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> Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 13.10.0 Release 13)



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### Foreword

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# 1 Scope

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.

Diameter protocol; Stage 3".

- 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: <a href="http://www.iana.org/assignments/enterprise-numbers">http://www.iana.org/assignments/enterprise-numbers</a>
[12]	IANA's AAA parameters register: <a href="mailto:ftp://ftp.iana.org/assignments/aaa-parameters/">ftp://ftp.iana.org/assignments/aaa-parameters/</a>
[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
	[2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15]

[17]	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".

# 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	29.215 [22]
16777320	3GPP S9a*	29.215 [22]
16777335	3GPP MB2-C	29.468 [31]
16777336	3GPP PC4a	29.344 [33]
16777337	3GPP PC2	29.343 [32]
16777340	3GPP PC6/PC7	29.345 [34]
16777342	3GPP Np	29.217 [35]
16777345	3GPP S6t	29.336 [28]
16777346	3GPP T6a/T6b	29.128 [36]
16777347	3GPP Ns	29.126 [36]
16777348	3GPP Nt	29.153[37]
16777349	3GPP St	29.212 [19]
16777350	3GPP PC2	29.343 [32]
16777351	3GPP Diameter Data	29.283 [39]
10777331	Management	23.203 [38]

# 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		cified in SPP 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	Request/-Answer MAR/MAA 29.229 [2]		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	20	.329 [4]		
308	Subscribe-Notifications-Request/-Answe	r SNR/SNA	29	.329 [4]		
309	Push-Notification-Request/-Answer	PNR/PNA				
310	Boostrapping-Info-Request/Answer	BIR/BIA	29	.109 [7]		
•	311 Message-Proces	s-Request/Answer		MPR/MP	PΑ	29.140 [16]
	312 GBAPush-Info-R	equest/Answer		GPR/GF	기	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	
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	00 040 [00]
8388636	Spending-Status-Notification- Request/Answer	SNR/SNA	29.219 [26]
8388637	TDF-Session-Request/Answer	TSR/TSA	20 242 [40]
8388731	TSSF-Notification-Request/Answer	TNR/TNA	29.212 [19]
8388638	Update-VCSG-Location-Request/Answer	UVR/UVA	20 272 [24]
8388642	Cancel-VCSG-Location-Request/Answer	CVR/CVA	29.272 [21]
8388639	Device-Action-Request/Answer	DAR/DAA	00 000 [07]
8388640	Device-Notification-Request/Answer	DNR/DNA	29.368 [27]
8388641	Subscriber-Information-Request/Answer	SIR/SIA	29.336 [28]
8388718	Configuration-Information- Request/Answer	CIR/CIA	
8388719	Reporting-Information- Request/Answer	RIR/RIA	29.336 [28]
8388726	NIDD-Information-Request/Answer	NIR/NIA	
8388643	Device-Trigger-Request/Answer	DTR/DTA	
8388644	Delivery-Report-Request/Answer	DRR/DRA	29.337 [29]
8388645	MO-Forward-Short-Message Request/Answer	OFR/OFA	
8388646	MT-Forward-Short-Message Request/Answer	TFR/TFA	
8388647	Send-Routing-Info-for-SM- Request/Answer	SRR/SRA	29.338 [30]
8388648	Alert-Service-Centre-Request/Answer	ALR/ALA	
8388649	Report-SM-Delivery-Status- Request/Answer	RDR/RDA	
8388656	Trigger-Establishment-Request/Answer	TER/TEA	29.215 [30]
8388662	GCS-Action-Request/Answer	GAR/GAA	
8388663	GCS-Notification-Request/Answer	GNR/GNA	29.468 [31]
8388664	ProSe-Subscriber-Information- Request/Answer	PIR/PIA	
8388665	Update-ProSe-Subscriber-Data- Request/Answer	UPR/UPA	
8388666	ProSe-Notify-Request/Answer	PNR/PNA	29.344 [33]
8388713	ProSe-Initial-Location-Information- Request/Answer	PSR/PSA	
8388668	ProSe-Authorization-Request/Answer	PAR/PAA	
8388669	ProSe-Discovery-Request/Answer	PDR/PDA	29.345 [34]
8388670	ProSe-Match-Request/Answer	PMR/PMA	

8388671	ProSe-Match-Report-Info- Request/Answer	PIR/PIA	
8388672	ProSe-Proximity-Request/Answer	PRR/PRA	
8388673	ProSe-Location-Update-Request/Answer	PLR/PLA	
8388674	ProSe-Alert-Request/Answer	ALR/ALA	
8388675	ProSe-Cancellation-Request/Answer	RPR/RPA	
8388676	ProXimity-Action-Request/Answer	PXR/PXA	
8388727	ProXimity-Application-Request/Answer	XAR/XAA	29.343 [32]
8388720	Non-Aggregated-RUCI-Report- Request/Answer	NRR/NRA	
8388721	Aggregated-RUCI-Report- Request/Answer	ARR/ARA	29.217 [35]
8388722	Modify-Uecontext-Request/Answer	MUR/MUA	-
8388724	Network-Status-Request/Answer	NSR/NSA	
8388725	Network-Status-Continuous-Report- Request/Answer	NCR/NCA	29.153 [37]
8388723	Background-Data-Transfer- Request/Answer	BTR/BTA	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	- 1
8388732	Connection-Management- Request/Answer	CMR/CMA	
8388733	MO-Data-Request/Answer	ODR/ODA	29.128 [36]
8388734	MT-Data-Request/Answer	TDR/TDA	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 Code	Attribute Name	Data Type	Specified in the 3GPP TS
100	3GPP-WLAN-APN-Id	OctetString	
101	3GPP-WLAN-QoS-Filter-Rule	UTF8String	29.234 [6]
	3GPP-WLAN-QoS-Filter-Support	OctetString	
	The AVP codes from 1 to 255 are reserved for backwards compatibil	ity with 3GPP RADIUS Ve	endor Specific
	ites (See TS 29.061 [13] and TS 29.234 [6])		
	The AVP codes from 256 to 299 are reserved for future use.		
	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		
	APN-Barring-Type	Enumerated	29.234 [6]
	WLAN-Direct-IP-Access	Enumerated	-
	Session-Request-Type	Enumerated	
	Routing-Policy	IPFilterRule	-
	Max-Requested-Bandwidth Charging Characteristics	OctetString	-
	Charging-Characteristics Charging-Nodes	Integer	-
		Grouped	-
	Primary-OCS-Charging-Function-Name Secondary-OCS-Charging-Function-Name	DiameterIdentity DiameterIdentity	-
	3GPP-AAA-Server-Name	DiameterIdentity	-
	Maximum-Number-Accesses	Unsigned32	
	: The AVP codes from 320 to 399 are reserved for TS 29.234	Orisignedsz	
	2: The 3GPP-AAA-Server-Name definition is moved to TS 29.273 sta	rting from Rel-12	
	GBA-UserSecSettings	OctetString	
	Transaction-Identifier	OctetString	
	NAF-Hostname	OctetString	
	GAA-Service-Identifier	OctetString	
404	Key-ExpiryTime ME-Key-Material	Time OctetString	-
	UICC-Key-Material	OctetString	-
407	GBA_U-Awareness-Indicator	Enumerated	
	BootstrapInfoCreationTime	Time	
409	GUSS-Timestamp	Time	00.400.[7]
	GBA-Type UE-Id	Enumerated	29.109 [7]
411	UE-Id-Type	OctetString Enumerated	-
	UICC-App-Label	OctetString	1
414	UICC-MÉ	Enumerated	
415	Requested-Key-Lifetime	Time	
	Private-Identity-Request	Enumerated	
	GBA-Push-Info NAF-SA-Identifier	OctetString OctetString	
419	Security-Feature-Request	OctetString	-
	Security-Feature-Response	OctetString	1
	The AVP codes from 421 to 499 are reserved for TS 29.109		•
500	Abort-Cause	Enumerated	
	Access-Network-Charging-Address	Address	
	Access-Network-Charging-Identifier	Grouped	
	Access-Network-Charging-Identifier-Value	OctetString	
	AF-Application-Identifier	OctetString	
	AF-Charging-Identifier	OctetString	]
	Authorization-Token	OctetString	29.209 [8],
	Flow-Description	IPFilterRule	29.211 [17] ,
	Flow-Grouping	Grouped	29.214 [18]
	Flow-Number	Unsigned32	
	Flows	Grouped	-
	Flow-Status	Enumerated	4
	Flow-Usage	Enumerated	-
	Specific-Action  May Requested Rendwidth	Enumerated	_
	Max-Requested-Bandwidth DI	Unsigned32 Unsigned32	-
315	Max-Requested-Bandwidth-DL	Unsigned32	<u> </u>

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	Max-Requested-Bandwidth-UL	Unsigned32	
	Media-Component-Description	Grouped	
518	Media-Component-Number	Unsigned32	
	Media-Sub-Component AVP	Grouped	
	Media-Type	Enumerated	
	RR-Bandwidth	Unsigned32	
	RS-Bandwidth	Unsigned32	
523	SIP-Forking-Indication	Enumerated	
524	Codec-Data	OctetString	
	Service-URN	OctetString	
	Acceptable-Service-Info	Grouped	
	Service-Info-Status	Enumerated	
	MPS-Identifier	OctetString	
529	AF-Signalling-Protocol	Enumerated	
	Sponsored-Connectivity-Data	Grouped	
	Sponsor-Identity	OctetString	
	Application-Service-Provider-Identity		
		OctetString	
	Rx-Request-Type	Enumerated	
534	Min-Requested-Bandwidth-DL	Unsigned32	
535	Min-Requested-Bandwidth-UL	Unsigned32	
	Required-Access-Info	Enumerated	
	IP-Domain-Id	OctetString	
	GCS-Identifier	OctetString	
	Sharing-Key-DL	Unsigned32	
540	Sharing-Key-UL	Unsigned32	
	Retry-Interval	Unsigned32	
	Sponsoring-Action	Enumerated	
	Max-Supported-Bandwidth-DL	Unsigned32	
	Max-Supported-Bandwidth-UL	Unsigned32	
545	Min-Desired-Bandwidth-DL	Unsigned32	
546	Min-Desired-Bandwidth-UL	Unsigned32	
	MCPTT-Identifier	OctetString	
	WOI II Idontinoi	Ootototiing	
	Sonica Authorization Info	Uncignod22	
548	Service-Authorization-Info	Unsigned32	
548 549	Reserved	-	
548 549 550	Reserved Priority-Sharing-Indicator	- Enumerated	
548 549 550	Reserved	- Enumerated	
548 549 550 Note:	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2	Enumerated 211 and TS 29.214	
548 549 550 Note: 600	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier	Enumerated 211 and TS 29.214 OctetString	
548 549 550 Note: 600 601	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity	Enumerated 211 and TS 29.214 OctetString UTF8String	
548 549 550 Note: 600 601 602	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String	
548 549 550 Note: 600 601 602 603	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped	
548 549 550 Note: 600 601 602 603 604	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32	
548 549 550 Note: 600 601 602 603 604	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped	
548 549 550 Note: 600 601 602 603 604 605	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32	
548 549 550 Note: 600 601 602 603 604 605 606	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString	
548 549 550 Note: 600 601 602 603 604 605 606	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32	
548 549 550 Note: 600 601 602 603 604 605 606 607 608	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	
548 549 550 Note: 600 601 602 603 604 605 606 607 608	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 Unsigned32 Unsigned32 OctetString Unsigned32 UTF8String OctetString	
548 549 550 Note: 600 601 602 603 604 605 606 607 608	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 Unsigned32 OctetString OctetString OctetString OctetString	
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 Unsigned32 Unsigned32 OctetString Unsigned32 UTF8String OctetString	
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authentication SIP-Authentication-Context	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 Utf8String OctetString OctetString OctetString OctetString OctetString	
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authentication SIP-Auth-Data-Item	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 OctetString OctetString OctetString OctetString OctetString OctetString	
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authentication SIP-Auth-Data-Item SIP-Auth-Data-Item SIP-Item-Number	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 OctetString	20, 200 (2)
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authentication SIP-Auth-Data-Item SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString OctetString OctetString CotetString OctetString OctetString CotetString	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authenticate SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString OctetString CotetString OctetString Grouped Unsigned32 Enumerated Grouped	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authentication SIP-Auth-Data-Item SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString OctetString OctetString CotetString OctetString OctetString CotetString	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authenticate SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 OctetString Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString Enumerated Grouped Enumerated	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authorization SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString OctetString Enumerated Grouped Enumerated UTF8String	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authenticate SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString OctetString Grouped Unsigned32 Enumerated Grouped Enumerated UTF8String Grouped	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authorization SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString OctetString Grouped Unsigned32 Enumerated UTF8String Grouped Enumerated Grouped Enumerated UTF8String Grouped DiameterURI	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authenticate SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name Secondary-Event-Charging-Function-Name	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString OctetString Grouped Unsigned32 Enumerated Grouped Unsigned32 Enumerated Grouped Enumerated Grouped Enumerated UTF8String Grouped DiameterURI DiameterURI	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authorization SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString OctetString Grouped Unsigned32 Enumerated UTF8String Grouped Enumerated Grouped Enumerated UTF8String Grouped DiameterURI	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authenticate SIP-Authorization SIP-Auth-Data-Item SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name Primary-Charging-Collection-Function-Name	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString Grouped Unsigned32 Enumerated UTF8String Grouped Unsigned32 Enumerated Grouped Enumerated UTF8String Grouped DiameterURI DiameterURI	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authenticate SIP-Authorization SIP-Auth-Data-Item SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name Secondary-Event-Charging-Function-Name Secondary-Charging-Collection-Function-Name	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 Utf8String UTF8String OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OttetString OctetString Grouped Unsigned32 Enumerated UTF8String Grouped Enumerated Grouped Enumerated UTF8String Grouped Enumerated UTF8String Grouped DiameterURI DiameterURI DiameterURI	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authenticate SIP-Authentication-Context SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name Secondary-Charging-Collection-Function-Name Secondary-Charging-Collection-Function-Name User-Authorization-Type	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 Utf8String OctetString OctetString OctetString OctetString OctetString Foruped Unsigned32 UTF8String OctetString OctetString OctetString OctetString Grouped Unsigned32 Enumerated	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authenticate SIP-Authentication-Context SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name Secondary-Event-Charging-Function-Name Primary-Charging-Collection-Function-Name Secondary-Charging-Collection-Function-Name User-Data-Already-Available	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString Grouped Unsigned32 Enumerated Grouped Unsigned32 Enumerated UTF8String Grouped Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Enumerated UTF8String Grouped DiameterURI DiameterURI DiameterURI DiameterURI Enumerated Enumerated	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authentication SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name Primary-Charging-Collection-Function-Name Secondary-Charging-Collection-Function-Name User-Authorization-Type User-Data-Already-Available Confidentiality-Key	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString Grouped Unsigned32 Enumerated Grouped Unsigned32 Enumerated UTF8String Grouped Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Enumerated UTF8String Grouped DiameterURI DiameterURI DiameterURI DiameterURI Enumerated Enumerated Enumerated Enumerated	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authentication-Context SIP-Auth-Data-Item SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name Secondary-Event-Charging-Function-Name Primary-Charging-Collection-Function-Name User-Authorization-Type User-Data-Already-Available Confidentiality-Key Integrity-Key	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString Grouped Unsigned32 Enumerated Grouped Unsigned32 Enumerated UTF8String Grouped Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Enumerated UTF8String Grouped DiameterURI DiameterURI DiameterURI DiameterURI Enumerated Enumerated	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authentication-Context SIP-Auth-Data-Item SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name Secondary-Event-Charging-Function-Name Primary-Charging-Collection-Function-Name User-Authorization-Type User-Data-Already-Available Confidentiality-Key Integrity-Key	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString Grouped Unsigned32 Enumerated Grouped Unsigned32 Enumerated UTF8String Grouped Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Unsigned32 Enumerated Enumerated UTF8String Grouped DiameterURI DiameterURI DiameterURI DiameterURI Enumerated Enumerated Enumerated Enumerated	29.229 [2]
548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626	Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier Public-Identity Server-Name Server-Capabilities Mandatory-Capability Optional-Capability User-Data SIP-Number-Auth-Items SIP-Authentication-Scheme SIP-Authenticate SIP-Authentication SIP-Authentication-Context SIP-Auth-Data-Item SIP-Item-Number Server-Assignment-Type Deregistration-Reason Reason-Code Reason-Info Charging-Information Primary-Event-Charging-Function-Name Primary-Charging-Collection-Function-Name Secondary-Charging-Collection-Function-Name User-Authorization-Type User-Data-Already-Available Confidentiality-Key	Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 Utf8String OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString Grouped Unsigned32 Enumerated Enumerated Utf8String Grouped DiameterURI DiameterURI DiameterURI DiameterURI Enumerated Enumerated Enumerated OctetString OctetString	29.229 [2]

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	Feature-List-ID	Unsigned32	
	Feature-List	Unsigned32	
	Supported-Applications	Grouped	
	Associated-Identities	Grouped	
	Originating-Request	Enumerated	
	Wildcarded-Public-Identity	UTF8String	
	SIP-Digest-Authenticate	Grouped	
	Wildcarded-IMPU	UTF8String	
	UAR-Flags	Unsigned32	
	Loose-Route-Indication	Enumerated	
	SCSCF-Restoration-Info	Grouped	
	Path	OctetString	
	Contact	OctetString	
	Subscription-Info	Grouped	
	Call-ID-SIP-Header	OctetString	
	From-SIP-Header	OctetString	
	To-SIP-Header	OctetString	
	Record-Route	OctetString	
	Associated-Registered-Identities	Grouped	
	Multiple-Registration-Indication	Enumerated	
	Restoration-Info	Grouped	
	Session-Priority	Enumerated	
	Identity-with-Emergency-Registration	Grouped	
	Priviledged-Sender-Indication	Enumerated	
	LIA-Flags	Unsigned32	
654	Initial-CSeq-Sequence-Number	Unsigned32	
655	SAR-Flags	Unsigned32	
656	Allowed-WAF-WWSF-Identities	Grouped	
657	WebRTC-Authentication-Function-Name	UTF8String	
658	WebRTC-Web-Server-Function-Name	UTF8String	
Note:	The AVP codes from 659 to 699 are reserved for TS 29.229.		
	User-Identity	Grouped	
701	MSISDN	OctetString	
702	User-Data	OctetString	
703	Data-Reference	Enumerated	
704	Service-Indication	OctetString	
705	Subs-Req-Type	Enumerated	
706	Requested-Domain	Enumerated	
707	Current-Location	Enumerated	
708	Identity-Set	Enumerated	
709	Expiry-Time	Time	
710	Send-Data-Indication	Enumerated	
711	DSAI-Tag	OctetString	29.329 [4]
712	One-Time-Notification	Enumerated	
	Requested-Nodes	Unsigned32	
714	Serving-Node-Indication	Enumerated	
715	Repository-Data-ID	Grouped	
716	Sequence-Number	Unsigned32	
	Pre-paging-Supported	Enumerated	
	Local-Time-Zone-Indication	Enumerated	
	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.		
	The AVP codes from 800 to 822 are reserved for TS 32.299.		
	Event-Type	Grouped	
	SIP-Method	UTF8String	
	Event	UTF8String	
	Content-Type	UTF8String	
	Content-Length	Unsigned32	32.299 [5]
	Content-Disposition	UTF8String	
	Role-of-Node	Enumerated	
	User-Session-Id	UTF8String	
	Calling-Party-Address	UTF8String	
	1	5 55 timig	

832	Called-Party-Address	UTF8String	
833	Time-Stamps	Grouped	
834	SIP-Request-Timestamp	Time	
835	SIP-Response-Timestamp	Time	
836	Application-Server	UTF8String	
	Application-provided-called-party-address	UTF8String	
838	Inter-Operator-Identifier	Grouped	
	Originating-IOI	UTF8String	
840	Terminating-IOI	UTF8String	
841	IMS-Charging-Identifier	UTF8String	
	SDP-Session-Description	UTF8String	
	SDP-Media-Component	Grouped	
	SDP-Media-Name	UTF8String	
	SDP-Media-Description	UTF8String	
	CG-Address	Address	
	GGSN-Address	Address	
	Served-Party-IP-Address	Address	
	Authorized-QoS	UTF8String	
	Application-Server-Information	Grouped	
	Trunk-Group-Id	Grouped	
	Incoming-Trunk-Group-Id	UTF8String	
	Outgoing-Trunk-Group-Id	UTF8String	
	Bearer-Service	OctetString	
	Service-Id	UTF8String	
	Associated-URI	UTF8String	
	Charged-Party	UTF8String	
	PoC-Controlling-Address	UTF8String	
	PoC-Group-Name	UTF8String	
	Cause	Grouped	
	Cause-Code	Integer32	
	Node-Functionality	Enumerated	
	Service-Specific-Data	UTF8String	
	Originator	Enumerated	
	PS-Furnish-Charging-Information	Grouped	
	PS-Free-Format-Data	OctetString	
	PS-Append-Free-Format-Data	Enumerated	
	Time-Quota-Threshold	Unsigned32	
	Volume-Quota-Threshold	Unsigned32	
	Trigger-Type	Enumerated	
	Quota-Holding-Time	Unsigned32	
	Reporting-Reason	Enumerated	
	Service-Information	Grouped	
	PS-Information	Grouped	
	Reserved	- Cravra a d	
	IMS-Information MMS-Information	Grouped Grouped	
	LCS-Information	Grouped	
	PoC-Information	Grouped	
	MBMS-Information	Grouped	
	Quota-Consumption-Time	Unsigned32	
	Media-Initiator-Flag	Enumerated	
	PoC-Server-Role	Enumerated	
	PoC-Session-Type	Enumerated	
	Number-Of-Participants	Unsigned32	
	Originator-Address	Grouped	
	Participants-Involved	UTF8String	
	Expires	Unsigned32	
	Message-Body	Grouped	
	Reserved	Groupeu	
	Reserved		
	Reserved		
	Reserved	-	
030	ITCOCI VCG		

897 Address-Data	UTF8String	
898 Address-Domain	Grouped	
899 Address-Type	Enumerated	
7 Address Type	Litameratea	
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	OctetString	
911 MBMS-Time-To-Data-Transfer	Unsigned32	
912 MBMS-Session-Identity-Repetition-Number	Unsigned32	
913 MBMS-Required-QoS	UTF8String	
914 MBMS-Counting-Information	Enumerated	
914 MBMS-Counting-information 915 MBMS-User-Data-Mode-Indication	Enumerated	
916 MBMS-GGSN-Address 917 MBMS-GGSN-IPv6-Address	UTF8String UTF8String	20 064 [42]
		29.061 [13]
918 MBMS-BMSC-SSM-IP-Address	UTF8String UTF8String	
919 MBMS-BMSC-SSM-IPv6-Address 920 MBMS-Flow-Identifier	OctetString 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	
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	29.212 [19]
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		
1023 Bearer-Control-Mode	Grouped	
	Enumerated	
1024 Network-Request-Support	Enumerated Enumerated	
1024 Network-Request-Support 1025 Guaranteed-Bitrate-DL 1026 Guaranteed-Bitrate-UL	Enumerated	

1027 IP-CAN-Type	Enumerated
1028 QoS-Class-Identifier	Enumerated
1029 QoS-Negotiation	Enumerated
1030 QoS-Upgrade	Enumerated
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
1041 APN-Aggregate-Max-Bitrate-UL	Unsigned32
1042 Revalidation-Time	Time
1043 Rule-Activation-Time	Time
1044 Rule-DeActivation-Time	Time
1045 Session-Release-Cause	Enumerated
1046 Priority-Level	Unsigned32
1047 Pre-emption-Capability	Enumerated
1048 Pre-emption-Vulnerability	Enumerated
1049 Default-EPS-Bearer-QoS	Grouped
1050 AN-GW-Address	Address
1051 QoS-Rule-Install	Grouped
1052 QoS-Rule-Remove	Grouped
1053 QoS-Rule-Definition	Grouped
1054 QoS-Rule-Name	OctetString
1055 QoS-Rule-Report	Grouped
1056 Security-Parameter-Index	OctetString
1057 Flow-Label	OctetString
1058 Flow-Information	Grouped
1059 Packet-Filter-Content	IPFilterRule
1060 Packet-Filter-Identifier	OctetString
1061 Packet-Filter-Information	Grouped
1062 Packet-Filter-Operation	Enumerated
1063 Resource-Allocation-Notification	Enumerated
1064 Session-Linking-Indicator 1065 PDN-Connection-ID	Enumerated
	OctetString
1066 Monitoring-Key	OctetString
1067 Usage-Monitoring-Information	Grouped
1068 Usage-Monitoring-Level	Enumerated
1069 Usage-Monitoring-Report	Enumerated
1070 Usage-Monitoring-Support	Enumerated
1071 CSG-Information-Reporting	Enumerated
1072 Packet-Filter-Usage	Enumerated
1073 Charging-Correlation-Indicator	Enumerated
1074 QoS-Rule-Base-Name	UTF8String
1075 Routing-Rule-Remove	Grouped
1076 Routing-Rule-Definition	Grouped
1077 Routing-Rule-Identifier	OctetString
1078 Routing-Filter	Grouped
1079 Routing-IP-Address	Address
1080 Flow-Direction	Enumerated
1081 Routing-Rule-Install	Grouped
1082 Credit-Management-Status	Unsigned32
1085 Redirect-Information	Grouped
1086 Redirect- Support	Enumerated
1087 TDF-Information	Grouped
1088 TDF-Application-Identifier	OctetString
1089 TDF-Application-Host	DiameterIdentity
1090 TDF-Destination-Realm	DiameterIdentity
1091 TDF-IP-address	Address
1092 ADC-Rule-Install	Grouped
1093 ADC-Rule-Remove	Grouped

1094 ADC-Rule-Definition	Grouped	
1095 ADC-Rule-Base-Name	UTF8String	
1096 ADC-Rule-Name	OctetString	
1097 ADC-Rule-Report	Grouped	
1098 Application-Detection-Information	Grouped	
1099 PS-to-CS-Session-Continuity	Enumerated	
Note: The AVP codes from 1083 to 1084 are reserved for TS 29.212		
1100 Served-User-Identity	Groupe	
1101 VASP-ID	UTF8Str	
1102 VAS-ID	UTF8String	
1103 Trigger-Event	Enumerated	
1104 Sender-Address	UTF8String	
1105 Initial-Recipient-Address	Grouped	
1106 Result-Recipient-Address	Grouped	
1107 Sequence-Number	Unsigned32	
1108 Recipient-Address	UTF8String	00 440 540
1109 Routeing-Address	UTF8String	29.140 [16]
1110 Originating-Interface	Enumerated	
1111 Delivery-Report	Enumerated	
1112 Read-Reply	Enumerated	
1113 Sender-Visibility	Enumerated	
1114 Service-Key	UTF8String	
1115 Billing-Information	UTF8String	
1116 Status	Grouped	
1117 Status-Code	UTF8String	
1118   Status-Text	UTF8String	
Note: The AVP codes from 1119 to 1199 are reserved for TS 29.140	LITEORY	
1200 Domain-Name	UTF8String	
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	
1208 Addressee-Type	Enumerated	
1209 Priority	Enumerated	
1210 Message-ID	UTF8String	
1211 Message-Type	Enumerated	
1212 Message-Size	Unsigned32	
1213 Message-Class	Grouped	
1214 Class-Identifier	Enumerated	
1215 Token-Text	UTF8String	
1216 Delivery-Report-Requested	Enumerated	
1217 Adaptations	Enumerated	
1218 Applic-ID	UTF8String	32.299 [5]
1219 Aux-Applic-Info	UTF8String	r-1
1220 Content-Class	Enumerated	
1221 DRM-Content	Enumerated	
1222 Read-Reply-Report-Requested	Enumerated	
1223 Reply-Applic-ID	UTF8String	
1224 File-Repair-Supported	Enumerated	
1225 MBMS-User-Service-Type	Enumerated	
1226 Unit-Quota-Threshold	Unsigned32	
1227 PDP-Address	Address	
1228 SGSN-Address	Address	
1229 PoC-Session-Id	UTF8String	
1230 Deferred-Location-Even-Type	UTF8String	
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	

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1238 LCS-Name-String	UTF8String	
1239 LCS-Requestor-Id	Grouped	
1240 LCS-Requestor-Id-String	UTF8String	
1241 LCS-Client-Type	Enumerated	
1242 Location-Estimate	OctetString	
1243 Location-Estimate-Type	Enumerated	
1244 Location-Type	Grouped	
1245 Positioning-Data	UTF8String	
1246 Reserved	-	
1247 PDP-Context-Type	Enumerated	
1248 MMBox-Storage-Requested	Enumerated	
1249 Service-Specific-Info	Grouped	
1250 Called-Asserted-Identity	UTF8String	
1251 Requested-Party-Address	UTF8String	
1252 PoC-User-Role	Grouped	
1253 PoC-User-Role-IDs	UTF8String	
1254 PoC-User-Role-info-Units	Enumerated	
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-Change-Conditions	Enumerated	
1262 PoC-Change-Time	Time	
1263 Access-Network-Information	OctetString	
1264 Trigger	Grouped	
1265 Base-Time-Interval	Unsigned32	
1266 Envelope	Grouped	
1267 Envelope-End-Time	Time	
1268 Envelope-Reporting	Enumerated	
1269 Envelope-Start-Time	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 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	
1401 Terminal-Information	Grouped	
1402 IMEI	UTF8String	
1403 Software-Version	UTF8String	
1404 QoS-Subscribed	UTF8String	
1405 ULR-Flags	Unsigned32	
1406 ULA-Flags	Unsigned32	29.272 [21]
1407 Visited PLMN Id	OctetString	= - · <b>-</b> · <b>-</b> · · J
1408 Requested-EUTRAN-Authentication-Info	Grouped	
1409 Requested-UTRAN- GERAN-Authentication-Info	Grouped	
1410 Number-Of-Requested-Vectors	Unsigned32	
1411   Re-Synchronization-Info	OctetString	
1 = 1 1   NG-OyHOHIOHIZAUOH-HIIO		
1412 Immediate-Response-Preferred	Unsigned32	

1413 Authentication-Info  1414 E-UTRAN-Vector  1415 UTRAN-Vector  1416 GERAN-Vector  1417 Network-Access-Mode	Grouped
1415 UTRAN-Vector 1416 GERAN-Vector	
1416 GERAN-Vector	Grouped Grouped
	Grouped
	Enumerated
1418 HPLMN-ODB	Enumerated
1419 Item-Number	Unsigned32
1420 Cancellation-Type	Enumerated
1421 DSR-Flags	Unsigned32
1422 DSA-Flags	Unsigned32
1423 Context-Identifier	Unsigned32
1424 Subscriber-Status	Enumerated
1425 Operator-Determined-Barring	Unsigned32
1426 Access-Restriction-Data	UTF8String
1427 APN-OI-Replacement	UTF8String
1428 All-APN-Configurations-Included-Indicator	Enumerated
1429 APN-Configuration-Profile	Grouped
1430 APN-Configuration	Grouped
1431 EPS-Subscribed-QoS-Profile	Grouped
1432 VPLMN-Dynamic-Address-Allowed	Enumerated
1433 STN-SR	OctetString
1434 Alert-Reason	Enumerated
1435 AMBR	Grouped
1436 CSG-Subscription-Data	Grouped
1437 CSG-Id	Unsigned32
1438 PDN-GW-Allocation-Type	Enumerated
1439 Expiration-Date	Time
1440 RAT-Frequency-Selection-Priority-ID	Unsigned32
1441 DA-Flags	Unsigned32
1442 PUA-Flags 1443 NOR-Flags	Unsigned32 Unsigned32
1444 User-Id	UTF8String
1445 Equipment-Status	Enumerated
1446 Regional-Subscription-Zone-Code	OctetString
1447 RAND	OctetString
1111   10 (14)	OctetString
1448 XRES	
1449 AUTN	OctetString
1449 AUTN 1450 KASME	
1449 AUTN 1450 KASME 1451 Reserved	OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity	OctetString OctetString - Address
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc	OctetString OctetString -
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES	OctetString OctetString - Address OctetString
1449     AUTN       1450     KASME       1451     Reserved       1452     Trace-Collection-Entity       1453     Kc       1454     SRES       1455     Reserved       1456     PDN-Type	OctetString OctetString - Address OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated Grouped
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated
1449       AUTN         1450       KASME         1451       Reserved         1452       Trace-Collection-Entity         1453       Kc         1454       SRES         1455       Reserved         1456       PDN-Type         1457       Roaming-Restricted-Due-To-Unsupported-Feature         1458       Trace-Data         1459       Trace-Reference         1460       Reserved	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated Grouped
1449       AUTN         1450       KASME         1451       Reserved         1452       Trace-Collection-Entity         1453       Kc         1454       SRES         1455       Reserved         1456       PDN-Type         1457       Roaming-Restricted-Due-To-Unsupported-Feature         1458       Trace-Data         1459       Trace-Reference         1460       Reserved         1461       Reserved	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1462 Trace-Depth	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString Enumerated Grouped OctetString Enumerated
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString - Enumerated OctetString - Enumerated OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString - Enumerated OctetString OctetString OctetString OctetString OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1465 Trace-Event-List	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString - Enumerated OctetString OctetString OctetString OctetString OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1466 OMC-Id	OctetString OctetString  - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString - Enumerated OctetString OctetString OctetString OctetString OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1465 Trace-Event-List 1466 OMC-Id 1467 GPRS-Subscription-Data	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString - Enumerated OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1465 Trace-Event-List 1466 OMC-Id 1467 GPRS-Subscription-Data 1468 Complete-Data-List-Included-Indicator	OctetString OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1465 Trace-Event-List 1466 OMC-Id 1467 GPRS-Subscription-Data 1468 Complete-Data-List-Included-Indicator	OctetString OctetString - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString - Enumerated OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1461 Rrace-Depth 1463 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1465 Trace-Event-List 1466 OMC-Id 1467 GPRS-Subscription-Data 1468 Complete-Data-List-Included-Indicator 1469 PDP-Context 1470 PDP-Type	OctetString OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1465 Trace-Event-List 1466 OMC-Id 1467 GPRS-Subscription-Data 1468 Complete-Data-List-Included-Indicator 1469 PDP-Context 1470 PDP-Type 1471 3GPP2-MEID	OctetString OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1465 Trace-Event-List 1466 OMC-Id 1467 GPRS-Subscription-Data 1468 Complete-Data-List-Included-Indicator 1469 PDP-Context 1470 PDP-Type 1471 3GPP2-MEID 1472 Specific-APN-Info	OctetString OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1465 Trace-Event-List 1466 OMC-Id 1467 GPRS-Subscription-Data 1468 Complete-Data-List-Included-Indicator 1469 PDP-Context 1470 PDP-Type 1471 3GPP2-MEID 1472 Specific-APN-Info 1473 LCS-Info	OctetString OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 Kc 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1465 Trace-Event-List 1466 OMC-Id 1467 GPRS-Subscription-Data 1468 Complete-Data-List-Included-Indicator 1469 PDP-Context 1470 PDP-Type 1471 3GPP2-MEID 1472 Specific-APN-Info 1474 GMLC-Number	OctetString OctetString  - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString - Enumerated OctetString OctetString OctetString OctetString OctetString OctetString OctetString OctetString OctetString Grouped Enumerated Grouped Enumerated Grouped CotetString OctetString OctetString OctetString Grouped Enumerated Grouped OctetString OctetString OctetString OctetString OctetString
1448       XRES         1449       AUTN         1450       KASME         1451       Reserved         1452       Trace-Collection-Entity         1453       Kc         1454       SRES         1455       Reserved         1456       PDN-Type         1457       Roaming-Restricted-Due-To-Unsupported-Feature         1458       Trace-Data         1459       Trace-Reference         1460       Reserved         1461       Reserved         1462       Trace-Depth         1463       Trace-NE-Type-List         1464       Trace-Interface-List         1465       Trace-Event-List         1466       OMC-Id         1467       GPRS-Subscription-Data         1468       Complete-Data-List-Included-Indicator         1469       PDP-Context         1470       PDP-Type         1471       3GPP2-MEID         1472       Specific-APN-Info         1473       LCS-Info         1475       LCS-PrivacyException	OctetString OctetString  - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString - Enumerated OctetString OctetString OctetString OctetString OctetString OctetString OctetString OctetString OctetString Grouped Enumerated Grouped Enumerated Grouped CotetString OctetString OctetString OctetString Grouped OctetString Grouped Grouped OctetString
1449 AUTN 1450 KASME 1451 Reserved 1452 Trace-Collection-Entity 1453 KC 1454 SRES 1455 Reserved 1456 PDN-Type 1457 Roaming-Restricted-Due-To-Unsupported-Feature 1458 Trace-Data 1459 Trace-Reference 1460 Reserved 1461 Reserved 1461 Reserved 1462 Trace-Depth 1463 Trace-NE-Type-List 1464 Trace-Interface-List 1465 Trace-Event-List 1466 OMC-Id 1467 GPRS-Subscription-Data 1468 Complete-Data-List-Included-Indicator 1469 PDP-Context 1470 PDP-Type 1471 3GPP2-MEID 1472 Specific-APN-Info 1474 GMLC-Number	OctetString OctetString  - Address OctetString OctetString - Enumerated Enumerated Grouped OctetString - Enumerated OctetString OctetString OctetString OctetString OctetString OctetString OctetString OctetString OctetString Grouped Enumerated Grouped Enumerated Grouped CotetString OctetString OctetString OctetString Grouped Enumerated Grouped OctetString OctetString OctetString OctetString OctetString

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1478 Notification-To-UE-User	Enumerated	
1479 External-Client	Grouped	
1480 Client-Identity	OctetString	
1481 GMLC-Restriction	Enumerated	
1482 PLMN-Client	Enumerated	
1483 Service-Type	Grouped	
1484 Service-Type 1484 Service-TypeIdentity	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	
1491 ICS-Indicator	Enumerated	
1492 IMS-Voice-Over-PS-Sessions-Supported		
1493 Homogeneous-Support-of-IMS-Voice-Ove		
1494 Last-UE-Activity-Time	Time	
1495 EPS-User-State	Grouped	
1496 EPS-Location-Information	Grouped	
1497 MME-User-State	Grouped	
1498 SGSN-User-State	Grouped	
1499 User-State	Enumerated	
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
1500 Non-3GPP-User-Data	Grouped	
1501 Non-3GPP-IP-Access	Enumerated	
1502 Non-3GPP-IP-Access-APN	Enumerated	
1503 AN-Trusted	Enumerated	
1504 ANID	UTF8String	
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	
1513 Reserved	-	
1514 Reserved	-	
1515 Reserved	-	
1516 Full-Network-Name	OctetString	
1517 Short-Network-Name	OctetString	
1518 AAA-Failure-Indication	Unsigned32	
1519 Transport-Access-Type	Enumerated	
1520 DER-Flags	Unsigned32 29.	273 [20]
1521 DEA-Flags	Unsigned32	•
1522 RAR-Flags	Unsigned32	
1523 DER-S6b-Flags	Unsigned32	
1524 SSID	UTF8String	
1525 HESSID	UTF8String	
1526 Access-Network-Info	Grouped	
1527 TWAN-Connection-Mode	Unsigned32	
1528 TWAN-Connectivity-Parameters	Grouped	
1529 Connectivity-Flags	Unsigned32	
1530 TWAN-PCO	OctetString	
1531 TWAG-CP-Address	Address	
1531 TWAG-CF-Address	UTF8String	
1533 TWAN-S2a-Failure-Cause	Unsigned32	
1534 SM-Back-Off-Timer		
	Unsigned32	
1535 WLCP-Key	OctetString	
318 3GPP-AAA-Server-Name	DiameterIdentity	
1536 Origination-Time-Stamp	Unsigned64	
1537 Maximum-Wait-Time	Unsigned32	
1538 Emergency- Services	Unsigned32	
1539 AAR-Flags	Unsigned32	

Note 1: The AVP codes from 1540 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 def	ined 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 1607 Service-Area-Identity	OctetString OctetString	
1608 Geographical-Information	OctetString	
1609 Geodetic-Information	OctetString	
1610 Current-Location-Retrieved	Enumerated	
1611 Age-Of-Location-Information	Unsigned32	
1612 Active-APN	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	Unsigned32	
1627 Report-Interval 1628 Report-Amount	Enumerated Enumerated	
1629 Event-ThresholdRSRP	Unsigned32	
1630 Event-ThresholdRSRQ	Unsigned32	
1631 Logging-Interval	Enumerated	29.272 [21]
1632 Logging-Duration	Enumerated	
1633 Relay-Node-Indicator	Enumerated	
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	Unsigned32	
1641 VPLMN-CSG-Subscription-Data	Grouped	
1642 Time-Zone	UTF8String	
1644 Received	OctetString	
1644 Reserved 1645 MME-Number-for-MT-SMS	Ootot@tring	
1645 MME-Number-for-MT-SMS 1646 Reserved	OctetString -	
1647 Reserved	<u>-</u>	
1648 SMS-Register-Request	- Enumerated	
1649 Local-Time-Zone	Grouped	
1650 Daylight-Saving-Time	Enumerated	
1651 GMLC-Info	Grouped	
1652 GMLC-Name	DiameterIdentity	
1653 GMLC-Realm	DiameterIdentity	
1654 Subscription-Data-Flags	Unsigned32	
1655 Measurement-Period-LTE	Enumerated	
1656 Measurement-Period-UMTS	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	
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1662 Event-Threshold-Event-1I	Integer32	
1663 Restoration-Priority	Unsigned32	
1664 SGs-MME-Identity	UTF8String	
1665 SIPTO-Local-Network-Permission	Unsigned32	
1666 Coupled-Node-Diameter-ID	DiameterIdentity	
1667 WLAN-offloadability	Grouped	
1668 WLAN-offloadability-EUTRAN	Unsigned32	
1669 WLAN-offloadability-UTRAN	Unsigned32	
1670 Reset-ID	OctetString	
1671 MDT-Allowed-PLMN-Id	OctetString	
1672 Adjacent-PLMNs	Grouped	
1673 Adjacent-Access-Restriction-Data	Grouped	
1674 DL-Buffering-Suggested-Packet-Count	Integer32	
1675 IMSI-Group-Id	Grouped	
1676 Group-Service-Id	Unsigned32	
1677 Group-PLMN-Id	OctetString	
1678 Local-Group-Id	OctetString	
1679 AIR-Flags	Unsigned32	
1680 UE-Usage-Type	Unsigned32	
1681 Non-IP-PDN-Type-Indicator	Enumerated	
1682 Non-IP-Data-Delivery-Mechanism	Unsigned32	
1683 Additional-Context-Identifier	Unsigned32	
1684 SCEF-Realm	DiameterIdentity	
1685 Reserved 1686 Preferred-Data-Mode	- Unaigned 22	
1686 Preferred-Data-Mode 1687 Reserved	Unsigned32	
	-	
1688 Reserved	-	
1689 Reserved 1690 Reserved		
1691 Reserved	-	
1692 Reserved		
1693 Reserved	-	
1694 MBSFN-Area	Grouped	
1695 MBSFN-Area-ID	Unsigned32	
1696 Carrier-Frequency	Unsigned32	
Note: The AVP codes from 1697 to 1699 are reserved for TS 29.27		
2000 SMS-Information	Grouped	
2001 Data-Coding-Scheme	Integer32	
2002 Destination-Interface	Grouped	
2003 Interface-Id	UTF8String	
2004 Interface-Port	UTF8String	
2005 Interface-Text	UTF8String	
2006 Interface-Type	Enumerated	
2007 SM-Message-Type	Enumerated	
2008 Originating-SCCP-Address	Address	
2009 Originator-Interface	Grouped	
2010 Recipient-SCCP-Address	Address	
2011 Reply-Path-Requested	Enumerated	
2012 SM-Discharge-Time	Time	
2013 SM-Protocol-ID	OctetString	
2014 SM-Status	OctetString	32.299 [5]
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	
2022 Refund-Information	OctetString	
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		
2034 Number-Or-Diversions 2035 Associated-Party-Address	Unsigned32 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	
2051 Dynamic-Address-Flag	Enumerated	
2052 Accumulated-Cost	Grouped	
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.	Litamerated	
2100 reserved	_	
2100 reserved 2101 Application-Server-ID	- UTF8String	
2101 Application-Server-ID 2102 Application-Service-Type	Enumerated	
2103 Application-Session-ID	Unsigned32	
2104 Delivery-Status	UTF8String	
2105 reserved	-	
2106 reserved	-	
2107 reserved	-	
2108 reserved	-	00 000 :-:
2109 reserved	-	32.299 [5]
2110 IM-Information	Grouped	
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	
2118 Charge-Reason-Code	Enumerated	
Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.		
2200 Subsession-Decision-Info	Grouped	
2201 Subsession-Enforcement-Info	Grouped	20 245 [22]
2202 Subsession-Id	Unsigned32	29.215 [22]
2203 Subsession-Operation	Enumerated	
<u> </u>	·	

2204 Multiple-BBERF-Action	Enumerated	
2205 UE-Local-IPv6-Prefix	OctetString	
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.		
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 [5]
2312 AoC-Service-Obligatory-Type	Grouped	32.299 [3]
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 [25]
2406 Additional-Serving-Node	Grouped	20:110 [20]
2407 PPR-Address	Address	
2408 MME-Realm	DiameterIdentity	
2409 SGSN-Name	DiameterIdentity	
2410 SGSN-Realm	DiameterIdentity	
2411 RIA-Flags	Unsigned32	
Note: The AVP codes from 2412 to 2499 are reserved for TS 29.173.		
2500 SLg-Location-Type	Enumerated	
2501 LCS-EPS-Client-Name	Grouped	
2502 LCS-Requestor-Name	Grouped	
2503 LCS-Priority	Unsigned32	
2504 LCS-QoS	Grouped	
2505 Horizontal-Accuracy	Unsigned32	
2506 Vertical-Accuracy	Unsigned32	
2507 Vertical-Requested	Enumerated	
2508 Velocity-Requested	Enumerated	
2509 Response-Time	Enumerated	20 472 [04]
2510 Supported-GAD-Shapes 2511 LCS-Codeword	Unsigned32	29.172 [24]
	UTF8String	
2512 LCS-Privacy-Check 2513 Accuracy-Fulfilment-Indicator	Enumerated	
2513 Accuracy-Fulliment-Indicator 2514 Age-Of-Location-Estimate	Enumerated Unsigned32	
2515 Velocity-Estimate	OctetString	
2515   Velocity-Estimate     2516   EUTRAN-Positioning-Data	OctetString	
2517 ECGI	OctetString	
2517 ECGI 2518 Location-Event	Enumerated	
2519 Pseudonym-Indicator	Enumerated	
2520 LCS-Service-Type-ID	Unsigned32	
LA CASTALLE AND LA NOCE LA AND CLITA	Unaignedaz	

2521   I.C.S-Privacy-Check-Non-Session   Grouped				
2523 (CS-90-Class   Enumerated   2524 (ERRAN-Positioning-Data   OctetString   2525 (ERRAN-Positioning-Data   OctetString   2526 (ERRAN-Positioning-Data   OctetString   2527 (UTRAN-Positioning-Info   Grouped   2528 (UTRAN-Positioning-Data   OctetString   2529 (UTRAN-CANSS-Positioning-Data   OctetString   2529 (UTRAN-CANSS-Positioning-Data   OctetString   2529 (UTRAN-Positioning-Data   OctetString   2520 (UTRAN-Positioning-Data   OctetString   2521 (Deferred-Ucation-Type   Unsigned32   2522 (Deferred-Ucation-Type   Unsigned32   2523 (Area-Event-Info   Grouped   2524 (Area-Heintification   Grouped   2525 (Area-Heintification   Grouped   2526 (Area-Heintification   Grouped   2526 (Area-Heintification   Grouped   2529 (Deferred-UTRAN-Positioning-Data   Unsigned32   2540 (Pernotic-UTRAN-Data   Unsigned32   2541 (Pernotic-UTRAN-Data   Unsigned32   2542 (Reporting-PLMN-List   Grouped   2543 (Pernoting-Data   Unsigned32   2544 (PLMN-UTRAN-Data   Grouped   2544 (PLMN-UTRAN-Data   Grouped   2544 (PLMN-UTRAN-Data   Grouped   2545 (PLR-Flags   Unsigned32   2546 (PLK-Flags   Unsigned32   2547 (Perford-MT-LR-Data   Grouped   2548 (Purporting-Data   Grouped   2549 (Purporting-Data   Grouped   2540 (Pernoting-Data   Grouped   2540 (Pernoting-Data   Grouped   2541 (PLR-Flags   Unsigned32   2542 (PLR-Flags   Unsigned32   2543 (PLR-Flags   Unsigned32   2544 (PLR-Flags   Unsigned32   2545 (PLR-Flags   Unsigned32   2546 (PLK-Flags   Unsigned32   2547 (Poterred-MT-LR-Data   Grouped   2548 (PLR-Flags   Unsigned32   2549 (PLR-Flags   Unsigned32   2549 (PLR-Flags   Unsigned32   2540 (PLR			Grouped	
2524 (SERAN-Positioning-Data				
2525   GERAN-Postioning-Data   OctelString   2526   GERAN-Postioning-Info   Grouped   2527   UTRAN-Positioning-Info   Grouped   2528   UTRAN-Positioning-Data   OctelString   2529   UTRAN-Positioning-Data   OctelString   2529   UTRAN-Positioning-Data   OctelString   2529   UTRAN-GANSS-Positioning-Data   OctelString   2529   UTRAN-GANSS-Positioning-Data   OctelString   2520   UTRAN-GANSS-Positioning-Data   OctelString   2521   UTRAN-GANSS-Positioning-Data   OctelString   2521   Utran-GANSS-Positioning-Data   OctelString   2522   Deferred-Location-Type   Unsigned32   2523   Area-Event-Info   Grouped   2524   Area-Definition   Grouped   2525   Area   Grouped   2526   Area   Grouped   2526   Area-Information   Grouped   2527   Area-Identification   Grouped   2528   Octensor-Definition   Grouped   2529   Interval-Time   Unsigned32   2529   Octensor-Definition   Grouped   2529   Periodic-UR-Information   Grouped   2520   Periodic-UR-Information   Grouped   2521   Reporting-Amount   Unsigned32   2524   Reporting-PLMN-List   Grouped   2524   Reporting-PLMN-List   Grouped   2524   PLR-Flags   Unsigned32   2524   Plemed-MT-LR-Data   Grouped   2525   Periodic-U-cation-Support-Indicator   Enumerated   2525   Prioritized-List-Indicator   Enumerated   2525   Prioritized-List-Indicator   Enumerated   2525   Prioritized-List-Indicator   Enumerated   2525   Prioritized-List-Indicator   Enumerated   2526   Octel-Tority-Indicator   Enumerated   2526   Octel-Tority-Indicator   Enumerated   2527   Branch-Location-Reporting-Data   Grouped   2526   Octel-Tority-Indicator   Enumerated   2527   Branch-Location-Reporting-Data   Grouped   2526   Octel-Tority-Indicator   Enumerated   2527   Grand-Address   UrfsString   2528   UrfsString   UrfsString   2529   Prioritized-List-Indicator   Enumerated   2520   Priority-Indicator   Enumerated   2520   Priority-Indicator   Enumerated   2520   Priority-Indicator   Enum				
2526   GERAN-GANSS-Positioning-Data   OctelString   2528   UTRAN-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-Positioning-In-In-In-Positioning-In-In-In-In-In-In-In-In-In-In-In-In-In-				
SEZIO UTRAN-Positioning-Data   Cotestitring				
Description				
Description   Celebrate   Ce				
2530   LCR-Flags				
Content				
2533   Pare Syent-Info				
2533 Area-Event-Info				
2534 Area				
2536   Area - Type				
2536 Area-Type				
2533   Cacurrence-Info				
2538   Cocurrence-Info				
District   District				
2540   Periodic-LDR-Information				
Each   Reporting-Manuent   Unsigned32			Ü	
2543   Reporting-Interval   Unsigned32   2544   PLMN-ID-List   Grouped   2545   PLR-Flags   Unsigned32   2546   PLR-Flags   Unsigned32   2547   Deferred-MT-LR-Data   Grouped   2548   Termination-Cause   Unsigned32   2549   LR-Flags   Unsigned32   2550   Periodic-Location-Support-Indicator   Enumerated   2551   Prioritized-List-Indicator   Enumerated   2552   ESMLC-Cell-Info   Grouped   2553   Cell-Portion-ID   Unsigned32   2554   LRTT-RCID   Grouped   2555   Cell-Portion-ID   Unsigned32   2556   Civic-Address   UTF8String   2557   Barometric-Pressure   Unsigned32   2558   UTRAN-Additional-Positioning-Data   OctetString   2558   UTRAN-Additional-Positioning-Data   OctetString   2559   UTRAN-Additional-Positioning-Data   OctetString   2601   IMS-Application-Reference-Identifier   UTF8String   2602   Low-Priority-Indicator   Enumerated   2603   IP-Realm-Default-Indicator   Enumerated   2604   Local-GW-Inserted-Indicator   Enumerated   2605   Pro-Address   Enumerated   2606   PDP-Address   Priority-Length   Unsigned32   2700   Reserved				
2544   PLMN-ID-List   Grouped   2544   PLMN-ID-List   Grouped   2545   PLR-Flags   Unsigned32   2546   PLR-Flags   Unsigned32   2547   Deferred-MT-LR-Data   Grouped   2548   Termination-Cause   Unsigned32   2549   LRA-Flags   Unsigned32   2549   LRA-Flags   Unsigned32   2549   LRA-Flags   Unsigned32   2540   Deferred-MT-LR-Data   Grouped   2541   Deferred-MT-LR-Data   Grouped   2542   Deferred-MT-LR-Data   Unsigned32   2543   LRA-Flags   Unsigned32   2544   Deferred-MT-LR-Data   Grouped   2550   Periodic-Location-Support-Indicator   Enumerated   2551   Prioritized-List-Indicator   Grouped   2552   ESML-C-Cell-Info   Grouped   2553   Cell-Portion-ID   Unsigned32   2554   URTT-RCID   OctetString   2555   Delayed-Location-Reporting-Data   Grouped   2556   Delayed-Location-Reporting-Data   Grouped   2557   Barometric-Pressure   Unsigned32   2558   UTRAN-Additional-Positioning-Data   OctetString   2559   Unsigned32   OctetString   2550   Delayed-Location-Reference-Identifier   UTF8String   2601   ImS-Application-Reference-Identifier   UTF8String   2602   InS-application-Reference-Identifier   UTF8String   2603   In-Realm-Default-Indicator   Enumerated   2604   Enumerated   Supplied   Supplied   2605   Transcoder-Inserted-Indicator   Enumerated   2606   PDP-Address-Prefix-Length   Unsigned32   Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299   2700   Reserved   -				
EASH   PLMN-ID-List   Grouped				
2546   PLA-Flags				
2546   PLA-Flags				
Deferred-MT-LR-Data				
Estator   Termination   Cause   Unsigned32   End   E				
2549   RA-Flags				
2550   Periodic-Location-Support-Indicator   Enumerated   2551   Prioritized-List-Indicator   Enumerated   2552   ESMLC-Cell-Info   Grouped   2553   Cell-Portion-ID   Unsigned32   2554   IxRTT-RCID   OctetString   2555   Delayed-Location-Reporting-Data   Grouped   2556   Civic-Address   UTF8String   2557   Barometric-Pressure   Unsigned32   2558   UTRAN-Additional-Positioning-Data   OctetString   2559   Delayed-Location-Reporting-Data   OctetString   2560   Impaired   OctetString   2570   Barometric-Pressure   Unsigned32   2580   UTRAN-Additional-Positioning-Data   OctetString   2581   UTRAN-Additional-Positioning-Data   OctetString   2582   Unsigned32   OctetString   2583   UTRAN-Additional-Positioning-Data   OctetString   2600   Impaired   Unsigned32   OctetString   2601   Impaired   UTF8String   2602   Low-Priority-Indicator   Enumerated   2603   In-Realm-Default-Indicator   Enumerated   2604   Local-GW-Inserted-Indicator   Enumerated   2605   Transcoder-Inserted-Indicator   Enumerated   2606   PDP-Address-Prefix-Length   Unsigned32   2700   Reserved     2701   Transit-IOI-List   UTF8String   2702   Status-AS-Code   Enumerated   2703   NNI-Information   Grouped   2704   NNI-Type   Enumerated   2705   Neighbour-Node-Address   Address   2706   Relationship-Mode   Enumerated   2707   Session-Direction   Enumerated   2708   From-Address   UTF8String   2709   Access-Transfer-Information   Grouped   2710   Access-Transfer-Information   Grouped   2711   Related-IMS-Charging-Identifier   UTF8String   2712   Related-IMS-Charging-Identifier   UTF8String   2713   IMS-Visited-Network-Identifier   UTF8String   2714   TWAN-User-Location-Info   Grouped   2715   Reserved     2716   RSSID   UTF8String   27176   RSSID   UTF8String   2718   RSSID   UTF8String   2719   Care   Care   Care   Care   Care   Care   Care   Care   2710   Care   Care   Care   Care   Care   Care   Care   Care   Care   2711   Care   Care   Care   Care   Care   Care   Care   Care   2712   Related-IMS-Charging-Identifier   UTF8String   2713   RSS				
Estil   Prioritized-List-Indicator   Enumerated				
2552   ESMLC-Cell-Info				
2553   Cell-Portion-ID				
2554   1xRTT-RCID				
2555   Delayed-Location-Reporting-Data   Grouped				
2556   Civic-Address   UTF8String   2557   Barometric-Pressure   Unsigned32   2558   UTRAN-Additional-Positioning-Data   OctetString   Note: The AVP codes from 2559 to 2599 are reserved for TS 29.172.				
2557   Barometric-Pressure				
Description				
Note: The AVP codes from 2559 to 2599 are reserved for TS 29.172.				
2600   reserved			Octerating	
2601   IMS-Application-Reference-Identifier   UTF8String   2602   Low-Priority-Indicator   Enumerated   2603   IP-Realm-Default-Indicator   Enumerated   Enumerated   2604   Local-GW-Inserted-Indicator   Enumerated   2605   Transcoder-Inserted-Indicator   Enumerated   2606   PDP-Address-Prefix-Length   Unsigned32			_	
2602 Low-Priority-Indicator         Enumerated           2603 IP-Realm-Default-Indicator         Enumerated           2604 Local-GW-Inserted-Indicator         Enumerated           2605 Transcoder-Inserted-Indicator         Enumerated           2606 PDP-Address-Prefix-Length         Unsigned32           Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.         -           2700 Reserved         -           2701 Transit-IOI-List         UTF8String           2702 Status-AS-Code         Enumerated           2703 NNI-Information         Grouped           2704 NNI-Type         Enumerated           2705 Neighbour-Node-Address         Address           2706 Relationship-Mode         Enumerated           2708 From-Address         UTF8String           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           2715 Reserved         -           2716 BSSID         UTF8Strin			LITESString	
2603 IP-Realm-Default-Indicator         Enumerated           2604 Local-GW-Inserted-Indicator         Enumerated           2605 Transcoder-Inserted-Indicator         Enumerated           2606 PDP-Address-Prefix-Length         Unsigned32           Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.         —           2700 Reserved         -           2701 Transit-IOI-List         UTF8String           2702 Status-AS-Code         Enumerated           2703 NNI-Information         Grouped           2704 NNI-Type         Enumerated           2705 Neighbour-Node-Address         Address           2706 Relationship-Mode         Enumerated           2707 Session-Direction         Enumerated           2708 From-Address         UTF8String           2709 Access-Transfer-Information         Grouped           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           2715 Reserved         -           2716 BSSID         UTF8String				
2604         Local-GW-Inserted-Indicator         Enumerated           2605         Transcoder-Inserted-Indicator         Enumerated           2606         PDP-Address-Prefix-Length         Unsigned32           Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.         -           2700         Reserved         -           2701         Transit-IOI-List         UTF8String           2702         Status-AS-Code         Enumerated           2703         NNI-Information         Grouped           2704         NNI-Type         Enumerated           2705         Neighbour-Node-Address         Address           2706         Relationship-Mode         Enumerated           2707         Session-Direction         Enumerated           2708         From-Address         UTF8String           2709         Access-Transfer-Information         Grouped           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           2715         Reserved         -           2716				32 299 [5]
2605         Transcoder-Inserted-Indicator         Enumerated           2606         PDP-Address-Prefix-Length         Unsigned32           Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.         -           2700         Reserved         -           2701         Transit-IOI-List         UTF8String           2702         Status-AS-Code         Enumerated           2703         NNI-Information         Grouped           2704         NNI-Type         Enumerated           2705         Neighbour-Node-Address         Address           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           2713         IMS-Visited-Network-Identifier         UTF8String           2714         TWAN-User-Location-Info         Grouped           2715         Reserved         -           2716         BSSID         UTF8String				02.200 [0]
2606         PDP-Address-Prefix-Length         Unsigned32           Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.         -           2700         Reserved         -           2701         Transit-IOI-List         UTF8String           2702         Status-AS-Code         Enumerated           2703         NNI-Information         Grouped           2704         NNI-Type         Enumerated           2705         Neighbour-Node-Address         Address           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           2713         IMS-Visited-Network-Identifier         UTF8String           2714         TWAN-User-Location-Info         Grouped           2715         Reserved         -           2716         BSSID         UTF8String				
Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.           2700 Reserved         -           2701 Transit-IOI-List         UTF8String           2702 Status-AS-Code         Enumerated           2703 NNI-Information         Grouped           2704 NNI-Type         Enumerated           2705 Neighbour-Node-Address         Address           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 Address         UTF8String           2713 IMS-Visited-Network-Identifier         UTF8String           2714 TWAN-User-Location-Info         Grouped           2715 Reserved         -           2716 BSSID         UTF8String				
2700   Reserved         -           2701   Transit-IOI-List         UTF8String           2702   Status-AS-Code         Enumerated           2703   NNI-Information         Grouped           2704   NNI-Type         Enumerated           2705   Neighbour-Node-Address         Address           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         UTF8String           2713   IMS-Visited-Network-Identifier         UTF8String           2714   TWAN-User-Location-Info         Grouped           2715   Reserved         -           2716   BSSID         UTF8String		· · · · · · · · · · · · · · · · · · ·		
2701Transit-IOI-ListUTF8String2702Status-AS-CodeEnumerated2703NNI-InformationGrouped2704NNI-TypeEnumerated2705Neighbour-Node-AddressAddress2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-IdentifierUTF8String2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String			-	
2702Status-AS-CodeEnumerated2703NNI-InformationGrouped2704NNI-TypeEnumerated2705Neighbour-Node-AddressAddress2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-IdentifierUTF8String2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String			UTF8String	
2703NNI-InformationGrouped2704NNI-TypeEnumerated2705Neighbour-Node-AddressAddress2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String				
2704NNI-TypeEnumerated2705Neighbour-Node-AddressAddress2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String				
2705Neighbour-Node-AddressAddress2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String				
2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String				
2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String				
2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String				
2709 Access-Transfer-InformationGrouped2710 Access-Transfer-TypeEnumerated2711 Related-IMS-Charging-IdentifierUTF8String2712 Related-IMS-Charging-Identifier-NodeAddress2713 IMS-Visited-Network-IdentifierUTF8String2714 TWAN-User-Location-InfoGrouped2715 Reserved-2716 BSSIDUTF8String				22 200 [5]
2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String				J∠.∠99 [5]
2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String				
2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String				
2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String			Address	
2715 Reserved         -           2716 BSSID         UTF8String	2713	IMS-Visited-Network-Identifier		
2716 BSSID UTF8String			Grouped	
			-	
2717 TAD-Identifier Enumerated			UTF8String	
	2717	TAD-Identifier	Enumerated	

Note: The AVP Codes from 271s to 2799 are reserved for 1s 32.299.	N - TI AVD - 1 ( 0740 + 0700 - 1 ( TO 00 000		
2802   TDF-Application-Instance-Identifier   CotelString   2803   HoNB-BBF-FODN   UTFString   2804   HoNB-CacaliP-Address   Address   2806   UDF-Surce-Port   Unsigned32   2806   UDF-Surce-Port   Unsigned32   2807   CS-Service-Gos-Request-Identifier   CotelString   2808   CS-Service-Gos-Request-Identifier   CotelString   2809   CS-Service-Gos-Request-Identifier   CotelString   2809   CS-Service-Gos-Request-Identifier   CotelString   2809   CS-Service-Gos-Request-Identifier   CotelString   2809   CS-Service-Gos-Request-Identifier   Time   2810   Monitoring-Time   Time   2811   Monitoring-Time   Time   2811   CS-Service-Resource-Report   Time   2812   User-Location-Info-Time   Grouped   2813   CS-Service-Resource-Report   Time   2814   CS-Service-Resource-Report   Time   2814   CS-Service-Resource-Report   Time   2815   CS-Service-Resource-Report   Time   2816   Default-Cos-Information   Grouped   2817   Default-Cos-Information   Grouped   2818   Conditional-APN-Aggregate-Max-Stirate   Grouped   2819   Pesance-Reporting-Area-Identifier   CotelString   2820   Presence-Reporting-Area-Information   Grouped   2822   Presence-Reporting-Area-Information   Grouped   2822   Presence-Reporting-Area-Information   Grouped   2823   Presence-Reporting-Area-Information   Grouped   2824   Motto-Access-Support   Unsigned32   2825   PCSCF-Restoration-Indication   Unsigned32   2826   PCSCF-Restoration-Indication   Unsigned32   2827   PCAN-Session-Charging-Scope   Enumerated   2828   Monitoring-Flags   Unsigned32   2828   Monitoring-Flags   Unsigned32   2829   Potent-McSeport   Grouped   2831   Routing-Rule-Report   Grouped   2832   RAN-Bule-Buler-Code   Unsigned32   2833   Routing-Pulc-Policy-Identifier-UL   CotelString   2833   Routing-Pulc-Policy-Information   Grouped   2840   Condition-Policy-Information   Grouped   2841   Condition-Policy-Information   Grouped   2842   Romoval-Policy-Counter-Status   Unsigned32   2838   Routing-Policy-Counter-Information   Grouped   2800   Policy-Counter-Information   Grouped   2800   Policy-	Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.	T	
2803   HeNB-BF-CON		Time.	
BANS_BBF-FODN			
BAND   HeNB-Local-IP-Address			
2806 UDF_Source-Port   Unsigned32   2807 US-Service-Oos-Request-Identifier   OctesString   OctesString   2808 (CS-Service-Oos-Request-Identifier   OctesString   2808 (CS-Service-Oos-Request-Operation   Enumerated   2809 Mule-Notification   Enumerated   2810 Monitoring-Time   Time   2811 MAI-GW-Status   Enumerated   2811 Users   Concation-Info-Time   Grouped   2812 Users   Concation-Info-Time   Grouped   2813 (CS-Service-Resource-Fabror   Time   2814 (CS-Service-Resource-Fabror   Time   2814 (CS-Service-Resource-Fabror   Time   2815 (Descripted Resource-Result-Operation   Enumerated   2816 (CS-Service-Resource-Fabror   Time   2817 (Destault-QOS-Information   Grouped   2818 (Descripted Resource-Result-Operation   Grouped   2819 (Descripted Resource-			
UDP-Source-Port			
2808   CS-Service-Coos-Request-Identifier			
2808   Muter-Notification			
2809 Mute-Notification			
Monitoring-Time			
2811   MA-GW-Status			
2813   CS-Service-Resource-Report			
2814   CS-Service-Resource-Faultr-Ocause   Enumerated   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   2820   Presence-Reporting-Area-Information   Grouped   2821   Presence-Reporting-Area-Information   Grouped   2822   Presence-Reporting-Area-Information   Grouped   2823   Presence-Reporting-Area-Information   Grouped   2824   Presence-Reporting-Area-Information   Grouped   2825   Fixed-Uper-Location-Info   Grouped   2826   Fixed-Vise-Resoin   Grouped   2826   Presence-Reporting-Area-Information   Unsigned32   2827   IP-CAN-Session-Charging-Scope   Enumerated   2828   Delaut-Access   Unsigned32   2829   Delaut-Access   Unsigned32   2829   Delaut-Access   Enumerated   2830   NBIFOM-Mode   Enumerated   2831   NBIFOM-Mode   Enumerated   2832   RAN-Rule-Support   Unsigned32   2833   Access-Availability-Change-Reason   Unsigned32   2834   Routing-Rule-Faiture-Code   Unsigned32   2835   Routing-Rule-Faiture-Code   Unsigned32   2836   Routing-Rule-Report   Grouped   2837   Traffic-Steering-Policy-Identifier-DL   OctetString   2838   Request-Type   Unsigned32   2839   Request-Type   Unsigned32   2841   Resource-Release-Notification   Grouped   2842   Removal-Of-Access   Enumerated   2843   Traffic-Steering-Policy-Identifier   Grouped   2844   Resource-Release-Notification   Grouped   2845   Traffic-Steering-Policy-Unter-Status-Report   Grouped   2840   Policy-Counter-Status-Report   Grouped   2841   Resource-Release-Notification   Grouped   2841   Grouped   Grouped   2842   Grouped   Grouped   2843   Traffic-Steering-Policy-Counter-Status-Report   Grouped   2844   Resource-Release-Notification   Grouped   2856   Pending-Policy-Counter-Status   Grouped   2867   Policy-Counter-Status-Report   Grouped   2868   Pending-Policy-Counter-Status-Report   Grouped   2870   P			
2815   CS-Service-Resource-Result-Operation			
Befault-QoS-Information			
2818   Conditional-APN-Aggregate-Max-Bitrate   Grouped   2819   RAN-HAS-Release-Cause   OctetString   2820   Presence-Reporting-Area-Elements-List   OctetString   2821   Presence-Reporting-Area-Identifier   OctetString   2822   Presence-Reporting-Area-Identifier   OctetString   2823   Presence-Reporting-Area-Identifier   OctetString   2824   Netto-Access-Support   Onsigned32   2825   Presence-Reporting-Area-Information   Grouped   2826   PoSCF-Restoration-Info   Grouped   2826   PoSCF-Restoration-Indication   Unsigned32   2827   IP-CAN-Session-Charging-Scope   Enumerated   2828   Description-Indication   Unsigned32   2829   Defaut-Access   Unsigned32   2829   Defaut-Access   Enumerated   2821   NBIFOM-Mode   Enumerated   2823   NBIFOM-Support   Unsigned32   2823   RAN-Rule-Support   Unsigned32   2823   RAN-Rule-Support   Unsigned32   2824   Routing-Rule-Failure-Code   Unsigned32   2825   Routing-Rule-Failure-Code   Unsigned32   2826   Routing-Rule-Report   Grouped   2827   Traffic-Steering-Policy-Identifier-DL   OctetString   2828   Reguest-Type   Unsigned32   2829   Research   Unsigned32   Unsigned32   2830   Reguest-Type   Unsigned32   2831   Reguest-Type   Unsigned32   2832   Reguest-Type   Unsigned32   2833   Reguest-Type   Unsigned32   2840   Conditional-Policy-Information   Grouped   2841   Resource-Release-Notification   Enumerated   2842   Removal-Of-Access   Enumerated   2843   Tor-Source-Port   Unsigned32   2800   Pelding-Policy-Counter-Information   Grouped   2801   Policy-Counter-Status   Unsigned32   2802   Policy-Counter-Status   Unsigned32   2803   Policy-Counter-Information   Grouped   2804   Policy-Counter-Information   Grouped   2805   Policy-Counter-Status-Report   Grouped   2806   Pending-Policy-Counter-Information   Grouped   2807   Policy-Counter-Information   Grouped   2808   Policy-Counter-Information   Grouped   2809   Policy-Counter-Status-Report   Grouped   2800   Policy-Counter-Status   Grouped   2800   Policy-Counter-Status   Grouped   2800   Policy-Counter-Status   Grouped   2800			
RAN-NAS-Release-Cause			
Presence-Reporting-Area-Elements-List			
Presence-Reporting-Area-Information   Grouped			
Presence-Reporting-Area-Information   Grouped			
			29.212 [19]
2824   NetLoc-Access-Support			
Response   Page   Pag			
PCSCF-Restoration-Indication   Unsigned32			
2821   P-CAN-Session-Charging-Scope   Enumerated   2828   Monitoring-Flags   Unsigned32   2829   Default-Access   Enumerated   2830   NBIFOM-Mode   Enumerated   2831   NBIFOM-Mode   Enumerated   2832   RAN-Rule-Support   Enumerated   2832   RAN-Rule-Support   Unsigned32   2833   Routing-Rule-Failure-Code   Unsigned32   2834   Routing-Rule-Failure-Code   Unsigned32   2835   Routing-Rule-Failure-Code   Unsigned32   2836   Routing-Rule-Failure-Code   Unsigned32   2837   Traffic-Steering-Policy-Identifier-DL   OctetString   2838   Request-Type   Unsigned32   2839   Execution-Time   Time   2840   Conditional-Policy-Information   Grouped   2841   Resource-Release-Notification   Enumerated   2842   Removal-Of-Access   Enumerated   2843   TCP-Source-Port   Unsigned32   2840   TcP-Source-Port   Unsigned32   2851   TcP-Source-Port   Unsigned32   2862   Policy-Counter-Identifier   Grouped   2863   Policy-Counter-Status   UTF8String   2860   Policy-Counter-Status-Report   Grouped   2861   Policy-Counter-Status-Report   Grouped   2862   Policy-Counter-Status-Report   Grouped   2863   Policy-Counter-Status-Report   Grouped   2864   SL-Request-Type   Enumerated   2865   Pending-Policy-Counter-Change-Time   Time   2866   Pending-Policy-Counter-Change-Time   Time   2870   Policy-Counter-Status-Report   Grouped   2880   Policy-Counter-Status			
Rabia   Monitoring-Flags   Unsigned32			
Rabia   Default-Access   Enumerated			
2830   NBIFOM-Mode		<u> </u>	
2831   NBIFOM-Support			
2832   RAN-Rule-Support			
2833   Access-Availability-Change-Reason   Unsigned32   2834   Routing-Rule-Failure-Code   Unsigned32   2835   Routing-Rule-Failure-Code   Unsigned32   2836   Routing-Rule-Failure-Code   Grouped   2836   Traffic-Steering-Policy-Identifier-DL   OctetString   OctetString   2837   Traffic-Steering-Policy-Identifier-UL   OctetString   Unsigned32   2838   Request-Type   Unsigned32			
2834   Routing-Rule-Failure-Code   Unsigned32   2835   Routing-Rule-Report   Grouped   Grouped   2836   Traffic-Steering-Policy-Identifier-DL   OctetString   2837   Traffic-Steering-Policy-Identifier-UL   OctetString   2838   Request-Type   Unsigned32   2839   Execution-Time   Time   Grouped   2840   Conditional-Policy-Information   Grouped   2841   Resource-Release-Notification   Enumerated   2842   Removal-Of-Access   Enumerated   Enumerated   2843   TCP-Source-Port   Unsigned32   2843   TCP-Source-Port   Unsigned32   2901   Policy-Counter-Identifier   Grouped   2901   Policy-Counter-Identifier   Grouped   2902   Policy-Counter-Status   UTF8String   2903   Policy-Counter-Status-Report   Grouped   2904   SL-Request-Type   Enumerated   2905   Pending-Policy-Counter-Change-Time   Time   Note: The AVP codes from 2907 to 2999 are reserved for TS 29.219.   3000   reserved   -			
2835   Routing-Rule-Report   Grouped			
2836         Traffic-Steering-Policy-Identifier-DL         OctetString           2837         Traffic-Steering-Policy-Identifier-UL         OctetString           2838         Request-Type         Unsigned32           2839         Execution-Time         Time           2840         Conditional-Policy-Information         Grouped           2841         Resource-Release-Notification         Enumerated           2842         Removal-Of-Access         Enumerated           2843         TCP-Source-Port         Unsigned32           Note: The AVP codes from 2844 to 2899 are reserved for TS 29.212.         Unsigned32           2900         reserved         -           2901         Policy-Counter-Identifier         Grouped           2902         Policy-Counter-Status         UTFRString           2903         Policy-Counter-Status-Report         Grouped           2904         SL-Request-Type         Enumerated           2905         Pending-Policy-Counter-Information         Grouped           2905         Pending-Policy-Counter-Change-Time         Time           Note: The AVP codes from 2907 to 2999 are reserved for TS 29.219.         Time           3001         Device-Notification         Grouped           3002         Device-Notific			
2837         Traffic-Steering-Policy-Identifier-UL         OctetString           2838         Request-Type         Unsigned32           2839         Execution-Time         Time           2840         Conditional-Policy-Information         Grouped           2841         Resource-Release-Notification         Enumerated           2843         TCP-Source-Port         Unsigned32           Note: The AVP codes from 2844 to 2899 are reserved for TS 29.212.			
2838         Request-Type         Unsigned32           2839         Execution-Time         Time           2840         Conditional-Policy-Information         Grouped           2841         Resource-Release-Notification         Enumerated           2842         Removal-Of-Access         Enumerated           2843         TCP-Source-Port         Unsigned32           Note: The AVP codes from 2844 to 2899 are reserved for TS 29.212.         -           2900         reserved         -           2901         Policy-Counter-Identifier         Grouped           2902         Policy-Counter-Identifier         Grouped           2903         Policy-Counter-Status         UTF8String           2904         Policy-Counter-Status-Report         Grouped           2905         Pending-Policy-Counter-Information         Grouped           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 29.219.         Grouped           3000         reserved         -           3001         Device-Action         Grouped           3002         Device-Notification         Grouped      <			
2839		<u> </u>	
2840Conditional-Policy-InformationGrouped2841Resource-Release-NotificationEnumerated2842Removal-Of-AccessEnumerated2843TCP-Source-PortUnsigned32Note: The AVP codes from 2844 to 2899 are reserved for TS 29.2122900reserved-2901Policy-Counter-IdentifierGrouped2902Policy-Counter-StatusUTF85tring2903Policy-Counter-Status-ReportGrouped2904SL-Request-TypeEnumerated2905Pending-Policy-Counter-InformationGrouped2906Pending-Policy-Counter-Change-TimeTimeNote: The AVP codes from 2907 to 2999 are reserved for TS 29.2193000Povice-ActionGrouped3001Device-NotificationGrouped3002Device-NotificationGrouped3003Trigger-DataGrouped3004PayloadOctetString3005Action-TypeEnumerated3006Priority-IndicationEnumerated3007Reference-NumberUnsigned323008Request-StatusEnumerated3009Delivery-OutcomeEnumerated			
2841 Resource-Release-Notification         Enumerated           2842 Removal-Of-Access         Enumerated           2843 TCP-Source-Port         Unsigned32           Note: The AVP codes from 2844 to 2899 are reserved for TS 29.212.         -           2900 reserved         -           2901 Policy-Counter-Identifier         Grouped           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 29.219.         3000 reserved           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           3007 Reference-Number         Unsigned32           3008 Request-Status         Enumerated           3009 Delivery-Outcome         Enumerated			
2842 Removal-Of-Access         Enumerated           2843 TCP-Source-Port         Unsigned32           Note: The AVP codes from 2844 to 2899 are reserved for TS 29.212.           2900 reserved         -           2901 Policy-Counter-Identifier         Grouped           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 29.219.         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           3007 Reference-Number         Unsigned32           3008 Request-Status         Enumerated           3009 Delivery-Outcome         Enumerated			
Note: The AVP codes from 2844 to 2899 are reserved for TS 29.212.   2900   reserved   -			
Note: The AVP codes from 2844 to 2899 are reserved for TS 29.212.  2900   reserved   -			
2900   reserved         -           2901   Policy-Counter-Identifier         Grouped           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 29.219.         Grouped           3001   Device-Action         Grouped           3002   Device-Notification         Grouped           3003   Trigger-Data         Grouped           3004   Payload         OctetString           3005   Action-Type         Enumerated           3007   Reference-Number         Unsigned32           3008   Request-Status         Enumerated           3009   Delivery-Outcome         Enumerated		<u> </u>	•
2901Policy-Counter-IdentifierGrouped2902Policy-Counter-StatusUTF8String2903Policy-Counter-Status-ReportGrouped2904SL-Request-TypeEnumerated2905Pending-Policy-Counter-InformationGrouped2906Pending-Policy-Counter-Change-TimeTimeNote: The AVP codes from 2907 to 2999 are reserved for TS 29.2193000reserved-3001Device-ActionGrouped3002Device-NotificationGrouped3003Trigger-DataGrouped3004PayloadOctetString3005Action-TypeEnumerated3006Priority-IndicationEnumerated3007Reference-NumberUnsigned323008Request-StatusEnumerated3009Delivery-OutcomeEnumerated		-	
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 29.219.         -           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           3007 Reference-Number         Unsigned32           3008 Request-Status         Enumerated           3009 Delivery-Outcome         Enumerated		Grouped	
2903Policy-Counter-Status-ReportGrouped2904SL-Request-TypeEnumerated2905Pending-Policy-Counter-InformationGrouped2906Pending-Policy-Counter-Change-TimeTimeNote: The AVP codes from 2907 to 2999 are reserved for TS 29.2193000reserved-3001Device-ActionGrouped3002Device-NotificationGrouped3003Trigger-DataGrouped3004PayloadOctetString3005Action-TypeEnumerated3006Priority-IndicationEnumerated3007Reference-NumberUnsigned323008Request-StatusEnumerated3009Delivery-OutcomeEnumerated			
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 29.219.  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 3007 Reference-Number Unsigned32 3008 Request-Status Enumerated 3009 Delivery-Outcome			29.219 [26]
2905Pending-Policy-Counter-InformationGrouped2906Pending-Policy-Counter-Change-TimeTimeNote: The AVP codes from 2907 to 2999 are reserved for TS 29.2193000reserved-3001Device-ActionGrouped3002Device-NotificationGrouped3003Trigger-DataGrouped3004PayloadOctetString3005Action-TypeEnumerated3006Priority-IndicationEnumerated3007Reference-NumberUnsigned323008Request-StatusEnumerated3009Delivery-OutcomeEnumerated			]
2906Pending-Policy-Counter-Change-TimeTimeNote: The AVP codes from 2907 to 2999 are reserved for TS 29.2193000reserved-3001Device-ActionGrouped3002Device-NotificationGrouped3003Trigger-DataGrouped3004PayloadOctetString3005Action-TypeEnumerated3006Priority-IndicationEnumerated3007Reference-NumberUnsigned323008Request-StatusEnumerated3009Delivery-OutcomeEnumerated		Grouped	
Note: The AVP codes from 2907 to 2999 are reserved for TS 29.219.           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           3007 Reference-Number         Unsigned32           3008 Request-Status         Enumerated           3009 Delivery-Outcome         Enumerated			
3001         Device-Action         Grouped           3002         Device-Notification         Grouped           3003         Trigger-Data         Grouped           3004         Payload         OctetString           3005         Action-Type         Enumerated           3006         Priority-Indication         Enumerated           3007         Reference-Number         Unsigned32           3008         Request-Status         Enumerated           3009         Delivery-Outcome         Enumerated	Note: The AVP codes from 2907 to 2999 are reserved for TS 29.219.		
3001         Device-Action         Grouped           3002         Device-Notification         Grouped           3003         Trigger-Data         Grouped           3004         Payload         OctetString           3005         Action-Type         Enumerated           3006         Priority-Indication         Enumerated           3007         Reference-Number         Unsigned32           3008         Request-Status         Enumerated           3009         Delivery-Outcome         Enumerated		-	
3003         Trigger-Data         Grouped           3004         Payload         OctetString           3005         Action-Type         Enumerated           3006         Priority-Indication         Enumerated           3007         Reference-Number         Unsigned32           3008         Request-Status         Enumerated           3009         Delivery-Outcome         Enumerated		Grouped	
3004 Payload         OctetString           3005 Action-Type         Enumerated           3006 Priority-Indication         Enumerated           3007 Reference-Number         Unsigned32           3008 Request-Status         Enumerated           3009 Delivery-Outcome         Enumerated			
3004 Payload         OctetString           3005 Action-Type         Enumerated           3006 Priority-Indication         Enumerated           3007 Reference-Number         Unsigned32           3008 Request-Status         Enumerated           3009 Delivery-Outcome         Enumerated		Grouped	
3006 Priority-IndicationEnumerated3007 Reference-NumberUnsigned323008 Request-StatusEnumerated3009 Delivery-OutcomeEnumerated	3004 Payload	OctetString	
3006 Priority-IndicationEnumerated3007 Reference-NumberUnsigned323008 Request-StatusEnumerated3009 Delivery-OutcomeEnumerated		Enumerated	29.368 [27]
3008 Request-StatusEnumerated3009 Delivery-OutcomeEnumerated			
3009 Delivery-Outcome Enumerated			
		Enumerated	
3010 Application-Port-Identifier Unsigned32			
	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 29.368.	Offsigned32	
3100 IP-SM-GW-Number	OctetString	
3101 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 3108 T4-Data	Grouped	
	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	
3123 Monitoring-Event-Report	Grouped	
3124 SCEF-Reference-ID	Unsigned32	
3125 SCEF-ID	DiameterIdentity	
3126 SCEF-Reference-ID-for-Deletion	Unsigned32	
3127 Monitoring-Type	Unsigned32	29.336 [28]
3128 Maximum-Number-of-Reports	Unsigned32	
3129 UE-Reachability-Configuration	Grouped	
3130 Monitoring-Duration	Time	
3131 Maximum-Detection-Time	Unsigned32	
3132 Reachability-Type	Unsigned32	
3133 Maximum-Latency	Unsigned32	
3134 Maximum-Response-Time	Unsigned32	
3135 Location-Information-Configuration	Grouped	
3136 MONTE-Location-Type	Unsigned32	
3137 Accuracy	Unsigned32	
3138 Association-Type	Unsigned32	
3139 Roaming-Information	Unsigned32	
3140 Reachability-Information	Unsigned32	
3141 IMEI-Change	Unsigned32	
3142 Monitoring-Event-Config-Status	Grouped	
3143 Supported-Service-Masks		
	Grouped	
3144 Supported-Monitoring-Event-Mask	Unsigned64	
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	
Note: The AVP codes from 3155 to 3199 are reserved for TS 29.336.		
3200 SM-Delivery-Outcome-T4	Enumerated	
3201 Absent-Subscriber-Diagnostic-T4	Enumerated	20 227 [20]
3202 Trigger-Action	Unsigned32	29.337 [29]
3203 MTC-Error-Diagnostic	Unsigned32	
Note: The AVP codes from 3204 to 3299 are reserved for TS 29.337.		
3300 SC-Address	OctetString	29.338 [30]

	SM-RP-UI	OctetString	
	TFR-Flags	Unsigned32	
	SM-Delivery- Failure-Cause	Grouped	
	SM-Enumerated-Delivery-Failure-Cause	Enumerated	
	SM-Diagnostic-Info	OctetString	
	SM-Delivery-Timer	Unsigned32	
	SM-Delivery-Start-Time	Time	
	SM-RP-MTI	Enumerated	
	SM-RP-SMEA	OctetString	
	SRR-Flags	Unsigned32	
3311	SM-Delivery-Not-Intended	Enumerated	
	MWD-Status	Unsigned32	
3313	MME-Absent-User-Subscriber-Diagnostic-SM	Unsigned32	
	MSC-Absent-User-Subscriber-Diagnostic-SM	Unsigned32	
3315	SGSN-Absent-User-Subscriber-Diagnostic SM	Unsigned32	
3316	SM-Delivery-Outcome	Grouped	
3317	MME-SM-Delivery-Outcome	Grouped	
3318	MSC-SM-Delivery-Outcome	Grouped	
3319	SGSN-SM-Delivery-Outcome	Grouped	
3320	IP-SM-GW-SM-Delivery-Outcome	Grouped	
3321	SM-Delivery-Cause	Enumerated	
	Absent-User-Diagnostic-SM	Unsigned32	
	RDR-Flags	Unsigned32	
3324	SMSMI-Correlation-ID	Unsigned32	
	HSS-ID	UTF8String	
	Originating-SIP-URI	UTF8String	
	Destination-SIP-URI	UTF8String	
	OFR-Flags	Unsigned32	
3329	Maximum-UE-Availability-Time	Time	
	Maximum-Retransmission-Time	Time	
	Requested-Retransmission-Time	Time	
	SMS-GMSC-Address	OctetString	
3333	ISMS-GMSC-Alert-Event	l Unsigned32 l	
	SMS-GMSC-Alert-Event The AVP codes from 3334 to 3399 are reserved for TS 29.338.	Unsigned32	
Note:	The AVP codes from 3334 to 3399 are reserved for TS 29.338.	Unsigned32	
Note: 3400	The AVP codes from 3334 to 3399 are reserved for TS 29.338. reserved	-	
Note: 3400 3401	The AVP codes from 3334 to 3399 are reserved for TS 29.338. reserved Reason-Header	- UTF8String	
Note: 3400 3401 3402	The AVP codes from 3334 to 3399 are reserved for TS 29.338. reserved Reason-Header Instance-Id	- UTF8String UTF8String	
Note: 3400 3401 3402 3403	The AVP codes from 3334 to 3399 are reserved for TS 29.338. reserved Reason-Header Instance-Id Route-Header-Received	- UTF8String UTF8String UTF8String	
Note: 3400 3401 3402 3403 3404	The AVP codes from 3334 to 3399 are reserved for TS 29.338. reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted	UTF8String UTF8String UTF8String UTF8String UTF8String	
Note: 3400 3401 3402 3403 3404 3405	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped	
Note: 3400 3401 3402 3403 3404 3405 3406	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address	
Note: 3400 3401 3402 3403 3404 3405 3406 3407	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated	
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32	
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3409	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32	
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3409 3410	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped	
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3409 3410 3411	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped	
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3410 3411 3412	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped Grouped OctetString	
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3410 3411 3412 3413	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice	- UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped Grouped OctetString OctetString	
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3410 3411 3412 3413 3414	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number	- UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped Grouped OctetString OctetString	32 299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3410 3411 3412 3413 3414 3415	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending	- UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped Grouped OctetString OctetString Enumerated	32.299 [5]
Note: 3400 3401 3402 3403 3406 3407 3408 3410 3411 3412 3413 3414 3415 3416	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause	- UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped Grouped OctetString OctetString OctetString Enumerated Unsigned32	32.299 [5]
Note: 3400 3401 3402 3403 3406 3407 3408 3410 3411 3412 3413 3414 3415 3416 3417	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address	- UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped Grouped OctetString OctetString Enumerated Unsigned32 OctetString	32.299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3410 3411 3412 3413 3414 3415 3416 3417 3418	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped OctetString OctetString OctetString Enumerated Unsigned32 OctetString CotetString	32.299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3411 3412 3413 3414 3415 3416 3417 3418 3419	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped OctetString OctetString OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString	32.299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3410 3411 3415 3416 3417 3418 3419 3420	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging VLR-Number	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped OctetString OctetString OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString	32.299 [5]
Note: 3400 3401 3402 3403 3406 3407 3408 3410 3411 3415 3416 3417 3418 3419 3420 3421	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging VLR-Number CN-Operator-Selection-Entity	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped OctetString OctetString OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 Time OctetString	32.299 [5]
Note: 3400 3401 3402 3403 3406 3407 3408 3410 3411 3415 3416 3417 3418 3419 3420 3421 3422	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging VLR-Number CN-Operator-Selection-Entity ISUP-Cause-Diagnostics	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped OctetString OctetString Unsigned32 OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString OctetString OctetString Time OctetString Enumerated OctetString	32.299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3409 3410 3411 3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging VLR-Number CN-Operator-Selection-Entity ISUP-Cause-Diagnostics ISUP-Cause-Diagnostics ISUP-Cause-Location	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped OctetString OctetString OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString OctetString OctetString OctetString OctetString Unsigned32 OctetString Unsigned32 OctetString	32.299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3409 3410 3411 3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423 3424	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved  Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted  SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging VLR-Number CN-Operator-Selection-Entity ISUP-Cause-Diagnostics ISUP-Cause-Location ISUP-Cause-Value	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped OctetString OctetString OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString OctetString OctetString OctetString Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	32.299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3409 3410 3411 3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423 3424 3425	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging VLR-Number CN-Operator-Selection-Entity ISUP-Cause-Diagnostics ISUP-Cause-Value EPDG-Address	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped OctetString OctetString Unsigned32 Unsigned32 Unsigned30	32.299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3410 3411 3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423 3424 3425 3426	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging VLR-Number CN-Operator-Selection-Entity ISUP-Cause-Diagnostics ISUP-Cause-Value EPDG-Address Announcing-UE-HPLMN-Identifier	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped OctetString OctetString OctetString Enumerated Unsigned32 OctetString CotetString Enumerated Unsigned32 OctetString Unsigned32 OctetString OctetString OctetString Unsigned32 OctetString Unsigned32 OctetString Enumerated OctetString Unsigned32 Unsigned32 Address UTF8String	32.299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3410 3411 3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423 3424 3425 3426 3427	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging VLR-Number CN-Operator-Selection-Entity ISUP-Cause-Diagnostics ISUP-Cause-Value EPDG-Address Announcing-UE-HPLMN-Identifier Announcing-UE-VPLMN-Identifier	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped Grouped OctetString OctetString Unsigned32	32.299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3410 3411 3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423 3424 3425 3426 3427 3428	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging VLR-Number CN-Operator-Selection-Entity ISUP-Cause-Diagnostics ISUP-Cause-Value EPDG-Address Announcing-UE-HPLMN-Identifier Announcing-UE-VPLMN-Identifier Coverage-Status	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped OctetString OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString Enumerated Unsigned32 OctetString OctetString Unsigned32 Enumerated UTF8String UTF8String Enumerated	32.299 [5]
Note: 3400 3401 3402 3403 3404 3405 3406 3407 3408 3410 3411 3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423 3424 3425 3426 3427 3428 3429	The AVP codes from 3334 to 3399 are reserved for TS 29.338.  reserved Reason-Header Instance-Id Route-Header-Received Route-Header-Transmitted SM-Device-Trigger-Information MTC-IWF-Address SM-Device-Trigger-Indicator SM-Sequence-Number SMS-Result VCS-Information Basic-Service-Code Bearer-Capability Teleservice ISUP-Location-Number Forwarding-Pending ISUP-Release-Cause MSC-Address Network-Call-Reference-Number Start-of-Charging VLR-Number CN-Operator-Selection-Entity ISUP-Cause-Diagnostics ISUP-Cause-Value EPDG-Address Announcing-UE-HPLMN-Identifier Announcing-UE-VPLMN-Identifier	UTF8String UTF8String UTF8String UTF8String UTF8String Grouped Address Enumerated Unsigned32 Unsigned32 Grouped Grouped Grouped OctetString OctetString Unsigned32	32.299 [5]

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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 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	
3454 Proximity-Alert-Indication	Enumerated	
3455 Proximity-Alert-Timestamp	Time	
3456 Proximity-Cancellation-Timestamp	Time	
3457 ProSe-Function-PLMN-Identifier	UTF8String	
3458 Application-Specific-Data	OctetString	
3459 Coverage-Info	Grouped	
3460 Location-Info	Grouped	
3461 ProSe-Direct-Communication-Reception-Data-Container	Grouped	
3462 Radio-Frequency	OctetString	
3463 Radio-Parameter-Set-Info	Grouped	
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	29.468 [31]
3510 TMGI-Allocation-Response	Grouped	
3510   TMGI-Allocation-Response   3511   TMGI-Allocation-Result	Unsigned32	
	Grouped	
3512 TMGI-Deallocation-Request		
3513 TMGI-Deallocation-Response	Grouped	
3514 TMGI-Deallocation-Result	Unsigned32	
3515 TMGI-Expiry	Grouped	
3516 TMGI-Number	Unsigned32	
3517 MB2U-Security	Unsigned32	
Note: The AVP codes from 3518 to 3599 are reserved for TS 29.468.	<del>,</del>	
3600 Origin-App-Layer-User-Id	UTF8String	
3601 Target-App-Layer-User-Id	UTF8String	
3602 ProSe-Function-ID	OctetString	
3603 ProSe-Request-Type	Unsigned32	29.343 [32]
3604 PDUID	OctetString	
3605 Application-Data	UTF8String	
3606 Allowed-Suffixes-Number	Unsigned32	
	<u></u>	

3607	Monitor-Target	Grouped	
3608	ProSe-Code-Suffix-Mask	Grouped	
3609	Suffix-Code	OctetString	
	Suffix-Mask	OctetString	
	Banned-User-Target	Grouped	
	Metadata-Indicator	Unsigned32	
	The AVP codes from 3613 to 3699 are reserved for TS 29.343.		
	ProSe-Subscription-Data	Grouped	
	ProSe-Permission	Unsigned32	
	ProSe-Allowed-PLMN	Grouped	
	ProSe-Direct-Allowed	Unsigned32	29.344 [33]
	UPR-Flags	Unsigned32	20.011[00]
	PNR-Flags	Unsigned32	
	ProSe-Initial-Location-Information	Grouped	
	Authorized-Discovery-Range	Unsigned32	
	The AVP codes from 3709 to 3799 are reserved for TS 29.344.	, ,	
	Reserved		
	App-Layer-User-Id	UTF8String	
	Assistance-info	Grouped	
	Assistance-Info-Validity-Timer	Unsigned32	
	Discovery-Type Filter-Id	Unsigned32	
		OctetString	
	MAC-Address Match-Report	UTF8String Grouped	
	Operating-Channel	Unsigned32	
	P2P-Features	Unsigned32	
	ProSe-App-Code	UTF8String	
	ProSe-App-Id	UTF8String	
	ProSe-App-Mask	UTF8String	
	ProSe-Discovery-Filter	Grouped	
	PRR-Flags	Unsigned32	
	ProSe-Validity-Timer	Unsigned32	
	Requesting-EPUID	UTF8String	
	Targeted-EPUID	UTF8String	
	Time-Window	Unsigned32	
	WiFi-P2P-Assistance-Info	Grouped	
	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	29.345 [34]
	Change-Of-Area-Type	Grouped	
	Location-Update-Event-Trigger	Unsigned32	
	Report-Cardinality	Enumerated	
	Minimum-Interval-Time	Unsigned32	
	Periodic-Location-Type	Grouped	
	Location-Report-Interval-Time	Unsigned32	
	Total-Number-Of-Reports	Unsigned32	
	Validity-Time-Announce	Unsigned32	
	Validity-Time-Monitor	Unsigned32	
	Validity-Time-Communication	Unsigned32	
	ProSe-App-Code-Info	Grouped	
3836		OctetString	
	UTC-based-Counter	Unsigned32	
	ProSe-Match-Refresh-Timer	Unsigned32	
	ProSe-Metadata-Index-Mask	OctetString	
	App-Identifier	Grouped	
	OS-ID	OctetString	
	OS-App-ID	UTF8String	
	Requesting-RPAUID	UTF8String	
	Target-RPAUID Target-PDUID	UTF8String OctetString	
	ProSe-Restricted-Code	OctetString	
	ProSe-Restricted-Code-Suffix-Range	OctetString	
	Beginning-Suffix	OctetString	
3040	Degining-ounix	Ocietating	

00.40	Fadina Oution	0-1-10:	
	Ending-Suffix	OctetString	
	Discovery-Entry-ID	Unsigned32	
	Match-Timestamp	Time	
	PMR-Flags	Unsigned32	
	ProSe-Application-Metadata Discovery-Auth-Request	UTF8String Crauped	
	Discovery-Auth-Response	Grouped Grouped	
	Match-Request	Grouped	
		Grouped	
	Match-Report-Info Banned-RPAUID	UTF8String	
	Banned-PDUID	OctetString	
	Code-Receiving-Security-Material	Grouped	
	Code-Sending-Security-Material	Grouped	
	DUSK	OctetString	
	DUIK	OctetString	
	DUCK	OctetString	
	MIC-Check-indicator	Unsigned32	
	Encrypted-Bitmask	OctetString	
	ProSe-App-Code-Suffix-Range	OctetString	
	The AVP codes from 3868 to 3899 are reserved for TS 29.345.	Octetouring	
	Reserved		
	Enhanced-Diagnostics	Grouped	
	Inter-UE-Transfer	Enumerated	
	TWAG-Address	Address	
	Announcement-Information	Grouped	
	Announcement-Information Announcement-Identifier	Unsigned32	
	Announcement-Order	Unsigned32	
	Variable-Part	Grouped	
	Variable-Part-Order	Unsigned32	
	Variable-Part-Type	Unsigned32	
	Variable-Part-Value	UTF8String	
	Time-Indicator	Unsigned32	
	Quota-Indicator	Enumerated	
	Play-Alternative	Enumerated	
	Language	UTF8String	
	Privacy-Indicator	Enumerated	
	Called-Identity	UTF8String	
	Called-Identity-Change	Grouped	
	UWAN-User-Location-Info	Grouped	
	Monitoring-Event-Configuration-Activity	Integer32	
	Monitoring-Event-Report-Data	Grouped	
	Monitoring-Event-Information	Grouped	32.299 [5]
	Monitoring-Event-Functionality	Integer32	
3923	Monitoring-Event-Report-Number	Unsigned32	
	Cellular-Network-Information	OctetString	
	Related-Change-Condition-Information	Grouped	
	Related-Trigger	Grouped	
3927	CPDT-Information	Grouped	
	NIDD-Submission	Grouped	
3929	Serving-Node-Identity	DiameterIdentity	
	CP-CIoT-EPS-Optimisation-Indicator	Enumerated	
	SGi-PtP-Tunnelling-Method	Enumerated	
	UNI-PDU-CP-Only-Flag	Enumerated	
	APN-Rate-Control	Grouped	
	APN-Rate-Control-Downlink	Grouped	
	APN-Rate-Control-Uplink	Grouped	
	Additional-Exception-Reports	Enumerated	
	Rate-Control-Max-Message-Size	Unsigned32	
	Rate-Control-Max-Rate	Unsigned32	
	Rate-Control-Time-Unit	Unsigned32	
	SCS-AS-Address	Grouped	
	SCS-Address	Address	
	SCS-Realm	DiameterIdentity	
	The AVP codes from 3943 to 3999 are reserved for TS 32.299.		
4000	Aggregated-Congestion-Info	Grouped	29.217 [35]

1001	, , , , , , , , , , , , , , , , , , ,		
	Aggregated-RUCI-Report	Grouped	
	Congestion-Level-Definition	Grouped	
	Congestion-Level-Range	Unsigned32	
	Congestion-Level-Set-Id	Unsigned32	
	Congestion-Level-Value	Unsigned32	
	Congestion-Location-Id	Grouped	
4007	Conditional-Restriction	Unsigned32	
4008	eNodeB-Id	OctetString	
	IMSI-List	OctetString	
	RCAF-Id	DiameterIdentity	
	Reporting-Restriction	Unsigned32	
	RUCI-Action	Unsigned32	
	The AVP codes from 4013 to 4099 are reserved for TS 29.217.	Unsignedaz	
	Network-Congestion-Area-Report	Grouped	20 452 [27]
			29.153 [37]
4102	Ns-Request-Type	Unsigned32	
	The AVP codes from 4103 to 4199 are reserved for TS 29.153.	T 0 : :0: :	
	Network-Area-Info-List	OctetString	
	Reference-Id	OctetString	
	Transfer-Request-Type	Unsigned32	
	Time-Window	Grouped	
4205	Transfer-End-Time	Time	29.154 [38]
	Transfer-Start-Time	Time	
	Transfer-Policy	Grouped	
	Transfer-Policy-Id	Unsigned32	
	Number-Of-UEs	Unsigned32	
	The AVP codes from 4210 to 4299 are reserved for TS 29.154.	T Official Today	
	Communication-Failure-Information	Grouped	
		Unsigned32	
	Cause-Type		
	S1AP-Cause	Unsigned32	
	RANAP-Cause	Unsigned32	
	GMM-Cause	Unsigned32	
	SM-Cause	Unsigned32	
	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	29.128 [36]
	Uplink-Rate-Limit	Unsigned32	
	Downlink-Rate-Limit	Unsigned32	
	Extended-PCO	OctetString	
	Connection-Action	Unsigned32	
	Non-IP-Data	OctetString	
	SCEF-Wait-Time	Time	
	CMR-Flags	Unsigned32	
	RRC-Cause-Counter	Grouped	
	Counter-Value	Unsigned32	
	RRC-Counter-Timestamp	Time	
	The AVP codes from 4321 to 4399 are reserved for TS 29.128.		
	MCPTT-ID	UTF8String	
	Data-Identification	Grouped	
4502	Data-Identification-Prefix	Unsigned32	
4503	Data-Identification-Flags	Unsigned64	
	DPR-Flags	Unsigned32	
	DPA-Flags	Unsigned32	
	DUR-Flags	Unsigned32	29.283 [39]
	DUA-Flags	Unsigned32	20.200 [00]
		Unsigned32	
	NDR-Flags		
	NDA-Flags	Unsigned32	
	User-Data-Id	Unsigned32	
	MC-Service-User-Profile-Data	Grouped	
	Sequence-Number	Unsigned32	
Note:	The AVP codes from 4514 to 4599 are reserved for TS 29.283.		

## 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 Code	Result text	Specified in the TS
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 Experim	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 Experim	ental Result Codes from 2022 to 2040 are reserved for the TS 29.061	
		29.109 [7]
Note: The Experim	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 the TS
4100	DIAMETER_USER_DATA_NOT_AVAILABLE		29.329 [4]
4101	DIAMETER_PRIOR_UPDATE_IN_PROGRESS		
Note: The Experi	nental Result Codes from 4102 to 4120 are reserved for the TS 2	9.329.	
4121	DIAMETER_ERROR_OUT_OF_RESOURCES		29.061 [13]
Note: The Experi	nental Result Codes from 4122 to 4140 are reserved for the TS 2	9.061.	
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 Experi	nental Result Codes from 4145 to 4160 are reserved for the TS 2	9.212	
			32.299 [5]
	nental Result Codes from 4161 to 4180 are reserved for the TS 3	2.299.	
	TER_AUTHENTICATION_DATA_UNAVAILABLE		29.272 [21]
	TER_ERROR_CAMEL_SUBSCRIPTION_PRESENT		20.272 [21]
	sult Codes from 4182 to 4200 are reserved for the TS 29.272.	1	
	TER_ERROR_ABSENT_USER		29.173 [25]
	sult Codes from 4202 to 4220 are reserved for the TS 29.173.		
	TER_ERROR_UNREACHABLE_USER		
	TER_ERROR_SUSPENDED_USER		
	TER_ERROR_DETACHED_USER		29.172 [24]
	TER_ERROR_POSITIONING_DENIED		20.172 [24]
	TER_ERROR_POSITIONING_FAILED		
	sult Codes from 4227 to 4240 are reserved for the TS 29.172.		
	TER_ERROR_NO_AVAILABLE_POLICY_COUNTERS		29.219 [26]
	sult Codes from 4242 to 4260 are reserved for the TS 29.219.		
4261 REQU	ESTED_SERVICE_TEMPORARILY_NOT_AUTHORIZED		29.214 [18]

#### 8.1.4 Permanent Failures

Note: The Experimental Result Codes from 4262 to 4280 are reserved for the TS 29.214.

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	
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	
5009	DIAMETER_ERROR_NOT_SUPPORTED_USER_DATA	
5010	unassigned	
5011	DIAMETER_ERROR_FEATURE_UNSUPPORTED	
5012	DIAMETER_ERROR_SERVING_NODE_FEATURE_UNSUPP ORTED	
Note: The Expe	rimental Result Codes from 5013 to 5020 are reserved for the TS	S 29.229.
•		32.299 [5]
Note: The Expe	rimental Result Codes from 5021 to 5040 are reserved for the TS	
5041	DIAMETER_ERROR_USER_NO_WLAN_SUBSCRIPTION	
5042	DIAMETER ERROR W-APN UNUSED BY USER	
5043	DIAMETER ERROR NO ACCESS INDEPENDENT SUBSC	
00.0	RIPTION	29.234 [6]
5044	DIAMETER_ERROR_USER_NO_W-APN_SUBSCRIPTION	
5045	DIAMETER_ERROR_UNSUITABLE_NETWORK	
Note: The Expe	rimental 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	
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	
	rimental Result Codes from 5069 to 5080 are reserved for TS 29	200 TS 20 211
•	TS 29.214.	7.209, 13 29.211
5100	DIAMETER_ERROR_USER_DATA_NOT_RECOGNIZED	
5100	DIAMETER_ERROR_OSER_DATA_NOT_RECOGNIZED  DIAMETER_ERROR_OPERATION_NOT_ALLOWED	
5101	DIAMETER_ERROR_USER_DATA_CANNOT_BE_READ	
5102	DIAMETER_ERROR_USER_DATA_CANNOT_BE_MODIFIED	
5103	DIAMETER_ERROR_USER_DATA_CANNOT_BE_NOTIFIED	
5104	DIAMETER_ERROR_USER_DATA_CANNOT_BE_NOTIFIED  DIAMETER_ERROR_TRANSPARENT_DATA	29.329 [4]
3105	OUT_OF_SYNC	
F106	DIAMETER_ERROR_SUBS_DATA_ABSENT	
5106 5107	DIAMETER_ERROR_SUBS_DATA_ABSENT DIAMETER_ERROR_NO_SUBSCRIPTION_TO_DATA	
5107		
5108	DIAMETER_ERROR_DSAI_NOT_AVAILABLE	2 20 220
пиоте: тпе Ехре	rimental Result Codes from 5109 to 5119 are reserved for the TS	

5120 DIAMETER\_ERROR\_START\_INDICATION

5121 DIAMETER\_ERROR\_STOP\_INDICATION

5122 DIAMETER\_ERROR\_UNKNOWN\_MBMS\_BEARER\_SERVIC E

5123 DIAMETER\_ERROR\_SERVICE\_AREA

Note: The Experimental Result Codes from 5124 to 5139 are reserved for the TS 29.061. DIAMETER\_ERROR\_INITIAL\_PARAMETERS 5140 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 5146 reserved 5147 DIAMETER\_ERROR\_CONFLICTING\_REQUEST 5148 DIAMETER\_ADC\_RULE\_EVENT DIAMETER\_ERROR\_NBIFOM\_NOT\_AUTHORIZED 5149 Note: The Experimental Result Codes from 5150 to 5159 are reserved for the TS 29.212. DIAMETER\_ERROR\_IMPI\_UNKNOWN 5401 29.109 [7 DIAMETER\_ERROR\_NOT\_AUTHORIZED 5402

5403	DIAMETER_ERROR_TRANSACTION_IDENTIFIER_INVALID	
Note: The Exp	erimental 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 Exp	erimental 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 Exp	erimental Result Codes from 5455 to 5469 are reserved for the TS	S 29.273.
	FAZO DIAMETED EDDOD CUDOCOCIONI	

tal Result Codes	from 5455 to 5469 are reserved for the TS 29.273.	
5470	DIAMETER_ERROR_SUBSESSION	
5471	DIAMETER ERROR ONGOING SESSION ESTABLISHME	29.215 [22]
	NT	, ,
Note: The Exp	erimental Result Codes from 5472 to 5489 are reserved for the	TS 29.215.
5490	DIAMETER ERROR UNAUTHORIZED REQUESTING NET	r I
	WORK	29.173 [25]
Note: The Exp	erimental Result Codes from 5491 to 5509 are reserved for the	TS 29.173.
5510	DIAMETER ERROR UNAUTHORIZED REQUESTING EN	
00.0	TY	' '
5511	DIAMETER_ERROR_UNAUTHORIZED_SERVICE	
5512	DIAMETER ERROR REQUESTED RANGE IS NOT	
3312	ALLOWED	
5513	DIAMETER ERROR CONFIGURATION EVENT STORAGE	29.336 [28]
3313	_NOT_SUCCESSFUL	-
5514	DIAMETER_ERROR_CONFIGURATION_EVENT_NON_EXI	9
3314	TANT	3
5515	DIAMETER_ERROR_SCEF_REFERENCE_ID_UNKNOWN	-
	erimental Result Codes from 5516 to 5529 are reserved for the	TC 20 226
	DIAMETER_ERROR_INVALID_SME_ADDRESS	13 29.330.
5530		_
5531	DIAMETER_ERROR_SC_CONGESTION	
5532	DIAMETER_ERROR_SM_PROTOCOL	29.337 [29]
5533	DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE	_ ` '
5534	DIAMETER_ERROR_TRIGGER_RECALL_FAILURE	
5535	DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDIN	
	erimental Result Codes from 5536 to 5549 are reserved for the	TS 29.337.
5550	DIAMETER_ERROR_ABSENT_USER	
5551	DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS	
5552	DIAMETER_ERROR_FACILITY_NOT_SUPPORTED	
5553	DIAMETER_ERROR_ILLEGAL_USER	
5554	DIAMETER_ERROR_ILLEGAL_EQUIPMENT	29.338 [30]
5555	DIAMETER_ERROR_SM_DELIVERY_FAILURE	
5556	DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED	
5557	DIAMETER_ERROR_SERVICE_BARRED	
5558	DIAMETER ERROR MWD_LIST_FULL	
Note: The Exp	erimental Result Codes from 5559 to 5569 are reserved for the	TS 29.338.
5570	DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS	29.219 [26]
Note: The	Experimental Result Codes from 5571 to 5589 are reserved for	r the TS 29.219.
5590	DIAMETER ERROR ORIGIN ALUID UNKNOWN	
5591	DIAMETER_ERROR_TARGET_ALUID_UNKNOWN	
5592	DIAMETER_ERROR_PFID_UNKNOWN	
5593	DIAMETER ERROR APP REGISTER REJECT	
5594	DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOW	티
0001	D	-
5595	DIAMETER ERROR MAP REQUEST REJECT	
5596	DIAMETER_ERROR_REQUESTING_RPAUID_UNKNOWN	29.343 [32]
5597	DIAMETER_ERROR_UNKNOWN_OR_INVALID_TARGET_S	
0001	ET	´
5598	DIAMETER ERROR MISSING APPLICATION DATA	
5599	DIAMETER_ERROR_AUTHORIZATION_REJECT	$\dashv$
5600	DIAMETER_ERROR_DISCOVERY_NOT_PERMITTED	-
5600		_
	DIAMETER_ERROR_TARGET_RPAUID_UNKNOWN	_
5602	DIAMETER_ERROR_INVALID_APPLICATION_DATA	

Note: The Exp	erimental Result Codes from 5603 to 5609 are reserved for the TS	3 29.343.
5610	DIAMETER_ERROR_UNKNOWN_PROSE_SUBSCRIPTION	
5611	DIAMETER_ERROR_PROSE_NOT_ALLOWED	29.344 [33]
5612	DIAMETER_ERROR_UE_LOCATION_UNKNOWN	
Note: The Exp	erimental Result Codes from 5613 to 5629 are reserved for the TS	S 29.344.
5630	DIAMETER_ERROR_NO_ASSOCIATED_DISCOVERY_FILT ER	
5631	DIAMETER_ERROR_ANNOUNCING_UNAUTHORIZED_IN_P LMN	
5632	DIAMETER_ERROR_INVALID_APPLICATION_CODE	
5633	DIAMETER_ERROR_PROXIMITY_UNAUTHORIZED	
5634	DIAMETER_ERROR_PROXIMITY_REJECTED	
5635	DIAMETER_ERROR_NO_PROXIMITY_REQUEST	20 245 [24]
5636	DIAMETER_ERROR_UNAUTHORIZED_SERVICE_IN_THIS_ PLMN	29.345 [34]
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 Exp	erimental Result Codes from 5642 to 5649 are reserved for the TS	S 29.345.
5650	DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV ED	
5651	DIAMETER_ERROR_INVALID_EPS_BEARER	
5652	DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAILA BLE	29.128 [36]
5653	DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E	
Note: The Exp	erimental Result Codes from 5654 to 5669 are reserved for the TS	3 29.128.
5670	DIAMETER_ERROR_UNKNOWN_DATA	
5671	DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED	29.283 [39]
Note: The Exp	erimental Result Codes from 5672 to 5689 are reserved for the TS	S 29.283.

## 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

		1			Change history		
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
2004-06	CN#24	NP-040292			Version 2.0.0 presented for information and approval	2.0.0	6.0.0
2004-09	CN#25	NP-040401			Correction of Charging application reference	6.0.0	6.1.0
2004-09	CN#25	NP-040401			Correction of the Application-Id code	6.0.0	6.1.0
2004-09	CN#25	NP-040401			Removal of User Data Request Type AVP	6.0.0	6.1.0
2004-09	CN#25	NP-040412		1	Re-numbering of 3GPP specific AVP codes.	6.0.0	6.1.0
2004-12	CN#26	NP-040579			Inclusion of missing Cx AVPs	6.1.0	6.2.0
2004-12	CN#26	NP-040580		1	Reservation of command code 310	6.1.0	6.2.0
2004-12	CN#26	NP-040579		1	Addition of Gmb interface	6.1.0	6.2.0
2004-12	CN#26	NP-040600		2	Documenting the Reuse of the 3GPP specific application identifier of Ro for Re on the Charging Interfaces	6.1.0	6.2.0
2004-12	CN#26	NP-040579			Gq interface allocations	6.1.0	6.2.0
2004-12	CN#26	NP-040579			Addition of Gx interface	6.1.0	6.2.0
2005-03	CN#27	NP-050047		1	WLAN Diameter AVP and result codes	6.2.0	6.3.0
		NP-050039			Allocations for Gx interface		
		NP-050039			Allocations for Gmb interface		
		NP-050039			Allocations for MMS, MM10 Interface		
2005-06	CT#28	CP-050088			Gx interface allocation correction	6.3.0	6.4.0
		CP-050196		1	Addition of Maximum-Number-Accesses AVP		
2005-09	CT#29	CP-050440		1	Private identities on the Cx	6.4.0	6.5.0
		CP-050310			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	6.5.0	7.0.0
2005-12	CT#30	CP-050624			Addition of GBA-Type AVP	7.0.0	7.1.0
		CP-050612			Additional Gmb AVP Allocation	1	
		CP-050612			Reservation of AVP codes for 32.299	1	Ì
		CP-050625			Management of Sh subscriptions	1	Ì
2006-03	CT#31	CP-060073			Adding data type of some of WLAN-related AVPs	7.1.0	7.2.0
	00.	CP-060084			User-Data in the response to Sh-Subs-Notif	1	1
		CP-060084		1	New error indications for the Sh-Subs-Notif procedure	1	ŀ
2006-06	CT#32	CP-060302			S-CSCF reselection removal	7.2.0	7.3.0
2006-09	CT#33	CP-060417		3	New AVP Code	7.3.0	7.4.0
2000 00	017700	CP-060417		•	Errors to be sent in response to Sh-Notif	1.0.0	1
		CP-060417			Definition of specific Diameter codes for DSAI	1	ł
2006-12	CT#34	CP-060566		1	Optimization of handling of Wildcarded PSIs	7.4.0	7.5.0
2000 12	017701	CP-060562			Addition of Diameter Error Code for Emergency Purposes	1	7.0.0
		CP-060555			Allocation of new AVP codes for Gmb	1	Ì
		CP-060555			AVP code allocations for Rf and Ro interfaces	1	ŀ
		CP-060566			Allocation of Success Result Code Range for Gi Interface	1	
2007-03	CT#35	CP-070020			C3 requested addition of new AVP code values to 3GPP TS 29.230	7.5.0	7.6.0
		CP-070020	UUQ3		Allocation of new AVP code for DSAI-Tag AVP	1	
		CP-070020			Allocation of Experimental-Result-Code AVP for Gi Interface	1	
2007-06	CT#36	CP-070020			Diameter application ID for the Rel-7 Rx interface	7.6.0	7.7.0
_557 50	υ ι που	CP-070318			Experimental-Result-Codes for Gmb interface	1,.0.0	7.7.0
		CP-070312			Correction of Diameter AVP code allocation	1	
2007-09	CT#37	CP-070512			Application ID for Gx protocol	7.7.0	7.8.0
2007-09	CT#37	CP-070743			AVP code reservation for 32.299 in Rel-7	7.7.0	7.9.0
200 <i>1</i> -12	01#30	OF -0/0/43	0104		Allocation of 3GPP specific AVP codes and Experimental Result	7.0.0	7.9.0
0007 10	OT#22	00.000	0401		Codes for Gx protocol	7.00	0.0.0
2007-12	CT#38	CP-070755		4	AVP assignments to support SIP Digest Authentication	7.9.0	8.0.0
	0	0000000	0103		AVP code reservation for 32.299 in Rel-8		
2008-03	CT#39	CP-080015			Correction of reference to TS 29.140	8.0.0	8.1.0
		CP-080019			AVP code reservation for TS 32.299 in Rel-8	1	
		CP-080019			Wildcarded Public User Identities	1	
		CP-080191	0112	1	Correction on AVP code allocation reservation for TS 32.299 in Rel-7		
		CP-080204	0113	1	Correction on AVP code allocation reservation for TS 32.299		
2008-06	CT#40	CP-080267			A new Diameter Permanent Failure Code for Gx	8.1.0	8.2.0
2008-09	CT#41	CP-080456			Emergency Public User Identity Removal	8.2.0	8.3.0
		CP-080460		4		1	1
2008-09	CT#41	UP-000400	0121		Support of "Loose-Route" indication from HSS		

2008-09	CT#41	CP-080463	0123		Cx Impacts of IMS Restoration Procedures (New AVP Codes Assignment)		
2008-09	CT#41	CP-080463	0124		New AVP Code Assignment for Forking Service Restoration	8.2.0	8.3.0
2008-12	CT#42	CP-080691	0127	2	Diameter Protocol Codes Assignments for S6a/S6d/S13	8.3.0	8.4.0
2008-12	CT#42	CP-080691			Diameter code assignments for 3GPP TS 29.273	8.3.0	8.4.0
2009-03	CT#43	CP-090044		1	Update for ReadyForSM	8.4.0	8.5.0
2009-03	CT#43	CP-090044		1	Handling LCS Subscription Data	8.4.0	8.5.0
2009-03	CT#43	CP-090026			Update for Restoration	8.4.0	8.5.0
2009-03	CT#43	CP-090024			Applds for Gxx and S9	8.4.0	8.5.0
2009-03	CT#43	CP-090033			Appld and command code for Zpn	8.4.0	8.5.0
2009-03	CT#43	CP-090024		1	AVP codes for S9 protocol	8.4.0	8.5.0
2009-03	CT#43	CP-090024			Diameter AVP Code allocation	8.4.0	8.5.0
2009-03	CT#43	CP-090024		1	Location of Permanent Failure result code range for the S9 application	8.4.0	8.5.0
2009-03	CT#43	CP-090024			AVPs for TS 29.273	8.4.0	8.5.0
2009-03	CT#43	CP-090024			Error code allocation for authentication failure	8.4.0	8.5.0
2009-06	CT#44	CP-090299		4	Update of the AVP Codes	8.5.0	8.6.0
		CP-090299			AVP code reservation for TS 32.299		
		CP-090299			Diameter Command Codes for S6a/S6d/S13/S13'		ļ
		00	0146		Removal of Requesting Node Type from AIR	_	ļ
2000 00	OT# 45	CP-090299	0147	-	S6b Application ID	0.00	070
2009-09	CT#45	CP-090530			Allocation of Experimental-Result-Codes for S9 protocol	8.6.0	8.7.0
		CP-090530			AVP code allocation for TS 29.212	_	
		CP-090531		-	Update of the AVP type for the User-Id	-	
2000 00	OT:: 1-	CP-090531			Trace Depth per session	0.7.	000
2009-09	CT#45	CP-090557		4	AVP code range for charging	8.7.0	9.0.0
2009-12	CT#46	CP-090800		1	ICS-Flag From GMLC-Address to GMLC-Number	9.0.0	9.1.0
		CP-091032	0156		Session-Priority AVP	$\dashv$	
			0163	2	Introduction of SLh application related AVPs and Experimental		
			0103	2	Result codes		
			0166		Missing AVP error codes	-	
		CP-090797		1	Introduction of SLg application related AVPs and Application		
		0. 000.0.	0.07		Identifier		
2010-03	CT#47	CP-100031	0158	1	Wildcarded Public Identity	9.1.0	9.2.0
		CP-100034			Correction on AVP code allocation reservation for TS 32.299 in		
					Rel-9		
		CP-100046	0169	1	AVP code allocation for 29.172		
		CP-100036	0172		GPL_U support in TS 29.109		
		CP-100046			Error codes in 29.172 for SLg		
		CP-100048	0174	1	AVPs in 29.272 for TADS support		
		CP-100040	0175		Error codes in 29.272 for Unknown MME		
		CP-100236		4	EPS Subcsriber State and Location Information Request	4	
		CP-100033			One time notification AVP allocation		
		CP-100046			Addition of the LCS-QoS-Class attribute value		
2040.00	CT#40	CP-100175			Introduction of the LCS-Capabilities-Sets AVP in SLh interface	0.0.0	0 0 0
2010-06	CT#48	CP-100263		1	AVP Codes for PCC	9.2.0	9.3.0
		CP-100287	0183		EPS state and location retrieval	-	
		CP-100287			SGmb Application ID  New APVs in S6a protocol	$\exists$	
2010-09	CT#49	CP-100277			Addition of Diameter codes and identifiers for the SLg and SLh	9.3.0	9.4.0
_5 10 03	<b>□</b> 1 π + 3	01 - 100403	0101	'	interfaces	5.5.0	5.7.0
		CP-100464	0196		AVP Codes Allocation for PCC		
2010-09	CT#49	CP-100465		1	SIPTO Permission Indicator	9.4.0	10.0.
	1	CP-100466			Location data including only serving node address		
		CP-100466			AVP for Update-Eff feature		
2010-12	CT#50	CP-100699	0205		Enhanced SRVCC Subscriber Data	10.0.0	10.1.
		CP-100687	0201		Allocate codes for AVPs on eMPS		
		CP-100683			Allocate codes for AVPs on LIPA	_	
		CP-100688			Periodic TAU/RAU timer in HSS subscription	_	
		CP-100846		1	S6a Error Diagnostic		
2011-03	CT#51	CP-110051			PDP-Address correction	10.1.0	10.2.
		CP-110054	0215		Essential correction on the value type of the ELP Application		
		OD 440007	0007	0	AVPs	4	
		CP-110087			Minimization of Drive Tests (MDT)	-	
	CT#52	CP-110088			Relay Node Indicator AVPs	10.0.0	10.0
0014.00		CP-110349 CP-110347			Handling of RTR for Emergency Registration	10.2.0	10.3.
2011-06	C1#32	UP-11034/		1	Add AVPs from QSPEC cleanup	$\dashv$	
2011-06	C1#32			1	MIPv4 security parameters on the STa and S6b interfaces	_	
2011-06	C1#32	CP-110359			MDT user consent	1	
2011-06	C1#32	CP-110359 CP-110380	0216		MDT user consent		
2011-06	C1#32	CP-110359 CP-110380 CP-110370	0216 0223		AVP Code Allocation for Pre-paging		
2011-06	CT#52	CP-110359 CP-110380	0216 0223 0227	1		10.3.0	10.4.

	1	CP-110554	0244	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		
		CP-110722	0257	2	Priviledged sender		
2011-09	CT#53	CP-110584		1	Add vSRVCC updates to the Diameter AVP code table	10.4.0	11.0.0
		CP-110579			AVP code alignment with 32.299		
0044.40	OT#54	CP-110555		4	AVP code reservation for 29.212	44.0.0	44.4.0
2011-12	CT#54	CP-110812 CP-110812		1	SWx Restoration AVPs Sy and Sd Application IDs	11.0.0	11.1.0
		CP-110612			New AVP codes for MBMS IP unicast encapsulation		
		CP-110775			New AVP codes for MBMS IP multicast encapsulation	-	
		CP-110786		1	MME-Realm AVP code allocation		
		CP-110811			Equivalent PLMN CSG Subscription Request		
		CP-110781	0281	1	Restoration of Wildcarded-IMPU AVP		
2012-03	CT#55	CP-120025		1	Codes Allocation for AVPs on Initial Attach	11.1.0	11.2.0
		CP-120038	0288		New AVP codes for Absolute Time of MBMS Data Transfer over		
		00 40000			SGmb		
040.00	OT#50	CP-120038		1	Allocating Diameter AVP codes for TS 29.219 and TS 29.212	44.0.0	44.0.0
012-06	CT#56	CP-120240 CP-120238			Codes Allocation for AVPs on NPLI Adding new Diameter AVPs to Diameter table to support Trusted	11.2.0	11.3.0
		CP-120236	0294	'	WLAN Access feature		
		CP-120225	0296	1	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	0304	-	Duplicated AVP names		
012-09	CT#57	CP-120481			PS additional number allocation	11.3.0	11.4.0
		CP-120473			SMS in MME/SGSN	1	
		CP-120461			AAA Failure Recovery AVP codes	1	
		CP-120474			Transport Access Type AVP for BBAI		
		CP-120480 CP-120472			Local Time Zone Allocating Application Identifier and command code for Tsp		
		CP-120472	0306	-	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		
012-12	CT#58	CP-120731			T4 device triggering via IMS	11.4.0	11.5.0
		CP-120731			Codes and Identifier Allocation for T4 Specification		
		CP-120731 CP-120731			AVP Code Allocation for 29.336  Diameter AVP code value allocation in TS 29.368		
		CP-120731			Application Identifier, Command Codes and AVP codes for SGd,		
		C1 -120732	0313	_	S6c		
		CP-120716	0324	1	AVP name modification in TS 32.299		
		CP-120742			UE Time Zone AVP		
		CP-120741		1	Use of Flag instead of Enumerated AVPs		
		CP-120741	332	-	Use of Flag instead of Enumerated AVPs		
		CP-120743		-	PSI direct routing with restoration procedures		
	0	CP-120743		-	EPS LocationInformation Support		
013-03	CT#59	CP-130026			Diameter error code for TS 29.219	11.5.0	11.6.0
012.02	CT#50	CP-130026			MDT parameters	11.00	12.0.0
013-03	CT#59	CP-130156		1	New AVPs for Lgd interface Validity Time of Short Message	11.6.0	12.0.0
013-06	CT#60	CP-130030 CP-130288		1	Add new DER-S6b-flag AVP	12.0.0	12.1.0
J 13-00	01#00	CP-130288			Failure Result Codes Allocation for TS 29.219	12.0.0	12.1.0
		CP-130292		-	Diameter AVP codes for new TS 32.299 AVPs	1	
		CP-130279		1	Definition of SS Status for Call Barring	1	
		CP-130380			New SGs-MME-Identity AVP		
		CP-130291			New AVPs for deferred MT-LR and periodic MO-LR TTTP		
					procedures over Lgd interface		
		CP-130297		1	Application Port Identifier	1	
		CP-130374			MTRR on Sh	1	
		CP-130295	0344	-	Restoration Priority during SGW and PGW restoration		
		CD 120270	0240	1	procedures SIPTO parmission for Local Notwork enhancements	1	
013-09	CT#61	CP-130378 CP-130454			SIPTO permission for Local Network enhancements  New MBMS flag for eMBMS restoration	12.1.0	12.2.0
.013 <del>-</del> 09	01#01	CP-130454 CP-130461			AVP code reservation for TS 32.299 Rel-12	12.1.0	12.2.0
		CP-130460			Allocation of Diameter codes and identifiers for 29.212 and	1	
		5. 100400	5550		29.215		
013-09	1	1		-	Vendor-specific command code for Trigger-Establishment-	12.2.0	12.2.1
					Request/Answer corrected		
2013-12	CT#62	CP-130624	0369	-	New AVP for optimized LCS procedure for combined	12.2.1	12.3.0
	1	1	ı	İ	MME/SGSN .	1	
		CP-130631			Adding E-SMLC provided Cell info and Cell Portion	_	

		CP-130800	0371	ļ	New AVPs for SMS for IMS UE without MSISDN in TS 29.338	_	
		CP-130600			Allocation of Diameter codes for 32.299	4	
		CP-130605			Allocation of Diameter codes for 29.212		1
2044.00	OT#00	CP-130639 CP-140180			SGSN CAMEL Subscription Indication	40.00	40.4
2014-03 CT#63	CP-140180			Protocol enhancements for the support of device replace procedure	12.3.0	12.4. I	
		CP-140033			New AVP for the support of combined MME/SGSN Definition of WLAN-related AVPs	1	ŀ
2014-06	CT#64	CP-140211			Protocol enhancements to indicate support of device recall and	12.4.0	12.5
	01,1101	0	0000	l	replace by SMS-SC	12.1.0	
		CP-140251	0402	1	AVP allocation for Error handling, MTC error diagnostic	ĺ	
		CP-140257			SS-Status AVP Definition	1	
		CP-140252			Definition of AVPs for Network Location in TWLAN	]	
		CP-140236			TWAN-BSSID AVP re-naming	ļ	
		CP-140247			New AVPs for Trusted WLAN access	<u> </u>	
2044.00	OT#05	CP-140231			Adding Codes for 29.214	40.5.0	40.0
2014-09	CT#65	CP-140515			T-GRUU restoration	12.5.0	12.6.
	ŀ	CP-140517 CP-140505			MB2-C codes  New AVPs for Trusted WLAN access	1	
		CP-140505			P-CSCF Restoration indication	1	
		CP-140516			Closing TS 29.234 and reused AVP in TS 29.273	1	
		CP-140513			Identification of the HSS	1	
					Editorial: WLAN-offloadability AVP codes added as in CR C4-141648.		
2014-12	CT#66	CP-140785	0409	1	New AVP for MBMS restoration	12.6.0	12.7.
			0430		New Diagnostic-Info AVP for MBMS restoration	]	
		1	0410	1	WLCP key for WLCP signalling protection	]	]
		1	0411		Reset-ID	<u> </u>	[
		1	0416		Code definitions for 32.299	1	[
			0428		Removal of I-WLAN AVPs	ļ	
			0429		Reference correction	<u> </u>	
			0433		Code allocation for 29.212	<u> </u>	
			0418 0422		MDT PLMN List Codes Allocation for PC2 Protocol	1	
			0422		Codes Allocation for PC4 Protoco	1	
			0423		Allocation of values for Application ID, Command codes, AVP	┧	
			0431	3	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	ì
	Ì	ŀ	0426		OFR-Flags AVP code	İ	
			0427	1	P-CSCF Restoration mechanism new error	ĺ	
2015-03	CT#67	CP-150015			Renaming of Location-Type AVP	12.7.0	12.8.
			0437		Location reporting in emergency 1xSRVCC	ļ	
			0435		AVP codes for GCSE MB2-C	<u> </u>	
			0442		New AVPs and range of transient failure result codes in TS 29.214		
			0438		Allocation of code for Authorized-Discovery-Range AVP (TS 29.344)		
		1	0440		Location Update Trigger	4	
			0441		AVP codes allocation for Validity related AVPs for TS 29.345	4	
2015.00	CT#07	CD 450000	0443		Allocation of codes for the Integrity Checks. Aspect AVPs	40.0.0	10.0
2015-03 2015-06	CT#67 CT#68	CP-150039 CP-150257			Diameter Application Identifier for Np protocol  AVP code allocation for Match Refresh Timer AVP in TS 29.345	12.8.0	
2013-00	01#00	CP-150257			Wrong CR implementation of CR 0416r1	13.0.0	13.1.
		CP-150247			AVP code allocation for 32.299	1	
		CP-150243			AVP codes for Access Restriction Data per PLMN	1	
		CP-150372		-	IP-SM-GW-Realm	1	İ
2015-09	CT#69	CP-150454	0462		Subscription data for extended buffering at the SGW	13.1.0	13.2.
		CP-150442			Overlapping transaction over S6b	]	
		CP-150453	0464	2	Addition of IMSI Group Id AVP definition	]	[
		CP-150449			Addition of CP parameter AVP definition		[
		CP-150431			AVP codes for TS 29.212	1	!
	0===	CP-150456			AVP definition for S6t	1.5 -	
2015-12	CT#70	CP-150761			Addition of MBMS-Cell-List AVP	13.2.0	13.3.
		CP-150778			S6t Application ID and Command Codes	-	}
		CP-150778			Bitmask to inform the SCEF of the Monitoring capabilities	1	
	1	CP-150778 CP-150778			AVP codes for MONTE T6a/b interface  Correction to SCEF-Reference-ID and SCEF-Reference-ID-For-	1	}
		01-130/76	0431		Deletion data types		
		CP-150778	0494	2	Definition of AVP for deletion of all Monitoring events assigned to	1	
		1	1	1	a subscriber (UE)	1	
					la subscriber (OL)		
		CP-150778 CP-150778			Definition of AVP SCEF-ID		

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		CP-150770			Emergency PDN connection over untrusted WLAN access		
		CP-150776	0476	-	EPC-MT-LR and PS-MT-LR procedure for UEs transiently not		
		00 /			reachable due to power saving		
		CP-150776		_	Mobile Terminating SMS handling for extended Idle mode DRX		
		CP-150776	0498	1	Mobile Terminating SMS handling for extended Idle mode DRX – Additional Option		
		CP-150777	0477	2	Commands and codes for Np protocol		
		CP-150777			Definition of ProSe-Metadata-Index-Mask		
		CP-150772			Addition of AVPs and result-codes		
		CP-150772		_	Addition of AVP used in match report procedure for eProSe-Ext-		
		01-130772	0300	-	CT		
		CP-150754	0481	1	Allowed WAF and/or WWSF Identities		
		CP-150773		_	Add the default access type to 3GPP specific AVP		
		CP-150781			AVP code allocation for "UE Usage Type"		
		CP-150755			Metadata in Match-Report		
		CP-150755		_	New Group AVP for ProSe direct discovery procedures		
		CP-150771			Definition of AVP for AESE-CT		
		CP-150771			Command codes and AVP range for TS 29.154 and TS 29.153		
		CP-150776	0495	1	AVP codes for Indoor Positioning support in SLg/Lgd		
2016-03	CT#71	CP-160041	0503	-	Application ID for St	13.3.0	13.4.0
		CP-160041	0506	1	Correction on TS numbers		
		CP-160041			AVPs for the Rx Diameter application		
		CP-160041		_	AVP code reservation for 32.299		
		CP-160041			Codes for 29.212		
		CP-160029			New AVP assignment for MONTE		
		CP-160029	0509	-	Change of type of Monitoring-Duration AVP to represent an		
					absolute time		
		CP-160035			Remove the default access AVP		
		CP-160035			Specific AVP codes for NBIFOM		
		CP-160030	0511	-	Alert procedure from MME/SGSN to SMS-GMSC for MT SMS to		
		CP-160037	0512		UE using eDRX ePDG retrieval of WLAN Location Information		
		CP-160037			Definition of AVP Authorization of NIDD		
		CP-160033		_	New PDN-Type for Cellular IoT		
		CP-160036			Monitoring update and Reporting of update result		
		CP-160036			Allocation of new Diameter Application ID and commands code		
			10519	1.3			
		C1 -100030	0519	3			
2016-06	CT#72				for PC2 protocol	13.4.0	13.5.0
2016-06 2016-06	CT#72 CT#72	CP-160225 CP-160225	0544	2	for PC2 protocol SCEF Realm	13.4.0 13.4.0	
2016-06		CP-160225	0544 0521	2	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's	13.4.0 13.4.0 13.4.0	13.5.0
2016-06 2016-06 2016-06	CT#72 CT#72 CT#72	CP-160225 CP-160225 CP-160228 CP-160228	0544 0521 0522 0530	2 1 1 -	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration	13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160225 CP-160228 CP-160228 CP-160228	0544 0521 0522 0530 0538	2 1 1 -	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error	13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160225 CP-160228 CP-160228 CP-160228 CP-160228	0544 0521 0522 0530 0538 0551	2 1 1 - 1 2	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228	0544 0521 0522 0530 0538 0551 0554	2 1 1 - 1 2 2	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227	0544 0521 0522 0530 0538 0551 0554 0523	2 1 1 - 1 2 2	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228	0544 0521 0522 0530 0538 0551 0554 0523	2 1 1 - 1 2 2	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227	0544 0521 0522 0530 0538 0551 0554 0523	2 1 1 - 1 2 2 1 3	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227	0544 0521 0522 0530 0538 0551 0554 0523 0524	2 1 1 - 1 2 2 1 3	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236	0544 0521 0522 0530 0538 0551 0554 0523 0524	2 1 1 - 1 2 2 1 3	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160236	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556	2 1 1 - 1 2 2 1 3 1 -	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160236 CP-160236	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556	2 1 1 - 1 2 2 1 3 1 - 1	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.212	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160236 CP-160236 CP-160236	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556 0564	2 1 1 - 1 2 2 1 3 1 - 1 - 1 2 2 1 3	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.212 AVP Codes for 29.343	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160236 CP-160236	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556 0564	2 1 1 - 1 2 2 1 3 1 - 1 - 1 2 2 1 3	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.212 AVP Codes for 29.343 Assignment of application ID and command code for PC2	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160236 CP-160232 CP-160232	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0526 0564 0527	2 1 1 - 1 2 2 1 3 1 - 1 - 1 - 2 1	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.212 AVP Codes for 29.343 Assignment of application ID and command code for PC2 reference point	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160236 CP-160236 CP-160236	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0526 0564 0527	2 1 1 - 1 2 2 1 3 1 - 1 - 1 - 2 1	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.343 Assignment of application ID and command code for PC2 reference point Addition of new AVPs for ProSe direct discovery security and	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160232 CP-160232 CP-160232 CP-160232	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556 0564 0527 0529	2 1 1 1 2 2 1 3 1 1 - 1 1 - 1 1 2 1 1 1 1 1 1 1 1 1 1 1	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.343 Assignment of application ID and command code for PC2 reference point Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160232 CP-160232 CP-160232 CP-160232	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556 0564 0527 0529	2 1 1 1 2 2 1 3 1 - 1 - 1 - 1 2 2 1 1 - 1 1 - 1 1 - 1 1 - 1 1	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.343 Assignment of application ID and command code for PC2 reference point Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160232 CP-160232 CP-160232 CP-160232	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556 0564 0527 0529 0532	2 1 1 1 2 2 1 3 1 - 1 - 1 - 1 - 1 - 1 1 - - 1 1 -	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.343 Assignment of application ID and command code for PC2 reference point Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension Reserved Experimental Result Codes for TS 29.343	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#72	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160232 CP-160232 CP-160232 CP-160232 CP-160232 CP-160232 CP-160233	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556 0564 0527 0529 0532	2 1 1 1 2 2 1 3 1 - 1 - 1 - 1 - 1 - 1 - 1 1 - - - -	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.343 Assignment of application ID and command code for PC2 reference point Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension Reserved Experimental Result Codes for TS 29.343 Renaming of Validity-Time AVP	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06	CT#72 CT#73	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160232 CP-160232 CP-160232 CP-160232 CP-160233 CP-160233 CP-160233 CP-160233 CP-160233 CP-160233 CP-160233 CP-160233	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556 0564 0527 0529 0532 0539 0536 0561 0552 0569	2 1 1 1 2 2 1 3 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.343 Assignment of application ID and command code for PC2 reference point Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension Reserved Experimental Result Codes for TS 29.343 Renaming of Validity-Time AVP New AVPs allocated for 29.153 and 29.154	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
2016-06 2016-09 2016-09	CT#72 CT#73 CT#73 CT#73	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160236 CP-160232 CP-160232 CP-160232 CP-160232 CP-160232 CP-160232 CP-160233 CP-160233 CP-160233 CP-160233 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-1602419	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556 0564 0527 0529 0532 0532 0532 0532	2 1 1 1 2 2 2 1 1 3 1 	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.212 AVP Codes for 29.343 Assignment of application ID and command code for PC2 reference point Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension Reserved Experimental Result Codes for TS 29.343 Renaming of Validity-Time AVP New AVPs allocated for 29.153 and 29.154 3GPP specific AVP for NBIFOM Missing AVP codes and Experimental-Result codes for T6a AVP codes for 32.299	13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0 13.4.0	13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0 13.5.0
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2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-09 2016-09 2016-09 2016-09	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#73 CT#73 CT#73 CT#73 CT#73	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160236 CP-160236 CP-160236 CP-160232 CP-160232 CP-160232 CP-160232 CP-160232 CP-160233 CP-160233 CP-160233 CP-160231	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556 0564 0527 0529 0532 0532 0539 0536 0561 0565 0561 0569 0571	2 1 1 1 2 2 1 3 3 1 	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.212 AVP Codes for 29.343 Assignment of application ID and command code for PC2 reference point Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension Reserved Experimental Result Codes for TS 29.343 Renaming of Validity-Time AVP New AVPs allocated for 29.153 and 29.154 3GPP specific AVP for NBIFOM Missing AVP codes and Experimental-Result codes for T6a AVP code for 29.214 AVP code for 29.214 AVP code for 29.214	13.4.0 13.4.0	13.5.0 13.5.0
2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-06 2016-09 2016-09 2016-09	CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#72 CT#73 CT#73 CT#73 CT#73	CP-160225 CP-160228 CP-160228 CP-160228 CP-160228 CP-160227 CP-160227 CP-160227 CP-160236 CP-160236 CP-160232 CP-160232 CP-160232 CP-160232 CP-160232 CP-160232 CP-160233 CP-160233 CP-160233 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160231 CP-160419	0544 0521 0522 0530 0538 0551 0554 0523 0524 0525 0542 0556 0564 0527 0529 0532 0532 0539 0536 0561 0565 0561 0569 0571	2 1 1 1 2 2 1 3 3 1 	for PC2 protocol SCEF Realm Cleanup up on MONTE AVP's NIDD authorisation update IANA Command Code Registration CloT new commands and Diameter error Serving PLMN Rate Control New AVP for APN Rate Control IANA assigned application Id and command code values Allocation of AVP codes and Experimental Result codes for Diameter Data Management application Command Codes for 29.212 AVP code range 3900-3999 New AVPs in TS 29.214 AVP codes for 29.212 AVP Codes for 29.343 Assignment of application ID and command code for PC2 reference point Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension Reserved Experimental Result Codes for TS 29.343 Renaming of Validity-Time AVP New AVPs allocated for 29.153 and 29.154 3GPP specific AVP for NBIFOM Missing AVP codes and Experimental-Result codes for T6a AVP code for 29.214 AVP code for 29.214 AVP code for 29.212 Allocate of AVP Handling of Exception Reports in the Core	13.4.0 13.4.0	13.5.0 13.5.0
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