRIPTION_TO_DATA DIAMETER_ERROR_DSAI_NOT_AVAILABLE	
	rimental Result Codes from 5109 to 5119 are reserved for the T	S 20 320
5120	DIAMETER_ERROR_START_INDICATION	J
	DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION	
5121	DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC	20 064 [42]
5122	E	29.061 [13]
5123	DIAMETER_ERROR_SERVICE_AREA	
	rimental Result Codes from 5124 to 5139 are reserved for the TS	S 29.061.
5140	DIAMETER_ERROR_INITIAL_PARAMETERS	
5141	DIAMETER_ERROR_TRIGGER_EVENT	
5142	DIAMETER_PCC_RULE_EVENT	
5143	DIAMETER_ERROR_BEARER_NOT_AUTHORIZED	
5144	DIAMETER_ERROR_TRAFFIC_MAPPING_INFO_REJECTE	29.212 [19]
5145	DIAMETER_QOS_RULE_EVENT	[10]
5146	reserved	
5147	DIAMETER_ERROR_CONFLICTING_REQUEST	
5148	DIAMETER_ADC_RULE_EVENT	
5149	DIAMETER_ERROR_NBIFOM_NOT_AUTHORIZED	
J1 1 3	DIVINIE LEIVELVIVON MOIL ONI NO L'AO ILIONICED	

Note: The Ex	perimental Result Codes from 5150 to 5159 are reserved for the TS	S 29.212.					
5401	DIAMETER_ERROR_IMPI_UNKNOWN						
5402	DIAMETER_ERROR_NOT_AUTHORIZED	29.109 [7					
5403	DIAMETER_ERROR_TRANSACTION_IDENTIFIER_INVALID	•					
Note: The Ex	perimental Result Codes from 5404 to 5419 are reserved for the TS	S 29.109.					
5420	DIAMETER_ERROR_UNKNOWN_EPS_SUBSCRIPTION						
5421	DIAMETER_ERROR_RAT_NOT_ALLOWED	29.272 [21]					
5422	DIAMETER_ERROR_EQUIPMENT_UNKNOWN						
5423	DIAMETER_ERROR_UNKNOWN_SERVING_NODE						
Note: The Ex	perimental Result Codes from 5424 to 5449 are reserved for the TS	S 29.272.					
5450	DIAMETER_ERROR_USER_NO_NON_3GPP_SUBSCRIPTI ON						
5451	DIAMETER_ERROR_USER_NO_APN_SUBSCRIPTION	20, 272, [20]					
5452	DIAMETER_ERROR_RAT_TYPE_NOT_ALLOWED	29.273 [20]					
5453	DIAMETER_ERROR_LATE_OVERLAPPING_REQUEST						
5454	DIAMETER_ERROR_TIMED_OUT_REQUEST						
Note: The Ex	perimental Result Codes from 5455 to 5469 are reserved for the TS	3 29.273.					
5470	DIAMETER_ERROR_SUBSESSION						
5471	DIAMETER_ERROR_ONGOING_SESSION_ESTABLISHME NT	29.215 [22]					
Note: The Ex	perimental Result Codes from 5472 to 5489 are reserved for the TS	\$ 29.215.					
5490	DIAMETER_ERROR_UNAUTHORIZED_REQUESTING_NET WORK	29.173 [25]					
Note: The Ex	perimental Result Codes from 5491 to 5509 are reserved for the TS	\$ 29.173.					
5510	DIAMETER_ERROR_UNAUTHORIZED_REQUESTING_ENTI TY						
5511	DIAMETER_ERROR_UNAUTHORIZED_SERVICE						
5512	DIAMETER_ERROR_REQUESTED_RANGE_IS_NOT ALLOWED	1001 000 00					
5513	DIAMETER_ERROR_CONFIGURATION_EVENT_STORAGE _NOT_SUCCESSFUL	29.336 [28]					
5514	DIAMETER_ERROR_CONFIGURATION_EVENT_NON_EXIS TANT						
5515	DIAMETER_ERROR_SCEF_REFERENCE_ID_UNKNOWN						
	perimental Result Codes from 5516 to 5529 are reserved for the TS	S 29.336.					
5530	DIAMETER_ERROR_INVALID_SME_ADDRESS						
5531	DIAMETER_ERROR_SC_CONGESTION						
5532	DIAMETER_ERROR_SM_PROTOCOL	200 200 200					
5533	DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE	29.337 [29]					
5534	DIAMETER_ERROR_TRIGGER_RECALL_FAILURE						
5535	DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING						
Note: The Experimental Result Codes from 5536 to 5549 are reserved for the TS 29.337.							
5550	DIAMETER_ERROR_ABSENT_USER	29.338 [30]					

S551 DIAMETER ERROR FACILITY NOT SUPPORTED			
5553 DIAMETER ERROR ILLEGAL GUIPMENT	5551	DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS	
5554 DIAMETER ERROR SID BLIVERY FAILURE	5552	DIAMETER_ERROR_FACILITY_NOT_SUPPORTED	
55555 DIAMETER ERROR SM DELIVERY FAILURE	5553	DIAMETER_ERROR_ILLEGAL_USER	
S5566 DIAMETER ERROR SERVICE DATE SUBSCRIBED	5554	DIAMETER_ERROR_ILLEGAL_EQUIPMENT	
S557 DIAMETER_ERROR_MVD_LIST_FULL	5555	DIAMETER ERROR SM DELIVERY FAILURE	
S557 DIAMETER_ERROR_MVD_LIST_FULL	5556	DIAMETER ERROR SERVICE NOT SUBSCRIBED	
Note: The Experimental Result Codes from 5659 to 5659 are reserved for the TS 29.338.			
Note: The Experimental Result Codes from 5559 to 5569 are reserved for the TS 29.338.			
S570 DIAMETER ERROR UNKNOWN POLICY COUNTERS 29.219 26 Note: The Experimental Result Codes from 5571 to 5589 are reserved for the TS 29.219. S589 DIAMETER ERROR ORIGIN ALUID UNKNOWN S5891 DIAMETER ERROR TARGET ALUID UNKNOWN S592 DIAMETER ERROR PROBLEM S593 DIAMETER ERROR PEDI UNKNOWN S593 DIAMETER ERROR PEDI UNKNOWN S593 DIAMETER ERROR PEDI UNKNOWN S594 DIAMETER ERROR APP REGISTER REJECT S595 DIAMETER ERROR APP REGISTER REJECT S595 DIAMETER ERROR MAP REQUEST REJECT S595 DIAMETER ERROR REQUESTING RPAUID UNKNOWN S597 DIAMETER ERROR REQUESTING RPAUID UNKNOWN S597 DIAMETER ERROR REQUESTING RPAUID UNKNOWN S598 DIAMETER ERROR MISSING APPLICATION DATA S599 DIAMETER ERROR MISSING APPLICATION DATA S599 DIAMETER ERROR MISSING APPLICATION DATA S601 DIAMETER ERROR MISSING PULICATION DATA S601 DIAMETER ERROR MISSING PULICATION DATA Note: The Experimental Result Codes from 5603 to 5609 are reserved for the TS 29.343. S610 DIAMETER ERROR PROSE NOT ALLOWED 29.344 [33] S611 DIAMETER ERROR PROSE NOT ALLOWED 29.344 [33] S612 DIAMETER ERROR PROSE NOT ALLOWED 29.344 [33] S613 DIAMETER ERROR PROSE NOT ALLOWED 29.344 [34] S630 DIAMETER ERROR PROSE NOT ALLOWED 29.344 [34] S631 DIAMETER ERROR PROSE NOT ALLOWED 29.344 [34] S632 DIAMETER ERROR PROSE NOT ALLOWED 29.344 [34] S633 DIAMETER ERROR PROSENT ALLOWED 29.344 [34] S634 DIAMETER ERROR PROXIMITY REQUEST 5634 DIAMETER ERROR PROXIMITY REQUEST S636 DIAMETER ERROR PROXIMITY REQUEST 5635 DIAMETER ERROR PROXIMITY REQUEST 5636 DIAMETER ERROR INVALID TARGET PDUID S639 DIAMETER ERROR INVALID TARGET PDUID 5639 DIAMETER ERROR PROXIMITY REQUEST 5641 DIAMETER ERROR PROXIMITY REQUEST 5651 DIAMETER ERROR REQUESTED LOCATION NOT SERV ED DIAMETER ERROR REQUESTED LOCATION NOT SERV ED DIAMETER ERROR REQUESTED LOCATION NOT SERV ED DIAMETER ERROR REQUESTED LEVEN NOT SERVICE			S 29.338.
Note: The Experimental Result Codes from 5571 to 5589 are reserved for the TS 29.219.			
5590 DIAMETER ERROR ORIGIN ALUID UNKNOWN			
5591 DIAMETER_ERROR_TARGET_ALUID_UNKNOWN 5592 DIAMETER_ERROR_APP_REGISTER_REJECT 5594 DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE DESCRIPTION 5595 DIAMETER_ERROR_MAP_REQUEST_REJECT 5596 DIAMETER_ERROR_MAP_REQUEST_REJECT 5596 DIAMETER_ERROR_MAP_REQUEST_REJECT 5597 DIAMETER_ERROR_UNKNOWN_OR_INVALID_TARGET_S ET			10 10 20.210.
5592 DIAMETER_ERROR_PFID_UNKNOWN 5593 DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE D			
5593 DIAMETER_ERROR_APP_REGISTER_REJECT 5594 DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE 5595 DIAMETER_ERROR_MAP_REQUEST_REJECT 5596 DIAMETER_ERROR_REQUESTING_RPAUID_UNKNOWN 5597 DIAMETER_ERROR_REQUESTING_RPAUID_UNKNOWN 5597 DIAMETER_ERROR_UNKNOWN_OR_INVALID_TARGET_S ET			
DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE DESCRIPTION			
D 5596 DIAMETER_ERROR_MAP_REQUEST_REJECT 5596 DIAMETER_ERROR_REQUESTING_RPAUID_UNKNOWN 5597 DIAMETER_ERROR_UNKNOWN_OR_INVALID_TARGET_S ET 5598 DIAMETER_ERROR_MISSING_APPLICATION_DATA 5599 DIAMETER_ERROR_DISCOVERY_NOT_PERMITTED 5601 DIAMETER_ERROR_DISCOVERY_NOT_PERMITTED 5601 DIAMETER_ERROR_DISCOVERY_NOT_PERMITTED 5602 DIAMETER_ERROR_DISCOVERY_NOT_PERMITTED 5601 DIAMETER_ERROR_INVALID_APPLICATION_DATA Note: The Experimental Result Codes from 5603 to 5609 are reserved for the TS 29.343. 5610 DIAMETER_ERROR_PROSE_NOT_ALLOWED 5611 DIAMETER_ERROR_DISCOVERY_FILT ERROR_DIAMETER_ERROR_DISCOVERY_FILT ERROR_DIAMETER_ERROR_DISCOVERY_FILT ERROR_DIAMETER_ERROR_DISCOVERY_FILT ERROR_DIAMETER_ERROR_DISCOVERY_FILT ERROR_DIAMETER_ERROR_DIAMED 5631 DIAMETER_ERROR_NO_ASSOCIATED_DISCOVERY_FILT ERROR_DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED_IN_PLMN 5632 DIAMETER_ERROR_PROXIMITY_NOUNTHORIZED_DIAMETER_ERROR_PROXIMITY_NOUNTHORIZED_DIAMETER_ERROR_PROXIMITY_REJECTED 5634 DIAMETER_ERROR_PROXIMITY_REJECTED 5635 DIAMETER_ERROR_PROXIMITY_REJECTED 5636 DIAMETER_ERROR_PROXIMITY_REJECTED 5637 DIAMETER_ERROR_PROXIMITY_REJECTED 5638 DIAMETER_ERROR_PROXIMITY_REJECTED 5640 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5641 DIAMETER_ERROR_INVALID_TARGET_POUID 5652 DIAMETER_ERROR_INVALID_TARGET_POUID 56640 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5641 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5641 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5653 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5654 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5655 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5661 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5651 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5661 DIAMETER_E			-
S595 DIAMETER_ERROR_MAP_REQUEST_REJECT	5594		
S596 DIAMETER_ERROR_REQUESTING_RPAUID_UNKNOWN S597	FFOF		
5597 DIAMETER_ERROR_UNKNOWN_OR_INVALID_TARGET_S ET			00 040 [00]
ET			29.343 [32]
S598 DIAMETER_ERROR_MISSING_APPLICATION_DATA S599 DIAMETER_ERROR_AUTHORIZATION_REJECT 5600 DIAMETER_ERROR_DISCOVERY_NOT_PERMITTED 5601 DIAMETER_ERROR_TARGET_RPAUID_UNKNOWN 5602 DIAMETER_ERROR_INVALID_APPLICATION_DATA Note: The Experimental Result Codes from 5603 to 5609 are reserved for the TS 29.343. 5610 DIAMETER_ERROR_PROSE_NOT_ALLOWED 29.344 [33] 5611 DIAMETER_ERROR_PROSE_NOT_ALLOWED 29.344 [33] 5612 DIAMETER_ERROR_UE_LOCATION_UNKNOWN Note: The Experimental Result Codes from 5613 to 5629 are reserved for the TS 29.344. 5630 DIAMETER_ERROR_NO_ASSOCIATED_DISCOVERY_FILT_ERROR_DIAMETER_ERROR_NO_ASSOCIATED_DISCOVERY_FILT_ERROR_DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED_IN_PLMN 5631 DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED_DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED_DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED_DIAMETER_ERROR_PROXIMITY_REJECTED 5634 DIAMETER_ERROR_PROXIMITY_REJECTED 5635 DIAMETER_ERROR_PROXIMITY_CANCELLED 5636 DIAMETER_ERROR_INVALID_TARGET_PDUID 5637 DIAMETER_ERROR_INVALID_TARGET_PDUID 5640 DIAMETER_ERROR_INVALID_TARGET_PDUID 5641 DIAMETER_ERROR_INVALID_TARGET_REPAUID 5640 DIAMETER_ERROR_INVALID_TARGET_REPAUID 5641 DIAMETER_ERROR_INVALID_TARGET_PDUID 5640 DIAMETER_ERROR_INVALID_TARGET_PDUID 5641 DIAMETER_ERROR_INVALID_TARGET_PDUID 5640 DIAMETER_ERROR_INVALID_TARGET_PDUID 5651 DIAMETER_ERROR_INVALID_TARGET_PDUID 5652 DIAMETER_ERROR_INVALID_TARGET_PDUID 5653 DIAMETER_ERROR_INVALID_TARGET_PDUID 5654 DIAMETER_ERROR_INVALID_TARGET_PDUID 5655 DIAMETER_ERROR_INVALID_TARGET_PDUID 5651 DIAMETER_ERROR_INVALID_TARGET_PDUID 5652 DIAMETER_ERROR_INVALID_TARGET_PDUID 5653 DIAMETER_ERROR_TROUBLED 5654 DIAMETER_ERROR_TROUBLED 5655 DIAMETER_ERROR_TROUBLED 5656 DIAMETER_ERROR_TROUBLED 5657 DIAMETER_ERROR_TROUBLED 5658 DIAMETER_ERROR_TROUBLED 5659 DIAMETER_ERROR_TROUBLED 5659 DIAMETER_ERROR_TROUBLED 5650 DIAME	5597		
S599 DIAMETER_ERROR_AUTHORIZATION_REJECT		<u></u>	
S600 DIAMETER_ERROR_DISCOVERY_NOT_PERMITTED			
S601 DIAMETER_ERROR_TARGET_RPAUID_UNKNOWN S602 DIAMETER_ERROR_INVALID_APPLICATION_DATA			
Note: The Experimental Result Codes from 5603 to 5609 are reserved for the TS 29.343.			
Note: The Experimental Result Codes from 5603 to 5609 are reserved for the TS 29.343.			
S610 DIAMETER_ERROR_UNKNOWN_PROSE_SUBSCRIPTION			
S611 DIAMETER_ERROR_PROSE_NOT_ALLOWED 29.344 [33] 5612 DIAMETER_ERROR_UE_LOCATION_UNKNOWN Note: The Experimental Result Codes from 5613 to 5629 are reserved for the TS 29.344. 5630 DIAMETER_ERROR_NO_ASSOCIATED_DISCOVERY_FILT ER	Note: The Exp		S 29.343.
Note: The Experimental Result Codes from 5613 to 5629 are reserved for the TS 29.344.	5610		
Note: The Experimental Result Codes from 5613 to 5629 are reserved for the TS 29.344. 5630 DIAMETER_ERROR_NO_ASSOCIATED_DISCOVERY_FILT ER 5631 DIAMETER_ERROR_ANNOUNCING_UNAUTHORIZED_IN_ PLMN 5632 DIAMETER_ERROR_INVALID_APPLICATION_CODE 5633 DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED 5634 DIAMETER_ERROR_PROXIMITY_REJECTED 5635 DIAMETER_ERROR_NO_PROXIMITY_REQUEST 5636 DIAMETER_ERROR_UNAUTHORIZED_SERVICE_IN_THIS_ PLMN 5637 DIAMETER_ERROR_PROXIMITY_CANCELLED 5638 DIAMETER_ERROR_INVALID_TARGET_PDUID 5639 DIAMETER_ERROR_INVALID_TARGET_PDUID 5640 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5641 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_INVALID_EPS_BEARER 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_INVALID_EPS_BEARER 5653 DIAMETER_ERROR_INVALID_EPS_BEARER 5650 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL_E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 29.388 [40]	5611		29.344 [33]
DIAMETER_ERROR_NO_ASSOCIATED_DISCOVERY_FILT ER	5612	DIAMETER_ERROR_UE_LOCATION_UNKNOWN	
ER 5631 DIAMETER_ERROR_ANNOUNCING_UNAUTHORIZED_IN_PLMN 5632 DIAMETER_ERROR_INVALID_APPLICATION_CODE 5633 DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED 5634 DIAMETER_ERROR_PROXIMITY_ERJECTED 5635 DIAMETER_ERROR_NO_PROXIMITY_REQUEST 5636 DIAMETER_ERROR_UNAUTHORIZED_SERVICE_IN_THIS_PLMN 5637 DIAMETER_ERROR_PROXIMITY_CANCELLED 5638 DIAMETER_ERROR_INVALID_TARGET_PDUID 5639 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5640 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_INVALID_EPS_BEARER 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_INVALID_EPS_BEARER 5653 DIAMETER_ERROR_INVALID_EPS_BEARER 5650 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL_E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL_E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128 [36] Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 29.388 [40]	Note: The Expe	erimental Result Codes from 5613 to 5629 are reserved for the Ta	S 29.344.
DIAMETER_ERROR_ANNOUNCING_UNAUTHORIZED_IN_PLMN			
PLMN 5632 DIAMETER_ERROR_INVALID_APPLICATION_CODE 5633 DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED 5634 DIAMETER_ERROR_PROXIMITY_REJECTED 5635 DIAMETER_ERROR_NO_PROXIMITY_REQUEST 5636 DIAMETER_ERROR_UNAUTHORIZED_SERVICE_IN_THIS_PLMN 5637 DIAMETER_ERROR_PROXIMITY_CANCELLED 5638 DIAMETER_ERROR_INVALID_TARGET_PDUID 5639 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5640 DIAMETER_ERROR_INVALID_TARGET_RESTRICTED_CODE 5641 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERVED 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_INVALID_EPS_BEARER 5653 DIAMETER_ERROR_INVALID_EPS_BEARER 5654 DIAMETER_ERROR_INVALID_EPS_BEARER 5655 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABLED Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABLED Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABLED Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABLED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 29.388 [40]		ER	
DIAMETER_ERROR_INVALID_APPLICATION_CODE	5631	DIAMETER_ERROR_ANNOUNCING_UNAUTHORIZED_IN_	
5633 DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED 5634 DIAMETER_ERROR_PROXIMITY_REJECTED 5635 DIAMETER_ERROR_NO_PROXIMITY_REQUEST 5636 DIAMETER_ERROR_UNAUTHORIZED_SERVICE_IN_THIS_PLMN 5637 DIAMETER_ERROR_PROXIMITY_CANCELLED 5638 DIAMETER_ERROR_INVALID_TARGET_PDUID 5639 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5640 DIAMETER_ERROR_INVALID_TARGET_RESTRICTED_CO DE		PLMN	
S634 DIAMETER_ERROR_PROXIMITY_REJECTED 5635 DIAMETER_ERROR_NO_PROXIMITY_REQUEST 5636 DIAMETER_ERROR_UNAUTHORIZED_SERVICE_IN_THIS_PLMN 5637 DIAMETER_ERROR_PROXIMITY_CANCELLED 5638 DIAMETER_ERROR_INVALID_TARGET_PDUID 5639 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5640 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5641 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV ED	5632	DIAMETER_ERROR_INVALID_APPLICATION_CODE	
S634 DIAMETER_ERROR_PROXIMITY_REJECTED 5635 DIAMETER_ERROR_NO_PROXIMITY_REQUEST 5636 DIAMETER_ERROR_UNAUTHORIZED_SERVICE_IN_THIS_PLMN 5637 DIAMETER_ERROR_PROXIMITY_CANCELLED 5638 DIAMETER_ERROR_INVALID_TARGET_PDUID 5639 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5640 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5641 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV ED	5633	DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED	
5635 DIAMETER_ERROR_NO_PROXIMITY_REQUEST 5636 DIAMETER_ERROR_UNAUTHORIZED_SERVICE_IN_THIS_PLMN 5637 DIAMETER_ERROR_PROXIMITY_CANCELLED 5638 DIAMETER_ERROR_INVALID_TARGET_PDUID 5639 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5640 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV ED 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAIL ABLE S653 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128 5670 DIAMETER_ERROR_UNKNKOWN_DATA 29.283 [39] Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 29.388 [40]	5634		İ
5636 DIAMETER_ERROR_UNAUTHORIZED_SERVICE_IN_THIS_PLMN 5637 DIAMETER_ERROR_PROXIMITY_CANCELLED 5638 DIAMETER_ERROR_INVALID_TARGET_PDUID 5639 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5640 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CODE 5641 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_INVALID_EPS_BEARER 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_INVALID_EPS_BEARER 5653 DIAMETER_ERROR_INDD_CONFIGURATION_NOT_AVAIL_ABLE Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL_E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.283 [39] Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED		DIAMETER ERROR NO PROXIMITY REQUEST	
PLMN 5637 DIAMETER_ERROR_PROXIMITY_CANCELLED 5638 DIAMETER_ERROR_INVALID_TARGET_PDUID 5639 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5640 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5641 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV ED 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAIL ABLE 5653 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_UNKNKOWN_DATA 5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED			29.345 [34]
DIAMETER_ERROR_PROXIMITY_CANCELLED			
5638 DIAMETER_ERROR_INVALID_TARGET_PDUID 5639 DIAMETER_ERROR_INVALID_TARGET_RPAUID 5640 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE	5637		
DIAMETER_ERROR_INVALID_TARGET_RPAUID			
5640 DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO DE 5641 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV ED 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAIL ABLE 5653 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_UNKNKOWN_DATA 5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 29.388 [40]		DIAMETER ERROR INVALID TARGET RPALID	
DE 5641 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV ED 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAIL ABLE 5653 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_UNKNKOWN_DATA 5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]			
S641 DIAMETER_ERROR_INVALID_DISCOVERY_TYPE	3070		
Note: The Experimental Result Codes from 5642 to 5649 are reserved for the TS 29.345. 5650 DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV ED 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAIL ABLE 5653 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_UNKNKOWN_DATA 5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]	5641		
5650 DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV ED 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAIL ABLE 5653 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_UNKNKOWN_DATA 5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]			S 29 345
ED 5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAIL ABLE 5653 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_UNKNKOWN_DATA 5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]			<u> </u>
5651 DIAMETER_ERROR_INVALID_EPS_BEARER 5652 DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAIL ABLE 5653 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_UNKNKOWN_DATA 5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]	3030		
5652 DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAIL ABLE 5653 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_UNKNKOWN_DATA 5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]	5651		}
ABLE 5653 DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_UNKNKOWN_DATA 5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]			20 120 [26]
DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E	3032		29.120 [30]
E Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128.	EGEO		
Note: The Experimental Result Codes from 5654 to 5669 are reserved for the TS 29.128. 5670 DIAMETER_ERROR_UNKNKOWN_DATA 5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]	5053		
5670DIAMETER_ERROR_UNKNKOWN_DATA29.283 [39]5671DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED29.283 [39]Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128.5690DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION29.388 [40]5691DIAMETER_ERROR_V2X_NOT_ALLOWED	Note: The Fire		C 20 120
5671 DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED 29.283 [39] Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. 5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 29.388 [40] 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]			5 29.128. I
Note: The Experimental Result Codes from 5672 to 5689 are reserved for the TS 29.128. Solition			29.283 [39]
5690 DIAMETER_ERROR_UNKNOWN_V2X_SUBSCRIPTION 5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]			
5691 DIAMETER_ERROR_V2X_NOT_ALLOWED 29.388 [40]			S 29.128.
5691 DIAMETER_ERROR_VZX_NOT_ALLOWED			29.388 [40]
Note: The Experimental Result Codes from 5692 to 5709 are reserved for the TS 29.388.			
	Note: The Exp	erimental Result Codes from 5692 to 5709 are reserved for the T	S 29.388.

Annex A (informative): Assignment of the Diameter codes and identifiers in 3GPP

This annex defines the recommended assignment procedure of Diameter codes and identifiers within the 3GPP.

A.1 Application identifiers

If a working group detects it will require a new application identifier, it should contact the 3GPP TSG-CN WG 4 via a Liaison Statement. The LS shall contain the name of the Diameter application and a reference to the corresponding 3GPP TS. The 3GPP TSG-CN WG 4 will then request the application identifier from IANA. When the application identifier is received, the corresponding working group will be informed by 3GPP TSG-CN WG 4 and the table 4.1 in this specification will be updated.

According to RFC 3588 the creation of a new application should be avoided if at all possible and therefore it is recommended to use the existing application identifiers whenever possible.

A.2 Command codes

If a working group detects there is a need for a new command code(s) from the 3GPP's range, it should contact the 3GPP TSG-CN WG 4 via an LS. The LS shall contain the reference to the 3GPP TS, which specifies the command(s). The 3GPP TSG-CN WG 4 will inform the assigned command code(s) to the corresponding working group and the table 5.1 in this specification will be updated.

It should be noted that the standard command codes allocated for 3GPP are scarce resource and getting new ones would require IETF specification work to be done. Therefore it is recommended to use the existing command codes whenever possible.

A.3 AVP codes

If a working group detects a Diameter application needs new 3GPP specific AVP codes, it should contact the 3GPP TSG-CN WG 4 via an LS. The LS shall contain the name of the Diameter application and a reference to the corresponding 3GPP TS. The 3GPP TSG-CN WG 4 will allocate a range of 100 AVP codes for the application. The range will be informed to the corresponding working group and the table 7.1 will be updated in this specification to show the reserved range. The working group can use the allocated range as a working assumption when defining the actual AVPs.

When the corresponding working group has specified the AVPs, and the specification has been approved and is under CR control, it should inform the AVPs to the 3GPP TSG-CN WG 4 via an LS. The LS should list the used AVP codes in the form of the table 7.1.

If there will be defined new AVPs for a Diameter application through the CR procedure, the assigned AVP range can be used, but the 3GPP TSG-CN WG 4 should be also informed about the new AVP codes via an LS.

Re-using of the existing AVPs is recommended, but special attention should be paid on the use of enumerated AVPs. Defining new values for an enumerated AVP should be agreed case by case with the working group responsible of the particular enumerated AVP. 3GPP TSG-CN WG 4 shall be informed via an LS about the new values assigned to the enumerated AVP.

A.4 Result codes

If a working group detects a Diameter application needs new 3GPP specific result codes, it should contact the 3GPP TSG-CN WG 4 via an LS. The LS shall contain the name of the Diameter application and a reference to the corresponding 3GPP TS. The 3GPP TSG-CN WG 4 will allocate a range of 20 result codes from each required result code group for the application. The ranges will be informed to the corresponding working group and the tables in the chapter 8 of this specification will be updated to show the reserved ranges. The working group can use the allocated ranges as a working assumption when defining the actual result codes.

When the corresponding working group has specified the result codes, and the specification has been approved and is under CR control, it should convey the codes to the 3GPP TSG-CN WG 4 via an LS. The LS should list the used result codes in the form of the tables in chapter 8.

If there will be defined new result codes for a Diameter application through the CR procedure, the assigned result code ranges can be used, but the 3GPP TSG-CN WG 4 should be also informed about the new result codes via an LS.

Re-using of the existing result codes is recommended.

Annex B (informative): Change history

Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	New
2004-06	CN#24	NP-040292			Version 2.0.0 presented for information and approval	6.0.0
2004-09	CN#25		001		Correction of Charging application reference	6.1.0
2004-09	CN#25		002		Correction of the Application-Id code	6.1.0
2004-09	CN#25	NP-040401	003		Removal of User Data Request Type AVP	6.1.0
2004-09	CN#25	NP-040412	004	1	Re-numbering of 3GPP specific AVP codes.	6.1.0
2004-12	CN#26		006	i -	Inclusion of missing Cx AVPs	6.2.0
2004-12	CN#26	NP-040580	007	1	Reservation of command code 310	6.2.0
2004-12	CN#26	NP-040579	009	1	Addition of Gmb interface	6.2.0
2004-12	CN#26		010	2	Documenting the Reuse of the 3GPP specific application identifier of Ro for	6.2.0
200112	011,1120	0.0000	0.0	_	Re on the Charging Interfaces	0.2.0
2004-12	CN#26	NP-040579	011		Gq interface allocations	6.2.0
2004-12	CN#26	NP-040579	012		Addition of Gx interface	6.2.0
2005-03	CN#27	NP-050047	040	1	WLAN Diameter AVP and result codes	6.3.0
		NP-050039	043		Allocations for Gx interface	
		NP-050039	045		Allocations for Gmb interface	
		NP-050039	046		Allocations for MMS, MM10 Interface	
2005-06	CT#28	CP-050088	0050		Gx interface allocation correction	6.4.0
		CP-050196	0051	1	Addition of Maximum-Number-Accesses AVP	
2005-09	CT#29	CP-050440	0052	1	Private identities on the Cx	6.5.0
		CP-050310	0053		Addition of Pr reference point to TS 29.230	
		CP-050310	0054		Error code cleanup	
		CP-050310	0056		Addition of Rx ref. point and renaming of Experimental Result Codes	
2005-09	CT#29	CP-050317	0055		Addition of GUSS timestamp AVP	7.0.0
2005-12	CT#30		0058		Addition of GBA-Type AVP	7.1.0
			0063		Additional Gmb AVP Allocation	
		CP-050612	0065		Reservation of AVP codes for 32.299	
		CP-050625			Management of Sh subscriptions	
2006-03	CT#31	CP-060073	0069		Adding data type of some of WLAN-related AVPs	7.2.0
		CP-060084	0071		User-Data in the response to Sh-Subs-Notif	
		CP-060084	0072	1	New error indications for the Sh-Subs-Notif procedure	
2006-06	CT#32	CP-060302	0075		S-CSCF reselection removal	7.3.0
2006-09	CT#33	CP-060417	0077	3	New AVP Code	7.4.0
		CP-060417	0080		Errors to be sent in response to Sh-Notif	
		CP-060417	0081		Definition of specific Diameter codes for DSAI	
2006-12	CT#34	CP-060566	0085	1	Optimization of handling of Wildcarded PSIs	7.5.0
		CP-060562	0086		Addition of Diameter Error Code for Emergency Purposes	
		CP-060555	0087		Allocation of new AVP codes for Gmb	
		CP-060555	0089		AVP code allocations for Rf and Ro interfaces	
			0091		Allocation of Success Result Code Range for Gi Interface	
2007-03	CT#35		0093		C3 requested addition of new AVP code values to 3GPP TS 29.230	7.6.0
			0093		Allocation of new AVP code for DSAI-Tag AVP	
			0093		Allocation of Experimental-Result-Code AVP for Gi Interface	
2007-06	CT#36	CP-070318			Diameter application ID for the Rel-7 Rx interface	7.7.0
		CP-070312			Experimental-Result-Codes for Gmb interface	
		CP-070312			Correction of Diameter AVP code allocation	
2007-09	CT#37		0102		Application ID for Gx protocol	7.8.0
2007-12	CT#38	CP-070743	0104		AVP code reservation for 32.299 in Rel-7	7.9.0
			0105		Allocation of 3GPP specific AVP codes and Experimental Result Codes for	
					Gx protocol	
2007-12	CT#38	CP-070755		4	AVP assignments to support SIP Digest Authentication	8.0.0
			0103		AVP code reservation for 32.299 in Rel-8	
2008-03	CT#39		0109		Correction of reference to TS 29.140	8.1.0
			0111		AVP code reservation for TS 32.299 in Rel-8	
			0107		Wildcarded Public User Identities	
			0112		Correction on AVP code allocation reservation for TS 32.299 in Rel-7	
005-			0113	1	Correction on AVP code allocation reservation for TS 32.299	
2008-06	CT#40		0117	1	A new Diameter Permanent Failure Code for Gx	8.2.0
2008-09	CT#41		0119	ļ. —	Emergency Public User Identity Removal	8.3.0
2008-09	CT#41		0121	1	Support of "Loose-Route" indication from HSS	
2008-09	CT#41		0122	1	STaMIP Application Id	
2008-09	CT#41		0123		Cx Impacts of IMS Restoration Procedures (New AVP Codes Assignment)	J
2008-09	CT#41		0124		New AVP Code Assignment for Forking Service Restoration	8.3.0
2008-12	CT#42			2	Diameter Protocol Codes Assignments for S6a/S6d/S13	8.4.0
2008-12	CT#42		0128	1	Diameter code assignments for 3GPP TS 29.273	8.4.0
2009-03	CT#43	CP-090044	0130	1	Update for ReadyForSM	8.5.0

2009-03	CT#43	CP-090044		1	Handling LCS Subscription Data	8.5.0
2009-03	CT#43	CP-090026		1	Update for Restoration	8.5.0
2009-03	CT#43	CP-090024			Applds for Gxx and S9	8.5.0
2009-03	CT#43	CP-090033		_	Appld and command code for Zpn	8.5.0
2009-03	CT#43	CP-090024		1	AVP codes for S9 protocol	8.5.0
009-03	CT#43	CP-090024	0138	1	Diameter AVP Code allocation	8.5.0
009-03	CT#43	CP-090024	0140	1	Location of Permanent Failure result code range for the S9 application	8.5.0
009-03	CT#43	CP-090024	0141		AVPs for TS 29.273	8.5.0
2009-03	CT#43	CP-090024		1	Error code allocation for authentication failure	8.5.0
2009-06	CT#44	CP-090299			Update of the AVP Codes	8.6.0
-000 00	01//-11	CP-090299		_	AVP code reservation for TS 32.299	- 0.0.0
			0145		Diameter Command Codes for S6a/S6d/S13/S13'	-
		CF-090299				-
		00 00000	0146		Removal of Requesting Node Type from AIR	4
	OT:: 1=	CP-090299			S6b Application ID	
2009-09	CT#45	CP-090530			Allocation of Experimental-Result-Codes for S9 protocol	8.7.0
		CP-090530			AVP code allocation for TS 29.212	
		CP-090531			Update of the AVP type for the User-Id	
		CP-090531	0153		Trace Depth per session	
2009-09	CT#45	CP-090557	0148		AVP code range for charging	9.0.0
2009-12	CT#46	CP-090800		1	ICS-Flag	9.1.0
, <u>-</u>	10	CP-091032		1	From GMLC-Address to GMLC-Number	
		5. 001002	0160		Session-Priority AVP	-
			0163	2	Introduction of SLh application related AVPs and Experimental Result codes	1
		1	0166	_	Missing AVP error codes	-
		CD 000707		1		+
2040.00	CT#47	CP-090797	0167		Introduction of SLg application related AVPs and Application Identifier	0.00
2010-03	CT#47		0158		Wildcarded Public Identity	9.2.0
		CP-100034			Correction on AVP code allocation reservation for TS 32.299 in Rel-9	
		CP-100046		1	AVP code allocation for 29.172	4
		CP-100036	_		GPL_U support in TS 29.109	
		CP-100046			Error codes in 29.172 for SLg	
		CP-100048		1	AVPs in 29.272 for TADS support	
		CP-100040	0175		Error codes in 29.272 for Unknown MME	
		CP-100236	0176	4	EPS Subcsriber State and Location Information Request	
		CP-100033			One time notification AVP allocation	1
		CP-100046			Addition of the LCS-QoS-Class attribute value	7
		CP-100175			Introduction of the LCS-Capabilities-Sets AVP in SLh interface	
2010-06	CT#48	CP-100263	0188	1	AVP Codes for PCC	9.3.0
2010-00	01#40	C1 -100203	0183	1	EPS state and location retrieval	9.5.0
		CP-100287			SGmb Application ID	4
				4		-
2040.00	OT#40	CP-100277			New APVs in S6a protocol	0.46
2010-09	CT#49	CP-100463		1	Addition of Diameter codes and identifiers for the SLg and SLh interfaces	9.4.0
		CP-100464			AVP Codes Allocation for PCC	
2010-09	CT#49	CP-100465			SIPTO Permission Indicator	10.0
		CP-100466			Location data including only serving node address	
		CP-100466	0199	1	AVP for Update-Eff feature	
2010-12	CT#50	CP-100699	0205		Enhanced SRVCC Subscriber Data	10.1
		CP-100687	0201	1	Allocate codes for AVPs on eMPS	
		CP-100683	0200	1	Allocate codes for AVPs on LIPA	
		CP-100688		1	Periodic TAU/RAU timer in HSS subscription	
		CP-100846		1	S6a Error Diagnostic	
2011-03	CT#51	CP-110051		i .	PDP-Address correction	10.2
-5.1.00	0.,,01	CP-110054			Essential correction on the value type of the ELP Application AVPs	٠٠٠٤
		CP-110034		2	Minimization of Drive Tests (MDT)	+
		CP-110087			Relay Node Indicator AVPs	\dashv
2014.00	CT#F0				,	10.0
2011-06	CT#52	CP-110349		4	Handling of RTR for Emergency Registration	10.3
		CP-110347		1	Add AVPs from QSPEC cleanup	4
		CP-110359			MIPv4 security parameters on the STa and S6b interfaces	4
		CP-110380			MDT user consent	4
		CP-110370			AVP Code Allocation for Pre-paging	_
		CP-110375		1	PUR-Flags AVP	
2011-09	CT#53	CP-110559	0236	1	AVP code alignment with 29.212	10.4
		CP-110555	0239	1	AVP code alignment with 32.299	
		CP-110554		1	AVP code alignment with 29.214	
		CP-110552			Experimental Result Code Alignment with 29.061	
		CP-110555			Failure code and AVP code alignment with 29.212	1
		CP-110722		2	Priviledged sender	-
2011-09	CT#53	CP-110722			Add vSRVCC updates to the Diameter AVP code table	11.0
2011-09	U1#33			ı		11.0
		CP-110579		-	AVP code alignment with 32.299	4
		CP-110555			AVP code reservation for 29.212	
2011-12	CT#54	CP-110812		1	SWx Restoration AVPs	11.1
		CP-110812		L	Sy and Sd Application IDs	
		CP-110775	0262		New AVP codes for MBMS IP unicast encapsulation	
		CP-110775			New AVP codes for MBMS IP multicast encapsulation	

		CP-110811		Equivalent PLMN CSG Subscription Request	4
	0	CP-110781		Restoration of Wildcarded-IMPU AVP	
2012-03	CT#55	CP-120025		Codes Allocation for AVPs on Initial Attach	11.2.0
		CP-120038		New AVP codes for Absolute Time of MBMS Data Transfer over SGmb	
	O=#=0	CP-120038		Allocating Diameter AVP codes for TS 29.219 and TS 29.212	
2012-06	CT#56	CP-120240		Codes Allocation for AVPs on NPLI	11.3.0
		CP-120238	0294 1	Adding new Diameter AVPs to Diameter table to support Trusted WLAN	
				Access feature	
		CP-120225		Trust Relationship Indication	
		CP-120251		Corrections to reference titles	
		CP-120251		Diameter Code Allocation for TS 29.219	
		CP-120247		Network Name AVP codes	
		CP-120219		Duplicated AVP names	
2012-09	CT#57	CP-120481		PS additional number allocation	11.4.0
		CP-120473		SMS in MME/SGSN	
		CP-120461		AAA Failure Recovery AVP codes	
		CP-120474		Transport Access Type AVP for BBAI	
		CP-120480		Local Time Zone	
		CP-120472	0308 -	Allocating Application Identifier and command code for Tsp interface	
		CP-120472	0309 -	Application Identifier, Command Codes and AVP range for S6m interface	
		CP-120667	0312 1	GMLC-Name	
			0313 1	Reference list correction to align with the corrected TS 29.212 title	1
2012-12	CT#58	CP-120731		T4 device triggering via IMS	11.5.0
		CP-120731		Codes and Identifier Allocation for T4 Specification	_]
		CP-120731		AVP Code Allocation for 29.336	_]
		CP-120731		Diameter AVP code value allocation in TS 29.368	
		CP-120732		Application Identifier, Command Codes and AVP codes for SGd, S6c	
		CP-120716		AVP name modification in TS 32.299	
		CP-120742		UE Time Zone AVP	
		CP-120741		Use of Flag instead of Enumerated AVPs	
		CP-120741		Use of Flag instead of Enumerated AVPs	
		CP-120743		PSI direct routing with restoration procedures	7
		CP-120743		EPS LocationInformation Support	
2013-03	CT#59	CP-130026		Diameter error code for TS 29.219	11.6.0
	000	CP-130026		MDT parameters	
2013-03	CT#59	CP-130156		New AVPs for Lgd interface	12.0.0
2010 00	01//00	CP-130030		Validity Time of Short Message	- 12.0.0
2013-06	CT#60	CP-130288		Add new DER-S6b-flag AVP	12.1.0
-010 00	01//00	CP-130298		Failure Result Codes Allocation for TS 29.219	- 12
		CP-130292		Diameter AVP codes for new TS 32.299 AVPs	-
		CP-130279		Definition of SS Status for Call Barring	-
		CP-130380		New SGs-MME-Identity AVP	
		CP-130291		New AVPs for deferred MT-LR and periodic MO-LR TTTP procedures over	-
		C1 -130291	0340 2	Lgd interface	
		CP-130297	0347 1	Application Port Identifier	
		CP-130297		MTRR on Sh	
		CP-130295		Restoration Priority during SGW and PGW restoration procedures	
		CP-130293		SIPTO permission for Local Network enhancements	
2012 00	CT#61				12.2.0
2013-09	CT#61	CP-130454		New MBMS flag for eMBMS restoration AVP code reservation for TS 32.299 Rel-12	12.2.0
		CP-130461			-
2040.00		CP-130460	0368 -	Allocation of Diameter codes and identifiers for 29.212 and 29.215	400
2013-09			-	Vendor-specific command code for Trigger-Establishment-Request/Answer	12.2.1
2040 42	OT"65	OD 10000	0000	corrected	40.0
2013-12	CT#62	CP-130624		New AVP for optimized LCS procedure for combined MME/SGSN	12.3.0
		CP-130631		Adding E-SMLC provided Cell info and Cell Portion	4
	1	CP-130800		New AVPs for SMS for IMS UE without MSISDN in TS 29.338	_
	1	CP-130600		Allocation of Diameter codes for 32.299	_
		CP-130605		Allocation of Diameter codes for 29.212	1
		CP-130639		SGSN CAMEL Subscription Indication	
2014-03	CT#63	CP-140180		Protocol enhancements for the support of device replace procedure	12.4.0
		CP-140035	0384 -	New AVP for the support of combined MME/SGSN	
	<u>L</u>	CP-140023	0383 1	Definition of WLAN-related AVPs	1
2014-06	CT#64	CP-140211	0385 1	Protocol enhancements to indicate support of device recall and replace by	12.5.0
	1	1		SMS-SC	
	İ	CP-140251	0402 1	AVP allocation for Error handling, MTC error diagnostic	7
	1	CP-140257		SS-Status AVP Definition	ヿ
	İ	CP-140252		Definition of AVPs for Network Location in TWLAN	┪
	1	CP-140236		TWAN-BSSID AVP re-naming	┪
	1	CP-140236		New AVPs for Trusted WLAN access	┥
	}				\dashv
0011.00	CT#CF	CP-140231		Adding Codes for 29.214	10.00
2014-09	CT#65	CP-140515		T-GRUU restoration	12.6.0
		CP-140517		MB2-C codes	4
	1	CP-140505		New AVPs for Trusted WLAN access	_
		100 440500	10406 4	P-CSCF Restoration indication	
	Į.	CP-140506 CP-140516		Closing TS 29.234 and reused AVP in TS 29.273	_ {

		CP-140513	0408	-	Identification of the HSS	1
2014-12	CT#66	CP-140785	0409	1	Editorial: WLAN-offloadability AVP codes added as in CR C4-141648. New AVP for MBMS restoration	12.7.0
2014-12 01#00	CF-140763	0430		New Diagnostic-Info AVP for MBMS restoration	12.7.0	
			0410	1	WLCP key for WLCP signalling protection	1
			0411	-	Reset-ID Reset-ID	1
			0416	1	Code definitions for 32.299	
			0428	-	Removal of I-WLAN AVPs	<u> </u>
				1	Reference correction	<u> </u>
			0433	-	Code allocation for 29.212	<u> </u>
			0418 0422	1	MDT PLMN List Codes Allocation for PC2 Protocol	1
			0422		Codes Allocation for PC4a Protoco	_
				3	Allocation of values for Application ID, Command codes, AVP codes and Experimental-Result codes used in the TS 29.345	
			0434	1	Command Code and Error Code for ProSe Initial Location Information Retrieval	
			0425	-	Corrections of the type of some AVPs	1
			0426	1	OFR-Flags AVP code	
			0427	1	P-CSCF Restoration mechanism new error	
2015-03	CT#67	CP-150015	0447	-	Renaming of Location-Type AVP	12.8.0
i				1	Location reporting in emergency 1xSRVCC	
İ			0435	-	AVP codes for GCSE MB2-C	_
			0442 0438		New AVPs and range of transient failure result codes in TS 29.214 Allocation of code for Authorized-Discovery-Range AVP (TS 29.344)	<u> </u>
			0436		Location Update Trigger	1
			0441	1	AVP codes allocation for Validity related AVPs for TS 29.345	1
			0443	-	Allocation of codes for the Integrity Checks. Aspect AVPs	1
2015-03	CT#67	CP-150039	0439	1	Diameter Application Identifier for Np protocol	13.0.0
2015-06	CT#68	CP-150257	0450	1	AVP code allocation for Match Refresh Timer AVP in TS 29.345	13.1.0
		CP-150247		-	Wrong CR implementation of CR 0416r1	
		CP-150249		1	AVP code allocation for 32.299	<u> </u>
		CP-150263		1	AVP codes for Access Restriction Data per PLMN	<u> </u>
0045.00	OT#00	CP-150372		-	IP-SM-GW-Realm	40.00
2015-09	CT#69	CP-150454 CP-150442		-	Subscription data for extended buffering at the SGW Overlapping transaction over S6b	13.2.0
		· ·	0463	2	Addition of IMSI Group Id AVP definition	1
		E .	0465		Addition of CP parameter AVP definition	<u>.</u>
				1	AVP codes for TS 29.212	İ
	İ	CP-150456		3	AVP definiton for S6t	Ī
2015-12	CT#70	CP-150761		-	Addition of MBMS-Cell-List AVP	13.3.0
		CP-150778		-	S6t Application ID and Command Codes	<u> </u>
		CP-150778			Bitmask to inform the SCEF of the Monitoring capabilities	_
		CP-150778 CP-150778	0490	1	AVP codes for MONTE T6a/b interface Correction to SCEF-Reference-ID and SCEF-Reference-ID-For-Deletion data	_
		CF-150776	0491	ļ'	types	
		CP-150778	0494	2	Definition of AVP for deletion of all Monitoring events assigned to a	
		00 450770	0504		subscriber (UE)	_
		CP-150778 CP-150778		1	Definition of AVP SCEF-ID	<u> </u>
	1	CP-150778 CP-150770			Service result per Event configuration Emergency PDN connection over untrusted WLAN access	1
		E .	0475	† <u>.</u>	EPC-MT-LR and PS-MT-LR procedure for UEs transiently not reachable due	†
					to power saving	
			0497	1	Mobile Terminating SMS handling for extended Idle mode DRX]
		CP-150776	0498	1	Mobile Terminating SMS handling for extended Idle mode DRX – Additional	
		05 155	0:		Option	1
		CP-150777			Commands and codes for Np protocol	1
		CP-150772		1	Definition of ProSe-Metadata-Index-Mask	4
		CP-150772 CP-150772		Ε-	Addition of AVPs and result-codes Addition of AVP used in match report procedure for eProSe-Ext-CT	-
		CP-150772		1	Allowed WAF and/or WWSF Identities	1
		CP-150773		<u> -</u>	Add the default access type to 3GPP specific AVP	1
			0484	1	AVP code allocation for "UE Usage Type"	1
				1-	Metadata in Match-Report	j
		CP-150755	0400			
			0488	<u> </u>	New Group AVP for ProSe direct discovery procedures	
		CP-150755 CP-150771	0488 0492	- 1	New Group AVP for ProSe direct discovery procedures Definition of AVP for AESE-CT	}
		CP-150755 CP-150771 CP-150771	0488 0492 0496	1	New Group AVP for ProSe direct discovery procedures Definition of AVP for AESE-CT Command codes and AVP range for TS 29.154 and TS 29.153	
2010	O.T.	CP-150755 CP-150771 CP-150771 CP-150776	0488 0492 0496 0495	- 1 1	New Group AVP for ProSe direct discovery procedures Definition of AVP for AESE-CT Command codes and AVP range for TS 29.154 and TS 29.153 AVP codes for Indoor Positioning support in SLg/Lgd	
2016-03	CT#71	CP-150755 CP-150771 CP-150771 CP-150776 CP-160041	0488 0492 0496 0495 0503	- 1 1 1 -	New Group AVP for ProSe direct discovery procedures Definition of AVP for AESE-CT Command codes and AVP range for TS 29.154 and TS 29.153 AVP codes for Indoor Positioning support in SLg/Lgd Application ID for St	13.4.0
2016-03	CT#71	CP-150755 CP-150771 CP-150771 CP-150776 CP-160041 CP-160041	0488 0492 0496 0495 0503 0506	- 1 1 1 -	New Group AVP for ProSe direct discovery procedures Definition of AVP for AESE-CT Command codes and AVP range for TS 29.154 and TS 29.153 AVP codes for Indoor Positioning support in SLg/Lgd Application ID for St Correction on TS numbers	13.4.0
2016-03	CT#71	CP-150755 CP-150771 CP-150771 CP-150776 CP-160041 CP-160041	0488 0492 0496 0495 0503 0506 0510	1 1 - 1	New Group AVP for ProSe direct discovery procedures Definition of AVP for AESE-CT Command codes and AVP range for TS 29.154 and TS 29.153 AVP codes for Indoor Positioning support in SLg/Lgd Application ID for St	13.4.0

ı	İ	ICD 460000	OFOE	12	Now AVD againment for MONTE	۱ ٦
		CP-160029 CP-160029	0505	3	New AVP assignment for MONTE Change of type of Monitoring-Duration AVP to represent an absolute time	-
		· ·	0507	ļ_	Remove the default access AVP	1
		t .	0508	-	Specific AVP codes for NBIFOM	┪
			0511	-	Alert procedure from MME/SGSN to SMS-GMSC for MT SMS to UE using eDRX	
		CP-160037	0512	-	ePDG retrieval of WLAN Location Information	1
j	ĺ		0513	2	Definition of AVP Authorization of NIDD]
		CP-160033	0520	2	New PDN-Type for Cellular IoT]
	ļ			1	Monitoring update and Reporting of update result	_
		CP-160036	0519	3	Allocation of new Diameter Application ID and commands code for PC2 protocol	
2016-03	CT#71		0515	1	AVP code reservation for 32.299	14.0.0
2016-06	CT#72		0526	1	Command Codes for 29.212	14.1.0
2016-06	CT#72		0543	-	AVP code range 3900-3999	14.1.0
2016-06	CT#72	CP-160236	0557	1	New AVPs in TS 29.214	14.1.0
2016-06 2016-06	CT#72 CT#72		0565 0528	2	AVP codes for 29.212 AVP Codes for 29.343	14.1.0 14.1.0
2016-06	CT#72		0533		Addition of new AVPs for ProSe direct discovery security and open ProSe	14.1.0
					direct discovery with application-controlled extension	
2016-06 2016-06	CT#72 CT#72	CP-160232 CP-160232	0540 0549	- 	Reserved Experimental Result Codes for TS 29.343 Assignment of application ID and command code for PC2 reference point	14.1.0 14.1.0
2016-06	CT#72	CP-160232		<u> </u>	IANA Command Code Registration	14.1.0
2016-06	CT#72		0541	1	CloT new commands and Diameter error	14.1.0
2016-06	CT#72	CP-160228	0550	-	NIDD authorisation update	14.1.0
2016-06	CT#72		0560	3	Serving PLMN Rate Control	14.1.0
2016-06	CT#72		0563	-	New AVP for APN Rate Control	14.1.0
2016-06	CT#72		0537	1	Renaming of Validity-Time AVP	14.1.0
2016-06	CT#72		0562	1	New AVPs allocated for 29.153 and 29.154	14.1.0
2016-06	CT#72		0545	3	SCEF Realm	14.1.0
2016-06 2016-06	CT#72 CT#72		0548 0546	-	Cleanup up on MONTE AVP's IANA assigned application Id and command code values	14.1.0 14.1.0
2016-06	CT#72		0547	2	Allocation of AVP codes and Experimental Result codes for Diameter Data	14.1.0
2010 00	01#12	01 -100227	0041	_	Management application	14.1.0
2016-06	CT#72	CP-160231	0553	1	3GPP specific AVP for NBIFOM	14.1.0
2016-06	CT#72	CP-160222	0555	1	Shared Subscription data update	14.1.0
2016-09	CT#73	CP-160424		1	Missing AVP codes and Experimental-Result codes for T6a	14.2.0
2016-09	CT#73		0574	1	Allocate of AVP Handling of Exception Reports in the Core Network	14.2.0
2016-09	CT#73	CP-160419		1	AVP codes for 32.299	14.2.0
2016-09	CT#73 CT#73	CP-160419 CP-160419		1	AVP code for 29.214 AVP code for 29.212	14.2.0 14.2.0
2016-09 2016-09	CT#73		0578 0568	1	STa and SWm extensions for IMEI check	14.2.0
2016-12	CT#74	CP-160650		<u>'</u>	AVP code alignment with 29.272	14.3.0
2016-12	CT#74		0579	1	AVPs for Handover of Emergency PDN Connections	14.3.0
2016-12	CT#74	CP-160678	0583	1	New Diameter Application Code, AVP and Result Code for V2X	14.3.0
2016-12	CT#74	CP-160653	0585	1	Renaming of Emergency-Indication AVP	14.3.0
2016-12	CT#74	CP-160670		2	New AVPs for TS 29.214	14.3.0
2016-12	CT#74		0590	-	S6t-HSS-Cause	14.3.0
2016-12 2017-03	CT#74 CT#75	CP-160669 CP-170039	0591	-	AVP codes for 29.468	14.3.0 14.4.0
2017-03	CT#75		0593	1	Enhanced Coverage Inter-RAT PDN-Continuity	14.4.0
2017-03	CT#75		0595	1	NIDD Authorization revocation	14.4.0
2017-03	CT#75		0594	1	Loss Of Connectivity Reason	14.4.0
2017-03	CT#75	CP-170036		1	Subscription parameters for eDRX	14.4.0
2017-03	CT#75	CP-170036	0607	1	Support of long and short Macro eNodeB IDs	14.4.0
2017-03	CT#75		0597		AVP codes for 32.299	14.4.0
2017-03	CT#75		0598	1	New AVP for UE-PC5-AMBR	14.4.0
2017-03	CT#75		0603	1	Correct Diameter Result Code Allocated for V2X	14.4.0
2017-03 2017-03	CT#75 CT#75	CP-170049 CP-170052	0601 0605	1	AVPs for ERP in 29.273 Update of the name of MCPTT-User-Profile-Data AVP	14.4.0 14.4.0
2017-03	CT#75		0606	<u> </u>	Support of MCVideo and MCData Services	14.4.0
2017-06	CT#76		0600	4	New AVP for Group Based MONTE Event Configuration via HSS	14.5.0
2017-06	CT#76		0609	 -	New AVPs in 29.272 for MBSFN MDT	14.5.0
2017-06	CT#76	CP-171026	0610	<u>L</u>	AVP codes for 29.212	14.5.0
2017-06	CT#76		0611	ļ-	AVP codes for 29.214	14.5.0
2017-06	CT#76		0612	1	AVP code allocation for 29.172 for Location Services for CioT	14.5.0
2017-06	CT#76	CP-171030		-	Addition of APN-Validity-Time AVP	14.5.0
2017-06 2017-09	CT#76 CT#77	CP-171026 CP-172018	0615	1	AVP codes for 32.299	14.5.0 14.6.0
2017-09	CT#77		0617	1	Reliable Data Service Success cause Reliable Data Service	14.6.0
2017-09	CT#77		0624	1	AVP codes for TS 29.219	14.7.0
2018-09	CT#81		0641	İ-	AVP code for TS 29.214	14.8.0
2018-09	CT#81	CP-182071	0650		DSR-Flag for eDRX-Cycle-Length	14.8.0

History

	Document history							
V14.4.0	May 2017	Publication						
V14.5.0	July 2017	Publication						
V14.6.0	October 2017	Publication						
V14.7.0	January 2018	Publication						
V14.8.0	October 2018	Publication						