## ETSI TS 129 230 V13.8.0 (2017-03)



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

> Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 13.8.0 Release 13)



# Reference RTS/TSGC-0429230vd80 Keywords GSM,LTE,UMTS

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#### Foreword

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

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## 1 Scope

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

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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

[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		ecified 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	swer MAR/MAA 29.229		.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	220 [4]		
308	Subscribe-Notifications-Request/-Answer	SNR/SNA	29.329 [4]			
309	Push-Notification-Request/-Answer	PNR/PNA				
310	Boostrapping-Info-Request/Answer	BIR/BIA	29	.109 [7]		
	311 Message-Process-	Request/Answer		MPR/MP	Α	29.140 [16]
	312 GBAPush-Info-Rec	uest/Answer		GPR/GP	1	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	
8388636	Spending-Status-Notification- Request/Answer	SNR/SNA	29.219 [26]
8388637	TDF-Session-Request/Answer	TSR/TSA	
8388731	TSSF-Notification-Request/Answer	TNR/TNA	29.212 [19]
8388638	Update-VCSG-Location-Request/Answer	UVR/UVA	
8388642	Cancel-VCSG-Location-Request/Answer	CVR/CVA	29.272 [21]
8388639	Device-Action-Request/Answer	DAR/DAA	
8388640	Device-Notification-Request/Answer	DNR/DNA	29.368 [27]
8388641	Subscriber-Information-Request/Answer	SIR/SIA	29.336 [28]
8388718	Configuration-Information- 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	29.344 [33]
8388666	ProSe-Notify-Request/Answer	PNR/PNA	
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	
8388732	Connection-Management- Request/Answer	CMR/CMA	
8388733	MO-Data-Request/Answer	ODR/ODA	29.128 [36]
8388734	MT-Data-Request/Answer	TDR/TDA	

#### 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		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	
Attribu	The AVP codes from 1 to 255 are reserved for backwards comparates (See TS 29.061 [13] and TS 29.234 [6]) The AVP codes from 256 to 299 are reserved for future use.	atibility with 3GPP RADIUS V	endor Specific
	Authentication-Method	Enumerated	
	Authentication-Information-SIM	OctetString	=
	Authorization -Information-SIM	OctetString	
	WLAN-User-Data	Grouped	
	Charging-Data	Grouped	
	WLAN-Access	Enumerated	
306	WLAN- 3GPP-IP-Access	Enumerated	
	APN-Authorized	Grouped	
	APN-Id		
	APN-Barring-Type	Enumerated	29.234 [6]
	WLAN-Direct-IP-Access	Enumerated	20.201[0]
	Session-Request-Type	Enumerated	4
	Routing-Policy	IPFilterRule	4
	Max-Requested-Bandwidth	OctetString	4
	Charging-Characteristics	Integer	4
	Charging-Nodes	Grouped	4
	Primary-OCS-Charging-Function-Name Secondary-OCS-Charging-Function-Name	DiameterIdentity DiameterIdentity	-
	3GPP-AAA-Server-Name	Diameteridentity	_
	Maximum-Number-Accesses	Unsigned32	-
	1: The AVP codes from 320 to 399 are reserved for TS 29.234	Offsigned32	
	2: The 3GPP-AAA-Server-Name definition is moved to TS 29.273	starting from Rel-12	
	GBA-UserSecSettings	OctetString	
401	Transaction-Identifier	OctetString	
	NAF-Hostname	OctetString	
403	GAA-Service-Identifier	OctetString Time	-
404	Key-ExpiryTime ME-Key-Material	OctetString	-
406	UICC-Key-Material	OctetString	1
407	GBA_U-Awareness-Indicator	Enumerated	
408	BootstrapInfoCreationTime	Time	
	GUSS-Timestamp	Time	20 400 [7]
	GBA-Type UE-Id	Enumerated OctetString	29.109 [7]
	UE-Id-Type	Enumerated	-
	UICC-App-Label	OctetString	
	UICC-ME	Enumerated	
415	Requested-Key-Lifetime	Time	
	Private-Identity-Request GBA-Push-Info	Enumerated OctetString	=
418	NAF-SA-Identifier	OctetString	†
419	Security-Feature-Request	OctetString	
	Security-Feature-Response	OctetString	
	The AVP codes from 421 to 499 are reserved for TS 29.109		1
	Abort-Cause	Enumerated	4
	Access-Network-Charging-Address	Address	4
502	Access-Network-Charging-Identifier	Grouped	4
	Access-Network-Charging-Identifier-Value	OctetString	4
	AF-Application-Identifier	OctetString	4
	AF-Charging-Identifier Authorization-Token	OctetString OctetString	-
	Flow-Description	IPFilterRule	29.209 [8],
	Flow-Grouping	Grouped	29.211 [17] ,
	Flow-Number	Unsigned32	29.214 [18]
	Flows	Grouped	=
	Flow-Status	Enumerated	1
	Flow-Usage	Enumerated	1
		Enumerated	1
	ISDECITIC-ACTION	Liluineialeu	
513	Specific-Action  Max-Requested-Bandwidth	Unsigned32	+

616 Max-Requested-Bandwidth-UL  1517 Media-Component-Number  518 Media-Component-Number  519 Media-Sub-Component-Number  519 Media-Sub-Component-Number  520 Media-Type  521 RR-Bandwidth  522 RR-Bandwidth  522 RR-Bandwidth  523 SIP-Forking-Indication  524 Codec-Data  525 Service-URN Co-Info  526 Maximig-Info-Info  527 Service-Info-Status  527 Service-Info-Status  528 AF-Signaling-Protocol  529 AF-Signaling-Protocol  530 Sponsorad-Connectivity-Data  531 Sponsorad-Connectivity-Data  532 Application-Service-Provider-Identity  532 Application-Service-Provider-Identity  533 Rx-Requested-Bandwidth-UL  534 Min-Requested-Bandwidth-UL  535 Min-Requested-Bandwidth-UL  536 Min-Requested-Bandwidth-UL  537 Il-Donan-Ind  538 CK-Identifier  539 Sharing-Rey-UL  540 Sharing-Rey-U  541 Reg-Info-Rey-U  542 Regression-Info  543 Min-Requested-Bandwidth-UL  544 Regression-Info  545 Min-Requested-Bandwidth-UL  546 Sharing-Rey-U  547 Info-Danan-Ind  548 CC-Identifier  549 Sharing-Rey-U  540 Sharing-Rey-U  541 Regression-Info  542 Sponsoring-Acilon  543 Min-Requested-Bandwidth-UL  544 Regression-Info  545 Min-Desire-Bandwidth-UL  546 Min-Desire-Bandwidth-UL  547 Min-Desire-Bandwidth-UL  548 Min-Desire-Bandwidth-UL  549 Sharing-Rey-U  540 Sharing-Rey-U  541 Regression-Bandwidth-UL  543 Min-Requested-Bandwidth-UL  544 Max-Supported-Bandwidth-UL  545 Min-Desire-Bandwidth-UL  546 Min-Desire-Bandwidth-UL  547 Min-Desire-Bandwidth-UL  548 Min-Desire-Bandwidth-UL  549 Service-Authorization-Info  540 Signal-Authorization-Info  541 Signal-Authorization-Info  542 Signal-Bandwidth-UL  543 Min-Requested-Bandwidth-UL  544 Max-Supported-Bandwidth-UL  545 Min-Desire-Bandwidth-UL  546 Min-Desire-Bandwidth-UL  547 Min-Desire-Bandwidth-UL  548 Min-Desire-Bandwidth-UL  549 Service-Authorization-Info  540 Signal-Authorization-Info  541 Signal-Authorization-Info  542 Signal-Authorization-Info  543 Signal-Authorization-Info  544 Min-Desire-Bandwidth-UL  545 Min-Desire-Bandwidth-UL  546 Min-Desire-Bandwidth-UL  547 Min-Desire-Bandwidth-UL  548 Min-Desire-Band		les a la company		
S19   Media Sub-Component-Number				
Media-Sub-Component AVP				
Section   Sect				
S21 RR-Bandwidth	519	Media-Sub-Component AVP		
S22 RS-Bandwidth	520	Media-Type	Enumerated	
S22   SIP-Forking-Indication	521	RR-Bandwidth	Unsigned32	
S22   SIP-Forking-Indication	522	RS-Bandwidth	Unsigned32	
Section				
Service-URN   OctetString   See Acceptable Service-Info   Grouped				
Second   Grouped   Group				
Service-Ino-Status				
Beautiful				
Reserved				
Say   Sponsored-Connectivity-Data   Grouped				
Sa2   Application-Service-Provider-Identity   CatelString	530	Sponsored-Connectivity-Data		
Sa34 Min-Requested-Bandwidth-DL			OctetString	
Sa34 Min-Requested-Bandwidth-DL	532	Application-Service-Provider-Identity	OctetString	
Min-Requested-Bandwidth-DL				
Sa5				
Sade   Required Access-Info   Enumerated				
19-Domain-Id   CotetString			<u> </u>	
Sas   CCS-Identifier				
Say   Sharing-Key-DL				
Seta   Sharing-Key-UL   Unsigned32				
541         Retry-Interval         Unsigned32           542         Sponsoring-Action         Enumerated           543         Max-Supported-Bandwidth-DL         Unsigned32           545         Min-Desired-Bandwidth-DL         Unsigned32           546         Min-Desired-Bandwidth-DL         Unsigned32           547         Min-Desired-Bandwidth-DL         Unsigned32           548         McPTT-Identifier         OctetString           548         Service-Authorization-Info         Unsigned32           549         Reserved				
Secondary - Action				
Max-Supported-Bandwidth-DL	541	Retry-Interval	Unsigned32	
Max-Supported-Bandwidth-DL	542	Sponsoring-Action	Enumerated	
Max-Supported-Bandwidth-UL				
545   Min-Desired-Bandwidth-DL   Unsigned32				
546   Min-Desired-Bandwidth-UL				
Service-Authorization-Info				
Service-Authorization-Info				
Seserved		INICPLI-INENTITIER		
S50   Priority-Sharing-Indicator   Enumerated   Note: The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.211 and TS 29.214				
Note: The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.211 and TS 29.214	548	Service-Authorization-Info		
600 Visited-Network-Identifier OctetString 601 Public-Identity UTF8String 602 Server-Name UTF8String 603 Server-Capabilities Grouped 604 Mandatory-Capability Unsigned32 605 Optional-Capability Unsigned32 606 User-Data OctetString 607 SIP-Number-Auth-Items Unsigned32 608 SIP-Authentication-Scheme UTF8String 609 SIP-Authenticate OctetString 610 SIP-Authenticate OctetString 611 SIP-Authentication-Context OctetString 612 SIP-Auth-Data-Item Grouped 613 SIP-Item-Number Unsigned32 614 Server-Assignment-Type Enumerated 615 Deregistration-Reason Grouped 616 Reason-Code Enumerated 617 Reason-Info UTF8String 618 Charging-Information Grouped 619 Primary-Event-Charging-Function-Name DiameterURI 620 Secondary-Event-Charging-Function-Name DiameterURI 621 User-Data-Already-Available Enumerated 622 User-Data-Already-Available Enumerated 623 User-Data-Request-Type Enumerated 624 User-Data-Request-Type Enumerated 625 User-Data-Request-Type Enumerated 626 Integrity-Key OctetString 627 User-Data-Request-Type Enumerated	548 549	Service-Authorization-Info Reserved	Unsigned32 -	
Foundation   Fou	548 549 550	Service-Authorization-Info Reserved Priority-Sharing-Indicator	Unsigned32 - Enumerated	
G02   Server-Name	548 549 550 Note:	Service-Authorization-Info Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2	Unsigned32 - Enumerated 211 and TS 29.214	
G02   Server-Name	548 549 550 Note:	Service-Authorization-Info Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2	Unsigned32 - Enumerated 211 and TS 29.214	
Grouped   Gouped	548 549 550 Note: 600	Service-Authorization-Info Reserved Priority-Sharing-Indicator The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2 Visited-Network-Identifier	Unsigned32 - Enumerated 211 and TS 29.214 OctetString	
604     Mandatory-Capability     Unsigned32       605     Optional-Capability     Unsigned32       606     User-Data     OctetString       607     SIP-Number-Auth-Items     Unsigned32       608     SIP-Authentication-Scheme     UTF8String       609     SIP-Authenticate     OctetString       610     SIP-Authorization     OctetString       611     SIP-Auth-Data-Item     Grouped       612     SIP-Auth-Data-Item     Grouped       613     SIP-Item-Number     Unsigned32       614     Server-Assignment-Type     Enumerated       615     Deregistration-Reason     Grouped       616     Reason-Code     Enumerated       617     Reason-Info     UTF8String       618     Charging-Information     Grouped       619     Primary-Event-Charging-Function-Name     DiameterURI       620     Secondary-Event-Charging-Function-Name     DiameterURI       621     Primary-Charging-Collection-Function-Name     DiameterURI       622     Secondary-Charging-Collection-Function-Name     DiameterURI       623     User-Data-Already-Available     Enumerated       624     User-Data-Already-Available     Enumerated       625     Confidentiality-Key     OctetString <td< td=""><td>548 549 550 Note: 600 601</td><td>Service-Authorization-Info 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</td><td>Unsigned32 - Enumerated 211 and TS 29.214 OctetString UTF8String</td><td></td></td<>	548 549 550 Note: 600 601	Service-Authorization-Info 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	Unsigned32 - Enumerated 211 and TS 29.214 OctetString UTF8String	
Continuity	548 549 550 Note: 600 601 602	Service-Authorization-Info 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	Unsigned32 - Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String	
606 User-Data OctetString 607 SIP-Number-Auth-Items Unsigned32 608 SIP-Authentication-Scheme UTF8String 609 SIP-Authenticate OctetString 610 SIP-Authenticate OctetString 611 SIP-Authentication-Context OctetString 612 SIP-Auth-Data-Item Grouped 613 SIP-Item-Number Unsigned32 614 Server-Assignment-Type Enumerated 615 Deregistration-Reason Grouped 616 Reason-Code Enumerated 617 Reason-Info UTF8String 618 Charging-Information Grouped 619 Primary-Event-Charging-Function-Name DiameterURI 620 Secondary-Event-Charging-Function-Name DiameterURI 621 Primary-Charging-Collection-Function-Name DiameterURI 622 Secondary-Charging-Collection-Function-Name DiameterURI 623 User-Authorization-Type Enumerated 624 User-Data-Already-Available Enumerated 625 Confidentiality-Key OctetString 626 Integrity-Key OctetString 627 User-Data-Request-Type Enumerated	548 549 550 Note: 600 601 602 603	Service-Authorization-Info 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	Unsigned32 - Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped	
607 SIP-Number-Auth-Items 608 SIP-Authentication-Scheme 609 SIP-Authenticate 609 SIP-Authenticate 609 SIP-Authorization 610 SIP-Authorization 611 SIP-Authentication-Context 612 SIP-Authentication-Context 613 SIP-Item 614 Server-Assignment-Type 615 Deregistration-Reason 616 Reason-Code 617 Reason-Info 618 Charging-Information 619 Primary-Event-Charging-Function-Name 610 Secondary-Event-Charging-Function-Name 611 Primary-Charging-Collection-Function-Name 612 Secondary-Charging-Collection-Function-Name 613 DiameterURI 614 DiameterURI 615 Deregistration-Type 616 Charging-Information 617 Reason-Info 618 Charging-Information 619 DiameterURI 619 DiameterURI 610 Secondary-Event-Charging-Function-Name 610 DiameterURI 611 DiameterURI 612 DiameterURI 613 DiameterURI 614 DiameterURI 615 DiameterURI 616 DiameterURI 617 DiameterURI 618 DiameterURI 619 DiameterURI 619 DiameterURI 610 DiameterURI 610 DiameterURI 611 DiameterURI 612 DiameterURI 613 DiameterURI 614 DiameterURI 615 DiameterURI 616 DiameterURI 617 DiameterURI 618 DiameterURI 619 DiameterURI 619 DiameterURI 610 DiameterURI 610 DiameterURI 611 DiameterURI 612 DiameterURI 613 DiameterURI 614 DiameterURI 615 DiameterURI 615 DiameterURI 616 DiameterURI 617 DiameterURI 618 DiameterURI 619 DiameterURI 619 DiameterURI 610 DiameterURI 610 DiameterURI 611 DiameterURI 612 DiameterURI 613 DiameterURI 614 DiameterURI 615 DiameterURI 616 DiameterURI 617 DiameterURI 618 DiameterURI 619 DiameterURI 619 DiameterURI 619 DiameterURI 610 DiameterURI 610 DiameterURI 610 DiameterURI 611 DiameterURI 612 DiameterURI 612 DiameterURI 613 DiameterURI 614 DiameterURI 615 DiameterURI 616 DiameterURI 617 DiameterURI 618 DiameterURI 619 DiameterURI 619 DiameterURI 610 DiameterURI 610 DiameterURI 610 DiameterURI 611 DiameterURI 612 DiameterURI 612 DiameterURI 613 DiameterURI 615 DiameterURI 616 DiameterURI 617 DiameterURI 618 DiameterURI 619 DiameterURI 619 DiameterURI 610 DiameterURI 610 DiameterURI 610 DiameterURI 611 DiameterURI 611 DiameterURI 612 DiameterURI 612 DiameterURI 613 DiameterURI	548 549 550 Note: 600 601 602 603 604	Service-Authorization-Info 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	Unsigned32 - Enumerated 211 and TS 29.214 OctetString UTF8String UTF8String Grouped Unsigned32	
608SIP-Authentication-SchemeUTF8String609SIP-AuthenticateOctetString610SIP-AuthorizationOctetString611SIP-Authentication-ContextOctetString612SIP-Auth-Data-ItemGrouped613SIP-Item-NumberUnsigned32614Server-Assignment-TypeEnumerated615Deregistration-ReasonGrouped616Reason-CodeEnumerated617Reason-InfoUTF8String618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605	Service-Authorization-Info 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	Unsigned32	
609 SIP-Authenticate OctetString 610 SIP-Authorization OctetString 611 SIP-Authentication-Context OctetString 612 SIP-Auth-Data-Item Grouped 613 SIP-Item-Number Unsigned32 614 Server-Assignment-Type Enumerated 615 Deregistration-Reason Grouped 616 Reason-Code Enumerated 617 Reason-Info UTF8String 618 Charging-Information Grouped 619 Primary-Event-Charging-Function-Name DiameterURI 620 Secondary-Event-Charging-Function-Name DiameterURI 621 Primary-Charging-Collection-Function-Name DiameterURI 622 Secondary-Charging-Collection-Function-Name DiameterURI 623 User-Authorization-Type Enumerated 624 User-Data-Already-Available Enumerated 625 Confidentiality-Key OctetString 626 Integrity-Key OctetString 627 User-Data-Request-Type	548 549 550 Note: 600 601 602 603 604 605	Service-Authorization-Info 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	Unsigned32	
610SIP-AuthorizationOctetString611SIP-Authentication-ContextOctetString612SIP-Auth-Data-ItemGrouped613SIP-Item-NumberUnsigned32614Server-Assignment-TypeEnumerated615Deregistration-ReasonGrouped616Reason-CodeEnumerated617Reason-InfoUTF8String618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606	Service-Authorization-Info 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	Unsigned32	
611SIP-Authentication-ContextOctetString612SIP-Auth-Data-ItemGrouped613SIP-Item-NumberUnsigned32614Server-Assignment-TypeEnumerated615Deregistration-ReasonGrouped616Reason-CodeEnumerated617Reason-InfoUTF8String618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608	Service-Authorization-Info 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	Unsigned32	
612SIP-Auth-Data-ItemGrouped613SIP-Item-NumberUnsigned32614Server-Assignment-TypeEnumerated615Deregistration-ReasonGrouped616Reason-CodeEnumerated617Reason-InfoUTF8String618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608	Service-Authorization-Info 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	Unsigned32	
612SIP-Auth-Data-ItemGrouped613SIP-Item-NumberUnsigned32614Server-Assignment-TypeEnumerated615Deregistration-ReasonGrouped616Reason-CodeEnumerated617Reason-InfoUTF8String618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609	Service-Authorization-Info 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-Authorization	Unsigned32	
613SIP-Item-NumberUnsigned32614Server-Assignment-TypeEnumerated615Deregistration-ReasonGrouped616Reason-CodeEnumerated617Reason-InfoUTF8String618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609	Service-Authorization-Info 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-Authorization	Unsigned32	
614Server-Assignment-TypeEnumerated615Deregistration-ReasonGrouped616Reason-CodeEnumerated617Reason-InfoUTF8String618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610	Service-Authorization-Info 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	Unsigned32	
615Deregistration-ReasonGrouped616Reason-CodeEnumerated617Reason-InfoUTF8String618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611	Service-Authorization-Info 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	Unsigned32	
616Reason-CodeEnumerated617Reason-InfoUTF8String618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613	Service-Authorization-Info 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	Unsigned32	29 229 [2]
617Reason-InfoUTF8String618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614	Service-Authorization-Info 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	Unsigned32	29.229 [2]
618Charging-InformationGrouped619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615	Service-Authorization-Info 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	Unsigned32  Enumerated 211 and TS 29.214  OctetString UTF8String Grouped Unsigned32 Unsigned32 OctetString UTF8String OctetString Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString Grouped Unsigned32 Enumerated Grouped	29.229 [2]
619Primary-Event-Charging-Function-NameDiameterURI620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616	Service-Authorization-Info 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	Unsigned32	29.229 [2]
620Secondary-Event-Charging-Function-NameDiameterURI621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616	Service-Authorization-Info 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	Unsigned32	29.229 [2]
621Primary-Charging-Collection-Function-NameDiameterURI622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618	Service-Authorization-Info 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	Unsigned32  Enumerated 211 and TS 29.214  OctetString UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString OctetString Grouped Unsigned32 UTF8String OctetString OctetString OctetString Grouped Unsigned32 Enumerated Grouped Enumerated Grouped Enumerated UTF8String Grouped	29.229 [2]
622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	548 549 550 Note: 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619	Service-Authorization-Info 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	Unsigned32  Enumerated 211 and TS 29.214  OctetString UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 UtresString UTF8String Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String OctetString OctetString OctetString Grouped Unsigned32 Enumerated Unsigned32	29.229 [2]
622Secondary-Charging-Collection-Function-NameDiameterURI623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	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	Service-Authorization-Info 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-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	Unsigned32  Enumerated 211 and TS 29.214  OctetString  UTF8String  Grouped  Unsigned32  Unsigned32  Unsigned32  UTF8String  OctetString  UTF8String  OctetString  OctetString  OctetString  OctetString  OctetString  OctetString  Grouped  Unsigned32  UTF8String  OctetString  OctetString  OctetString  Grouped  Unsigned32  Enumerated  UTF8String  Grouped  Enumerated  Grouped  Enumerated  UTF8String  Grouped  DiameterURI  DiameterURI	29.229 [2]
623User-Authorization-TypeEnumerated624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	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	Service-Authorization-Info 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-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	Unsigned32  Enumerated 211 and TS 29.214  OctetString  UTF8String  Grouped  Unsigned32  Unsigned32  Unsigned32  UTF8String  OctetString  UTF8String  OctetString  OctetString  OctetString  OctetString  OctetString  OctetString  Grouped  Unsigned32  UTF8String  OctetString  OctetString  OctetString  Grouped  Unsigned32  Enumerated  UTF8String  Grouped  Enumerated  Grouped  Enumerated  UTF8String  Grouped  DiameterURI  DiameterURI	29.229 [2]
624User-Data-Already-AvailableEnumerated625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	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	Service-Authorization-Info 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-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	Unsigned32  Enumerated 211 and TS 29.214  OctetString  UTF8String  Grouped  Unsigned32  Unsigned32  Unsigned32  Unsigned32  UTF8String  OctetString  OctetString  OctetString  OctetString  OctetString  OctetString  Grouped  Unsigned32  UTF8String  OctetString  OctetString  OctetString  Grouped  Unsigned32  Enumerated  Unsigned32  Enumerated  Grouped  Unsigned32  Enumerated	29.229 [2]
625Confidentiality-KeyOctetString626Integrity-KeyOctetString627User-Data-Request-TypeEnumerated	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	Service-Authorization-Info 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-Authorization SIP-Authorization SIP-Authorization SIP-Authorization 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	Unsigned32  Enumerated 211 and TS 29.214  OctetString UTF8String UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Utr8String Unsigned32 UTF8String OctetString OctetString OctetString OctetString OctetString Unsigned32 UTF8String OttetString OttetString OttetString OttetString Unsigned32 UTF8String OctetString OttetString OttetString OttetString OttetString OctetString Unsigned32 Enumerated	29.229 [2]
626 Integrity-Key OctetString 627 User-Data-Request-Type Enumerated	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	Service-Authorization-Info 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-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-Authorization-Type	Unsigned32	29.229 [2]
627 User-Data-Request-Type Enumerated	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	Service-Authorization-Info 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 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-Authorization-Type User-Data-Already-Available	Unsigned32	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	Service-Authorization-Info 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 Secondary-Event-Charging-Function-Name Primary-Charging-Collection-Function-Name Secondary-Charging-Collection-Function-Name User-Authorization-Type User-Data-Already-Available Confidentiality-Key	Unsigned32	29.229 [2]
628   Supported-Features   Grouped	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	Service-Authorization-Info 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 Secondary-Charging-Collection-Function-Name Secondary-Charging-Collection-Function-Name User-Authorization-Type User-Data-Already-Available Confidentiality-Key Integrity-Key	Unsigned32	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	Service-Authorization-Info 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 Primary-Charging-Collection-Function-Name Secondary-Charging-Collection-Function-Name User-Authorization-Type User-Data-Already-Available Confidentiality-Key Integrity-Key User-Data-Request-Type	Unsigned32	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	

	Called-Party-Address	UTF8String
	Time-Stamps	Grouped
	SIP-Request-Timestamp	Time
	SIP-Response-Timestamp	Time
836	Application-Server	UTF8String
837	Application-provided-called-party-address	UTF8String
838	Inter-Operator-Identifier	Grouped
839	Originating-IOI	UTF8String
	Terminating-IOI	UTF8String
	IMS-Charging-Identifier	UTF8String
	SDP-Session-Description	UTF8String
843	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  PS Information	Grouped
	PS-Information	Grouped
	Reserved IMS-Information	- Crouse and
		Grouped
	MMS-Information	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
890	Reserved	-
	Reserved	-
	Reserved	-
	Reserved	-
894	Reserved	-
895	Reserved	-
896	Reserved	=

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	<u> </u>	
	1027 IP-CAN-Type	Enumerated
1930   QoS-Upgrade		Enumerated
1031 Rule-Failure-Code		
		Enumerated
1033   Event-Report-Indication   Grouped	1031 Rule-Failure-Code	Enumerated
1034   Allocation-Retention-Priority   Grouped	1032 RAT-Type	Enumerated
1035   COA-IP-Address   Address   1978   IP-REPRUE   1978   IP-REPRUE   1937   Tunnel-Header-Filter   IP-REPRUE   1937   Tunnel-Header-Length   Unsigned32   1038   Tunnel-Information   Grouped   1040   APN-Aggregate-Max-Bitrate-DL   Unsigned32   1041   APN-Aggregate-Max-Bitrate-DL   Unsigned32   1042   Revalidation-Time   Time   Time   1043   Rule-Advisation-Time   Time   Time   1044   Rule-De-Advisation-Time   Time   1045   Rule-Advisation-Time   Time   1045   Rule-Calvation-Time   Time   1045   Rule-Calvation-Time   Time   1046   Rule-De-Advisation-Time   Time   1046   Rule-De-Advisation-Time   Time   1046   Rule-De-Advisation-Time   Time   1047   Pre-emption-Capability   Unsigned32   1047   Pre-emption-Capability   Enumerated   1048   Pre-emption-Capability   Enumerated   1048   Pre-emption-Capability   Enumerated   1049   Pre-emption-Vulnerability   Enumerated   1049   Pre-emption-Vulnerability   Enumerated   1049   Pre-emption-Vulnerability   Enumerated   1049   Default-EPS-Bearer-QoS   Grouped   1050   AN-GW-Address   Address   Address   Address   1051   QoS-Rule-Install   Grouped   1052   QoS-Rule-Install   Grouped   1053   QoS-Rule-Definition   Grouped   1054   QoS-Rule-Report   Grouped   1055   QoS-Rule-Report   Grouped   1056   Security-Parameter-Index   QotetString   1056   Security-Parameter-Index   QotetString   1056   Security-Parameter-Index   QotetString   1058   Packet-Filter-Content   IP-Filter-Rule   1060   Packet-Filter-Deration   Enumerated   1060   Packet-Filter-Deration   Enumerated   1061   Packet-Filter-Deration   Enumerated   1062   Packet-Filter-Deration   Enumerated   1063   Resource-Allocation-Notification   Enumerated   1064   Session-Linking-Indicator   Enumerated   1065   Packet-Filter-Deration   Enumerated   1074   QoS-Rule-Berothion-Report   Enumerated   1075   Packet-Filter-Deration   Enumerated   1076   Packet-Filter-Deration   Enumerated   1077   Routing-Rule-Definition   Grouped   1077   Routing-Rule-Definition   Grouped   1077   Routing-Rule-Definition   Grouped   1077	1033 Event-Report-Indication	Grouped
	1034 Allocation-Retention-Priority	Grouped
1033   Tunnel-Header-Length	1035 CoA-IP-Address	Address
1038   CAI-Information   Grouped	1036 Tunnel-Header-Filter	IPFilterRule
1038   CAI-Information   Grouped	1037 Tunnel-Header-Length	Unsigned32
1039   CoA-Information	1038 Tunnel-Information	
1040 APN-Aggregate-Max-Bitrate-DL	1039 CoA-Information	
1041 APN-Aggregate-Max-Bitrate-UL		
1042   Revalidation-Time		
1043   Rule-Activation-Time		
1045   Session-Release-Cause		
1045   Session-Release-Cause		
1046   Priority-Level		
1048   Pre-emption-Vulnerability   Enumerated		
1049   Default-EPS-Bearer-QoS   Grouped		
1050   AN-GW-Address   Address   Grouped		
1051   QoS-Rule-Install   Grouped   1052   QoS-Rule-Remove   Grouped   1053   QoS-Rule-Name   OctetString   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-Information   Grouped   1061   Packet-Filter-Information   Grouped   1062   Packet-Filter-Information   Grouped   1063   Resource-Allocation-Notification   Enumerated   1064   Session-Linking-Indicator   Enumerated   1065   PDN-Connection-ID   OctetString   1066   Monitoring-Key   OctetString   1067   Usage-Monitoring-Information   Grouped   1068   Dage-Monitoring-Level   Grouped   1069   Usage-Monitoring-Report   Enumerated   1070   Usage-Monitoring-Support   Enumerated   1071   OSG-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-Remove   Grouped   1077   Routing-Rule-Identifier   Grouped   1078   Routing-Rule-Identifier   Grouped   1079   Routing-Rule-Install   Grouped   1080   Redirect-Information   Enumerated   1071   CSG-Information-Indicator   Enumerated   1072   Packet-Filter-Usage   Enumerated   1073   Charging-Correlation-Indicator   Enumerated   1074   QoS-Rule-Base-Name   UTF8String   1075   Routing-Rule-Identifier   Grouped   1076   Routing-Rule-Identifier   Grouped   1077   Routing-Rule-Identifier   Grouped   1078   Routing-Rule-Install   Grouped   1080   Redirect-Support   Enumerated   1081   Routing-Rule-Install   Grouped   1082   Routing-Rule-Install   Grouped   1083   TDF-Destination-Host   DiameterIdentity   1084   TDF-ID-Estination-Realm   DiameterIdentity   1085   TDF-Identiall   Grouped   1086   Redirect-Support   Enumerated   1087   TDF-ID-Estination-Realm   DiameterIdentity   1088   TDF-Octet   TDF-Information   Grouped   1089   TDF-Destination-Rea		
1052   QoS-Rule-Remove   Grouped   1053   QoS-Rule-Definition   Grouped   1054   QoS-Rule-Definition   Grouped   1055   QoS-Rule-Name   OctetString   1056   QoS-Rule-Report   Grouped   1057   Flow-Label   OctetString   1058   Flow-Information   Grouped   1059   Packet-Filter-Content   IPFilterRule   1060   Packet-Filter-Identifier   OctetString   1061   Packet-Filter-Identifier   OctetString   1062   Packet-Filter-Identifier   OctetString   1063   Resource-Allocation-Notification   Enumerated   1064   Packet-Filter-Information   Grouped   1065   Packet-Filter-Information   Grouped   1066   Packet-Filter-Information   Grouped   1067   Packet-Filter-Information   Grouped   1068   Session-Linking-Indicator   Enumerated   1069   Dession-Linking-Indicator   Enumerated   1060   PDN-Connection-ID   OctetString   1061   OctetString   1062   OctetString   OctetString   1063   Usage-Monitoring-Information   Grouped   1064   Usage-Monitoring-Report   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-Definition   Grouped   1076   Routing-Rule-Identifier   Grouped   1077   Routing-Rule-Identifier   Grouped   1078   Routing-Rule-Identifier   Grouped   1079   Routing-Rule-Install   Grouped   1080   Redirect-Support   Enumerated   1081   Routing-Rule-Install   Grouped   1082   Credit-Management-Status   Unsigned32   1083   Redirect-Information   Grouped   1084   Routing-Rule-Install   Grouped   1085   Redirect-Support   Enumerated   1086   Redirect-Support   Enumerated   1087   DF-Destination-Host   DiameterIdentity   1089   TDF-Destination-Host   DiameterIdentity   1091   TDF-IP-address   Address   1092   ADC-Rule-Install   Grouped   1094   ADC-Rule-Install   Grouped   1095   ADC-Rule-Install   Grouped   1096   Grouped   Address   Address   1097   Address   Address		
1053         QoS-Rule-Definition         Grouped           1054         QoS-Rule-Name         OctetString           1055         QoS-Rule-Name         Grouped           1056         GoS-Rule-Report         Grouped           1057         Flow-Label         OctetString           1058         Flow-Label         OctetString           1058         Flow-Label         OctetString           1058         Flow-Label         IPFilterRule           1058         Flow-Label         OctetString           1059         Packet-Filter-Content         IPFilterRule           1060         Packet-Filter-Jontent         Grouped           1061         Packet-Filter-Joeration         Grouped           1062         Packet-Filter-Operation         Enumerated           1063         Resource-Allocation-Notification         Enumerated           1064         Session-Linking-Indicator         Enumerated           1065         PDN-Connection-ID         OctetString           1066         Monitoring-Key         OctetString           1067         Usage-Monitoring-Information         Grouped           1068         Usage-Monitoring-Report         Enumerated           1070         Usage-Monitoring-R		
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-Information         Grouped           1061         Packet-Filter-Information         Grouped           1062         Packet-Filter-Information         Enumerated           1063         Resource-Allocation-Notification         Enumerated           1064         Session-Linking-Indicator         Enumerated           1065         PDN-Connection-ID         OctetString           1066         Monitoring-Key         OctetString           1067         Usage-Monitoring-Information         Grouped           1070         Usage-Monitoring-Report         Enumerated           1071         Usage-Monitoring-Support         Enumerated           1072         Packet-Filter-Usage         Enumerated           1071         Usage-Monitoring-Reporting         Enumerated           1072         Packet-Filter-Usage         Enumerated <td></td> <td></td>		
1055   QoS-Rule-Report   Grouped		
1056   Security-Parameter-Index		
1057 Flow-Label         OctetString           1058 Flow-Information         Grouped           1059 Packet-Filter-Content         IPFilterRule           1060 Packet-Filter-Information         Grouped           1061 Packet-Filter-Information         Grouped           1062 Packet-Filter-Operation         Enumerated           1063 Resource-Allocation-Notification         Enumerated           1064 Session-Linking-Indicator         Enumerated           1065 PDN-Connection-ID         OctetString           1066 Monitoring-Key         OctetString           1067 Usage-Monitoring-Information         Grouped           1068 Usage-Monitoring-Level         Enumerated           1069 Usage-Monitoring-Support         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-IP-Address         Address           1080 Flow-Directi		
1058   Flow-Information   Grouped     1059   Packet-Filter-Content   IPFitterRule     1060   Packet-Filter-Identifier   OctetString     1061   Packet-Filter-Information   Grouped     1062   Packet-Filter-Operation   Enumerated     1063   Resource-Allocation-Notification   Enumerated     1064   Session-Linking-Indicator   Enumerated     1065   PDN-Connection-ID   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-Definition   Grouped     1076   Routing-Rule-Identifier   OctetString     1077   Routing-Rule-Identifier   Grouped     1078   Routing-Filter   Grouped     1079   Routing-IP-Address   Address     1080   Flow-Direction   Enumerated     1081   Routing-Rule-Information   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-Destination-Realm   DiameterIdentity     1091   TDF-IP-address   Address     1092   ADC-Rule-Install   Grouped     1093   TDF-Pustlination-Realm   DiameterIdentity     1094   DDC-Rule-Install   Grouped     1095   TDF-IP-address   Address     1096   Address   Address     1097   TDF-IP-address   Address     1098   TDF-IP-address   Address     1099   TDF-IP-address   Address     1090   TDF-IP-address   Address     10		
1059   Packet-Filter-Content   IPFilterRule   1060   Packet-Filter-Identifier   OctetString   1061   Packet-Filter-Identifier   OctetString   1062   Packet-Filter-Ioperation   Enumerated   1063   Resource-Allocation-Notification   Enumerated   1064   Session-Linking-Indicator   Enumerated   1065   PDN-Connection-ID   OctetString   1066   Monitoring-Key   OctetString   1066   Monitoring-Key   OctetString   1067   Usage-Monitoring-Information   Grouped   Enumerated   1070   Usage-Monitoring-Report   Enumerated   1070   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-Definition   Grouped   1076   Routing-Rule-Definition   Grouped   1077   Routing-Rule-Definition   Grouped   1078   Routing-Rule-Definition   Grouped   1079   Routing-Fule-Install   Grouped   1079   Routing-Indicator   Enumerated   1079   Routing-Indicator   Enumerated   1079   Routing-Rule-Install   Grouped   1081   Routing-Rule-Install   Grouped   1082   Credit-Management-Status   Unsigned32   1085   Redirect-Information   Grouped   1086   Redirect-Support   Enumerated   1086   Redirect-Information   Grouped   1087   TDF-Information   Grouped   1088   TDF-Application-Identifier   OctetString   1089   TDF-Destination-Host   DiameterIdentity   1090   TDF-Destination-Host   DiameterIdentity   1091   TDF-IP-address   Address   1092   ADC-Rule-Install   Grouped   1094   ADC-Rule-Install   Grouped   1094   ADC-Rule-Install   Grouped   1094   ADC-Rule-Install   Grouped   1095   ADC-Rule-Install   Grouped   1096   ADC-Rule-Install   Gr		
1060       Packet-Filter-Information         1061       Packet-Filter-Information         1062       Packet-Filter-Operation         1063       Resource-Allocation-Notification         1064       Session-Linking-Indicator       Enumerated         1065       PDN-Connection-ID       OctetString         1066       Monitoring-Key       OctetString         1067       Usage-Monitoring-Information       Grouped         1068       Usage-Monitoring-Information       Grouped         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-Filter       Grouped         1079       Routing-Rule-Install       Grouped </td <td></td> <td></td>		
1061 Packet-Filter-Information       Grouped         1062 Packet-Filter-Operation       Enumerated         1063 Resource-Allocation-Notification       Enumerated         1064 Session-Linking-Indicator       Enumerated         1065 PDN-Connection-ID       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 USAG-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-Information       Grouped         1078 Routing-Filter       Grouped         1079 Routing-Filter       Grouped         1080 Flow-Direction       Enumerated         1081 Routing-Rule-Install       Grouped         1082 Credit-Management-Status       Unsigned32         1085 Redirect-Information       Grouped         1086 Redirect-Support <td></td> <td></td>		
1062   Packet-Filter-Operation   Enumerated   1063   Resource-Allocation-Notification   Enumerated   1064   Session-Linking-Indicator   Enumerated   1065   PDN-Connection-ID   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-Ilter   Grouped   1079   Routing-Ilter   Grouped   1080   Flow-Direction   Enumerated   1081   Routing-Rule-Install   Grouped   1082   Credit-Management-Status   Unsigned32   1085   Redirect-Information   Grouped   1086   Redirect-Information   Grouped   1087   TDF-Information   Grouped   1088   TDF-Application-Identifier   OctetString   1089   TDF-Destination-Realm   DiameterIdentity   1091   TDF-IP-address   Address   1092   ADC-Rule-Install   DiameterIdentity   1091   TDF-IP-address   Address   1092   ADC-Rule-Install   Grouped   1093   TDF-IP-address   Address   1094   ADC-Rule-Install   DiameterIdentity   1095   TDF-IP-address   Address   1096   ADC-Rule-Install   Grouped   1097   ADC-Rule-Install   DiameterIdentity   1098   TDF-IP-address   Address   1099   ADC-Rule-Install   Grouped   1090   ADC-Rule-Install   Grouped   1091   TDF-IP-address   Address   1092   ADC-Rule-Install   Grouped   1094   ADC-Rule-Install   Grouped   1095   ADC-Rule-Install   Grouped   1096   ADC-Rule-Install   Grouped   1097   ADC-Rule-Install   Grouped   1098   ADC-Rule-Install   Grouped   1099   ADC-Rule-Install   Grouped   1090   ADC-Rule-Install   Grouped   1090   ADC-Rule-Install   Grouped   1090   ADC-Rule-Install   Grouped   1090   ADC-Rule-Install   Grouped		
Resource-Allocation-Notification		
1064   Session-Linking-Indicator   Enumerated   1065   PDN-Connection-ID   OctetString   1066   Monitoring-Key   OctetString   1067   Usage-Monitoring-Information   Grouped   1068   Usage-Monitoring-Level   Enumerated   1069   Usage-Monitoring-Level   Enumerated   1070   Usage-Monitoring-Support   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-Definition   Grouped   1076   Routing-Rule-Definition   Grouped   1077   Routing-Rule-Identifier   OctetString   1078   Routing-Rule-Identifier   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   1088   TDF-Application-Identifier   OctetString   1089   TDF-Destination-Realm   DiameterIdentity   1091   TDF-IP-address   Address   1092   ADC-Rule-Install   Grouped   Interval   Inte		1 1 1 1 1 1 1 1
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1066       Monitoring-Key       OctetString         1067       Usage-Monitoring-Information       Grouped         1068       Usage-Monitoring-Level       Enumerated         1069       Usage-Monitoring-Report       Enumerated         1070       Usage-Monitoring-Report       Enumerated         1071       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-Base-Name       UTF8String         1076       Routing-Rule-Definition       Grouped         1077       Routing-Rule-Identifier       OctetString         1078       Routing-Rule-Identifier       Grouped         1079       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 <t< td=""><td></td><td></td></t<>		
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1080Flow-DirectionEnumerated1081Routing-Rule-InstallGrouped1082Credit-Management-StatusUnsigned321085Redirect-InformationGrouped1086Redirect- SupportEnumerated1087TDF-InformationGrouped1088TDF-Application-IdentifierOctetString1089TDF-Destination-HostDiameterIdentity1090TDF-Destination-RealmDiameterIdentity1091TDF-IP-addressAddress1092ADC-Rule-InstallGrouped		
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1082Credit-Management-StatusUnsigned321085Redirect-InformationGrouped1086Redirect- SupportEnumerated1087TDF-InformationGrouped1088TDF-Application-IdentifierOctetString1089TDF-Destination-HostDiameterIdentity1090TDF-Destination-RealmDiameterIdentity1091TDF-IP-addressAddress1092ADC-Rule-InstallGrouped		
1085Redirect-InformationGrouped1086Redirect- SupportEnumerated1087TDF-InformationGrouped1088TDF-Application-IdentifierOctetString1089TDF-Destination-HostDiameterIdentity1090TDF-Destination-RealmDiameterIdentity1091TDF-IP-addressAddress1092ADC-Rule-InstallGrouped		
1086Redirect- SupportEnumerated1087TDF-InformationGrouped1088TDF-Application-IdentifierOctetString1089TDF-Destination-HostDiameterIdentity1090TDF-Destination-RealmDiameterIdentity1091TDF-IP-addressAddress1092ADC-Rule-InstallGrouped		
1087TDF-InformationGrouped1088TDF-Application-IdentifierOctetString1089TDF-Destination-HostDiameterIdentity1090TDF-Destination-RealmDiameterIdentity1091TDF-IP-addressAddress1092ADC-Rule-InstallGrouped		
1088TDF-Application-IdentifierOctetString1089TDF-Destination-HostDiameterIdentity1090TDF-Destination-RealmDiameterIdentity1091TDF-IP-addressAddress1092ADC-Rule-InstallGrouped		
1089 TDF-Destination-HostDiameterIdentity1090 TDF-Destination-RealmDiameterIdentity1091 TDF-IP-addressAddress1092 ADC-Rule-InstallGrouped		
1090TDF-Destination-RealmDiameterIdentity1091TDF-IP-addressAddress1092ADC-Rule-InstallGrouped		
1091 TDF-IP-addressAddress1092 ADC-Rule-InstallGrouped		
1092 ADC-Rule-Install Grouped		
1093   ADC-Rule-Remove 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	
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	2 11 county	
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	
1219 Aux-Applic-Info	UTF8String	32.299 [5]
1220 Content-Class	Enumerated	
1221 DRM-Content	Enumerated	
1221 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	
1207 LOO-1 Official College	Liiuiiieialeu	

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 1267 Envelope-End-Time	Time	
1268 Envelope-Reporting	Enumerated Time	
1269 Envelope-Start-Time		
1270 Time-Quota-Mechanism	Grouped	
1271 Time-Quota-Type	Enumerated	
1272 Early-Media-Description	Grouped	
1273 SDP-TimeStamps	Grouped	
1274 SDP-Offer-Timestamp	Time	
1275 SDP-Answer-Timestamp	Time	
1276 AF-Correlation-Information	Grouped	
1277 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	20 272 [24]
		29.272 [21]
1407 Visited PLMN Id	OctetString	
1408 Requested-EUTRAN-Authentication-Info	Grouped	
1409 Requested-UTRAN- GERAN-Authentication-Info	Grouped	
1410 Number-Of-Requested-Vectors	Unsigned32	
1411 Re-Synchronization-Info 1412 Immediate-Response-Preferred	OctetString Unsigned32	

1414   E-UTRAN-Vector		
1415   UTRAN-Vector	1413 Authentication-Info	
1416   ERAN-Vector		
1417   Network-Access-Mode		
Help   HPLMN-ODB		
1419   Item-Number		
1421   DSR-Flags		
1422   DSA-Flags		
1423   Context-Identifier		
1425   Operator-Determined-Barring	1423 Context-Identifier	
1426   Access-Restriction-Data	1424 Subscriber-Status	Enumerated
1427   APN-Ol-Replacement	1425 Operator-Determined-Barring	Unsigned32
	1426 Access-Restriction-Data	UTF8String
APN-Configuration-Profile   Grouped	1427 APN-OI-Replacement	UTF8String
1430   APN-Configuration   Grouped	1428 All-APN-Configurations-Included-Indicator	Enumerated
1430   APN-Configuration   Grouped		Grouped
1431 EPS-Subscribed-QoS-Profile   Grouped     1432   VPLMN-Dynamic-Address-Allowed   Enumerated     1432   VPLMN-Dynamic-Address-Allowed   Enumerated     1433   STN-SR   OctetString     1434   Alert-Reason   Enumerated     1435   AMBR   Grouped     1436   AMBR   Grouped     1436   AMBR   Grouped     1436   AMBR   Grouped     1437   CSG-Jubscription-Data   Unsigned32     1438   PDN-GW-Allocation-Type   Enumerated     1439   Expiration-Date   Time     1440   RAT-Frequency-Selection-Priority-ID   Unsigned32     1441   IDA-Flags   Unsigned32     1441   IDA-Flags   Unsigned32     1442   PUA-Flags   Unsigned32     1443   NOR-Flags   Unsigned32     1444   Ver-Id   Unsigned32     1445   Equipment-Status   Enumerated     1446   Regional-Subscription-Zone-Code   OctetString     1447   RAND   OctetString     1448   RRES   OctetString     1449   AUTN   OctetString     1450   KASME   OctetString     1451   Reserved       1452   Trace-Collection-Entity   Address     1453   KC   OctetString     1455   Reserved       1456   PDN-Type   Enumerated     1457   Roaming-Restricted-Due-To-Unsupported-Feature   Enumerated     1458   Trace-Pepth   Enumerated     1460   Reserved       1461   Reserved       1462   Trace-Reference   OctetString     1463   Trace-Reference   OctetString     1464   Reserved       1465   Roaming-Restricted-Due-To-Unsupported-Feature   Enumerated     1460   Reserved       1461   Reserved       1462   Trace-Depth   Enumerated   Grouped   Grouped     1463   Trace-Event-List   OctetString   OctetString     1464   Reserved       1465   Trace-Event-List   OctetString		
1432   VPLMN-Dynamic-Address-Allowed	1431 EPS-Subscribed-QoS-Profile	
1433   Alert-Reason		
1435   AMBR		
1436   CSG-Subscription-Data   Grouped		
1437   CSG-Id		
Haya   Expiration-Date   Time   Haya   Expiration-Date   Time   Haya   Expiration-Date   Time   Haya   Expiration-Date   Time   Haya   RAT-Frequency-Selection-Priority-ID   Unsigned32   Haya   IDA-Flags   IDA		
Ha39   Expiration-Date   Time   Ha40   RAT-Frequency-Selection-Priority-ID   Unsigned32   Unsi		
1440   RÁT-Frequency-Selection-Priority-ID		
1441   IDA-Flags		
1442   PUA-Flags		
1443   NOR-Flags		
1444   User-Id		
1445   Equipment-Status		
1446   Regional-Subscription-Zone-Code		
1447   RAND		
1448   XRES   OctetString		
1449   AUTN		
1450   KASME   OctetString   Reserved   -		
1451   Reserved   -		
1452         Trace-Collection-Entity         Address           1453         Kc         OctetString           1454         SRES         OctetString           1455         Reserved         -           1456         PDN-Type         Enumerated           1457         Roaming-Restricted-Due-To-Unsupported-Feature         Enumerated           1458         Trace-Data         Grouped           1459         Trace-Reference         OctetString           1460         Reserved         -           1461         Reserved         -           1462         Trace-Depth         Enumerated           1463         Trace-NE-Type-List         OctetString           1464         Trace-Interface-List         OctetString           1465         Trace-Interface-List         OctetString           1466         OMC-Id         OctetString           1467         GPRS-Subscription-Data         Grouped           1468         Complete-Data-List-Included-Indicator         Enumerated           1469         PDP-Context         Grouped           1470         PDP-Type         OctetString           1471         3GPP2-MEID         OctetString           1472         <		OctetString
1453 Kc         OctetString           1454 SRES         OctetString           1455 Reserved         -           1456 PDN-Type         Enumerated           1457 Roaming-Restricted-Due-To-Unsupported-Feature         Enumerated           1458 Trace-Data         Grouped           1459 Trace-Reference         OctetString           1460 Reserved         -           1461 Reserved         -           1462 Trace-Depth         Enumerated           1463 Trace-NE-Type-List         OctetString           1464 Trace-Interface-List         OctetString           1465 Trace-Event-List         OctetString           1466 OMC-Id         OctetString           1467 GPRS-Subscription-Data         Grouped           1468 Complete-Data-List-Included-Indicator         Enumerated           1469 PDP-Context         Grouped           1470 PDP-Type         OctetString           1471 GPP-MEID         OctetString           1472 Specific-APN-Info         Grouped           1473 LCS-Info         Grouped           1474 GMLC-Number         OctetString           1475 LCS-PrivacyException         Grouped           1476 SS-Code         OctetString		
1454 SRES         OctetString           1455 Reserved         -           1456 PDN-Type         Enumerated           1457 Roaming-Restricted-Due-To-Unsupported-Feature         Enumerated           1458 Trace-Data         Grouped           1459 Trace-Reference         OctetString           1460 Reserved         -           1461 Reserved         -           1462 Trace-Depth         Enumerated           1463 Trace-NE-Type-List         OctetString           1465 Trace-Interface-List         OctetString           1465 Trace-Event-List         OctetString           1466 OMC-Id         OctetString           1467 GPRS-Subscription-Data         Grouped           1468 Complete-Data-List-Included-Indicator         Enumerated           1469 PDP-Context         Grouped           1470 PDP-Type         OctetString           1471 3GPP2-MEID         OctetString           1472 Specific-APN-Info         Grouped           1473 LCS-Info         Grouped           1474 GMLC-Number         OctetString           1475 LCS-PrivacyException         Grouped           1476 SS-Code         OctetString		
1455   Reserved		
1456 PDN-Type		OctetString
Roaming-Restricted-Due-To-Unsupported-Feature   Enumerated     Grouped     G		
1458         Trace-Data         Grouped           1459         Trace-Reference         OctetString           1460         Reserved         -           1461         Reserved         -           1462         Trace-Depth         Enumerated           1463         Trace-NE-Type-List         OctetString           1464         Trace-Interface-List         OctetString           1465         Trace-Event-List         OctetString           1466         OMC-Id         OctetString           1467         GPRS-Subscription-Data         Grouped           1468         Complete-Data-List-Included-Indicator         Enumerated           1469         PDP-Context         Grouped           1470         PDP-Type         OctetString           1471         3GPP2-MEID         OctetString           1472         Specific-APN-Info         Grouped           1473         LCS-Info         Grouped           1474         GMLC-Number         OctetString           1475         LCS-PrivacyException         Grouped           1476         SS-Code         OctetString		
1459         Trace-Reference         OctetString           1460         Reserved         -           1461         Reserved         -           1462         Trace-Depth         Enumerated           1463         Trace-NE-Type-List         OctetString           1464         Trace-Interface-List         OctetString           1465         Trace-Event-List         OctetString           1466         OMC-Id         OctetString           1467         GPRS-Subscription-Data         Grouped           1468         Complete-Data-List-Included-Indicator         Enumerated           1469         PDP-Context         Grouped           1470         PDP-Type         OctetString           1471         3GPP2-MEID         OctetString           1472         Specific-APN-Info         Grouped           1473         LCS-Info         Grouped           1474         GMLC-Number         OctetString           1475         LCS-PrivacyException         Grouped           1476         SS-Code         OctetString		
1460   Reserved   -	1458 Trace-Data	
1461   Reserved	1459 Trace-Reference	OctetString
1462Trace-DepthEnumerated1463Trace-NE-Type-ListOctetString1464Trace-Interface-ListOctetString1465Trace-Event-ListOctetString1466OMC-IdOctetString1467GPRS-Subscription-DataGrouped1468Complete-Data-List-Included-IndicatorEnumerated1469PDP-ContextGrouped1470PDP-TypeOctetString14713GPP2-MEIDOctetString1472Specific-APN-InfoGrouped1473LCS-InfoGrouped1474GMLC-NumberOctetString1475LCS-PrivacyExceptionGrouped1476SS-CodeOctetString	1460 Reserved	-
1463         Trace-NE-Type-List         OctetString           1464         Trace-Interface-List         OctetString           1465         Trace-Event-List         OctetString           1466         OMC-Id         OctetString           1467         GPRS-Subscription-Data         Grouped           1468         Complete-Data-List-Included-Indicator         Enumerated           1469         PDP-Context         Grouped           1470         PDP-Type         OctetString           1471         3GPP2-MEID         OctetString           1472         Specific-APN-Info         Grouped           1473         LCS-Info         Grouped           1474         GMLC-Number         OctetString           1475         LCS-PrivacyException         Grouped           1476         SS-Code         OctetString	1461 Reserved	-
1463         Trace-NE-Type-List         OctetString           1464         Trace-Interface-List         OctetString           1465         Trace-Event-List         OctetString           1466         OMC-Id         OctetString           1467         GPRS-Subscription-Data         Grouped           1468         Complete-Data-List-Included-Indicator         Enumerated           1469         PDP-Context         Grouped           1470         PDP-Type         OctetString           1471         3GPP2-MEID         OctetString           1472         Specific-APN-Info         Grouped           1473         LCS-Info         Grouped           1474         GMLC-Number         OctetString           1475         LCS-PrivacyException         Grouped           1476         SS-Code         OctetString	1462 Trace-Depth	Enumerated
1464         Trace-Interface-List         OctetString           1465         Trace-Event-List         OctetString           1466         OMC-Id         OctetString           1467         GPRS-Subscription-Data         Grouped           1468         Complete-Data-List-Included-Indicator         Enumerated           1469         PDP-Context         Grouped           1470         PDP-Type         OctetString           1471         3GPP2-MEID         OctetString           1472         Specific-APN-Info         Grouped           1473         LCS-Info         Grouped           1474         GMLC-Number         OctetString           1475         LCS-PrivacyException         Grouped           1476         SS-Code         OctetString	1463 Trace-NE-Type-List	
1465         Trace-Event-List         OctetString           1466         OMC-Id         OctetString           1467         GPRS-Subscription-Data         Grouped           1468         Complete-Data-List-Included-Indicator         Enumerated           1469         PDP-Context         Grouped           1470         PDP-Type         OctetString           1471         3GPP2-MEID         OctetString           1472         Specific-APN-Info         Grouped           1473         LCS-Info         Grouped           1474         GMLC-Number         OctetString           1475         LCS-PrivacyException         Grouped           1476         SS-Code         OctetString	1464 Trace-Interface-List	
1466 OMC-Id         OctetString           1467 GPRS-Subscription-Data         Grouped           1468 Complete-Data-List-Included-Indicator         Enumerated           1469 PDP-Context         Grouped           1470 PDP-Type         OctetString           1471 3GPP2-MEID         OctetString           1472 Specific-APN-Info         Grouped           1473 LCS-Info         Grouped           1474 GMLC-Number         OctetString           1475 LCS-PrivacyException         Grouped           1476 SS-Code         OctetString	1465 Trace-Event-List	
1467 GPRS-Subscription-Data         Grouped           1468 Complete-Data-List-Included-Indicator         Enumerated           1469 PDP-Context         Grouped           1470 PDP-Type         OctetString           1471 3GPP2-MEID         OctetString           1472 Specific-APN-Info         Grouped           1473 LCS-Info         Grouped           1474 GMLC-Number         OctetString           1475 LCS-PrivacyException         Grouped           1476 SS-Code         OctetString	1466 OMC-Id	
1468 Complete-Data-List-Included-Indicator         Enumerated           1469 PDP-Context         Grouped           1470 PDP-Type         OctetString           1471 3GPP2-MEID         OctetString           1472 Specific-APN-Info         Grouped           1473 LCS-Info         Grouped           1474 GMLC-Number         OctetString           1475 LCS-PrivacyException         Grouped           1476 SS-Code         OctetString		
1469 PDP-Context         Grouped           1470 PDP-Type         OctetString           1471 3GPP2-MEID         OctetString           1472 Specific-APN-Info         Grouped           1473 LCS-Info         Grouped           1474 GMLC-Number         OctetString           1475 LCS-PrivacyException         Grouped           1476 SS-Code         OctetString		
1470         PDP-Type         OctetString           1471         3GPP2-MEID         OctetString           1472         Specific-APN-Info         Grouped           1473         LCS-Info         Grouped           1474         GMLC-Number         OctetString           1475         LCS-PrivacyException         Grouped           1476         SS-Code         OctetString		
1471         3GPP2-MEID         OctetString           1472         Specific-APN-Info         Grouped           1473         LCS-Info         Grouped           1474         GMLC-Number         OctetString           1475         LCS-PrivacyException         Grouped           1476         SS-Code         OctetString	1470 PDP-Type	
1472         Specific-APN-Info         Grouped           1473         LCS-Info         Grouped           1474         GMLC-Number         OctetString           1475         LCS-PrivacyException         Grouped           1476         SS-Code         OctetString		
1473 LCS-Info         Grouped           1474 GMLC-Number         OctetString           1475 LCS-PrivacyException         Grouped           1476 SS-Code         OctetString		
1474GMLC-NumberOctetString1475LCS-PrivacyExceptionGrouped1476SS-CodeOctetString		
1475 LCS-PrivacyException Grouped 1476 SS-Code OctetString		
1476 SS-Code OctetString		
14// job-bialus Uctetotring		
	14// 100-0tatus	OctetString

4.470 No.45 To. 115 11	F	1
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 ServiceTypeIdentity	Unsigned32	
1485 MO-LR	Grouped	
1486 Teleservice-List	Grouped	
1487 TS-Code	Enumerated	
1488 Call-Barring-Info	Grouped	
1489 SGSN-Number	OctetString	
1490 IDR-Flags	Unsigned32	
1491 ICS-Indicator	Enumerated	
1492 IMS-Voice-Over-PS-Sessions-Supported	Enumerated	
1493 Homogeneous-Support-of-IMS-Voice-Over-PS-Sessions	Enumerated	
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	
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	
1007   1011 177 177 01 1		
1508 PPR-Flags	Unsigned32	
1508 PPR-Flags	Unsigned32 Grouped	
1509 WLAN-Identifier	Grouped	
1509 WLAN-Identifier 1510 TWAN-Access-Info	Grouped Grouped	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags	Grouped Grouped Unsigned32	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id	Grouped Grouped	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved	Grouped Grouped Unsigned32 Unsigned32 -	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved	Grouped Grouped Unsigned32 Unsigned32	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved	Grouped Grouped Unsigned32 Unsigned32	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name	Grouped Grouped Unsigned32 Unsigned32 OctetString	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString Unsigned32	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString Unsigned32 Enumerated	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString Unsigned32 Enumerated Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 Grouped	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 Grouped Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags 1530 TWAN-PCO	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32 OctetString	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags 1530 TWAN-PCO 1531 TWAG-CP-Address	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32 OctetString Address	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags 1530 TWAN-PCO 1531 TWAG-CP-Address 1532 TWAG-UP-Address	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32 OctetString Address UTF8String	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags 1530 TWAN-PCO 1531 TWAG-CP-Address 1532 TWAG-UP-Address 1533 TWAN-S2a-Failure-Cause	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32 OctetString Address UTF8String UTF8String	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags 1530 TWAN-PCO 1531 TWAG-CP-Address 1532 TWAG-UP-Address 1533 TWAN-S2a-Failure-Cause 1534 SM-Back-Off-Timer	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags 1530 TWAN-PCO 1531 TWAG-CP-Address 1533 TWAN-S2a-Failure-Cause 1534 SM-Back-Off-Timer 1535 WLCP-Key	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 OctetString Address UTF8String UTF8String Unsigned32 OctetString Address UTF8String Unsigned32 OctetString	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags 1530 TWAN-PCO 1531 TWAG-CP-Address 1533 TWAN-S2a-Failure-Cause 1534 SM-Back-Off-Timer 1535 WLCP-Key 318 3GPP-AAA-Server-Name	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32 OctetString Address UTF8String UTF8String Unsigned32 OctetString Address UTF8String Unsigned32 OctetString Unsigned32 OctetString Unsigned32 OctetString Unsigned32 OctetString Unsigned32 OctetString	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags 1530 TWAN-PCO 1531 TWAG-CP-Address 1533 TWAG-CP-Address 1533 TWAN-S2a-Failure-Cause 1534 SM-Back-Off-Timer 1535 WLCP-Key 318 3GPP-AAA-Server-Name 1536 Origination-Time-Stamp	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32 Unsigned32 OctetString Address UTF8String UTF8String OctetString Address UTF8String Unsigned32 OctetString Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned34	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1515 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags 1530 TWAN-PCO 1531 TWAG-CP-Address 1532 TWAG-UP-Address 1533 TWAN-S2a-Failure-Cause 1534 SM-Back-Off-Timer 1535 WLCP-Key 318 3GPP-AAA-Server-Name 1536 Origination-Time-Stamp 1537 Maximum-Wait-Time	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32 Unsigned32 OctetString Address UTF8String UTF8String Unsigned32 OctetString OctetString Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned34 Unsigned64 Unsigned64	29.273 [20]
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id 1513 Reserved 1514 Reserved 1515 Reserved 1516 Full-Network-Name 1517 Short-Network-Name 1518 AAA-Failure-Indication 1519 Transport-Access-Type 1520 DER-Flags 1521 DEA-Flags 1522 RAR-Flags 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info 1527 TWAN-Connection-Mode 1528 TWAN-Connectivity-Parameters 1529 Connectivity-Flags 1530 TWAN-PCO 1531 TWAG-CP-Address 1533 TWAN-S2a-Failure-Cause 1534 SM-Back-Off-Timer 1535 WLCP-Key 318 3GPP-AAA-Server-Name 1536 Origination-Time-Stamp	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String UTF8String Grouped Unsigned32 Grouped Unsigned32 Unsigned32 OctetString Address UTF8String UTF8String OctetString Address UTF8String Unsigned32 OctetString Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned34	29.273 [20]

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	
	·	

			,
	Event-Threshold-Event-1I	Integer32	
	Restoration-Priority	Unsigned32	
	SGs-MME-Identity	UTF8String	
	SIPTO-Local-Network-Permission	Unsigned32	
	Coupled-Node-Diameter-ID	DiameterIdentity	
	WLAN-offloadability	Grouped	
	WLAN-offloadability-EUTRAN	Unsigned32	
	WLAN-offloadability-UTRAN	Unsigned32	
1670 I	Reset-ID	OctetString	
	MDT-Allowed-PLMN-Id	OctetString	
1672	Adjacent-PLMNs	Grouped	
	Adjacent-Access-Restriction-Data	Grouped	
1674 I	DL-Buffering-Suggested-Packet-Count	Integer32	
	IMSI-Group-Id	Grouped	
	Group-Service-Id	Unsigned32	
	Group-PLMN-Id	OctetString	
	Local-Group-Id	OctetString	
	AIR-Flags	Unsigned32	
	UE-Usage-Type	Unsigned32	
	Non-IP-PDN-Type-Indicator	Enumerated	
	Non-IP-Data-Delivery-Mechanism	Unsigned32	
	Additional-Context-Identifier	Unsigned32	
	SCEF-Realm	DiameterIdentity	
	Reserved	- Diameteriucitity	
	Preferred-Data-Mode	Unsigned32	
	Reserved	- Unaignedaz	
	Reserved	-	
		-	
	Reserved The AVP codes from 1690 to 1699 are reserved for TS 29.272.	-	
	SMS-Information	Crounad	
		Grouped	
	Data-Coding-Scheme Destination-Interface	Integer32	
		Grouped	
	Interface-Id	UTF8String	
	Interface-Port	UTF8String	
	Interface-Text	UTF8String	
	Interface-Type	Enumerated	
	SM-Message-Type	Enumerated	
	Originating-SCCP-Address	Address	
	Originator-Interface	Grouped	
	Recipient-SCCP-Address	Address	
	Reply-Path-Requested	Enumerated	
	SM-Discharge-Time	Time	
	SM-Protocol-ID	OctetString	
	SM-Status	OctetString	
	SM-User-Data-Header	OctetString	
	SMS-Node	Enumerated	
	SMSC-Address	Address	32.299 [5]
	Client-Address	Address	02.200 [0]
	Number-of-Messages-Sent	Unsigned32	
	Low-Balance-Indication	Enumerated	
	Remaining-Balance	Grouped	
	Refund-Information	OctetString	
2023	Carrier-Select-Routing-Information	UTF8String	
	Number-Portability-Routing-Information	UTF8String	
2025 I	PoC-Event-Type	Enumerated	
	Recipient-Info	Grouped	
	Originator-Received-Address	Grouped	
	Recipient-Received-Address	Grouped	
	SM-Service-Type	Enumerated	
	MMTel-Information	Grouped	
	MMTel-Sservice-Type	Unsigned32	
	Service-Mode	Unsigned32	
	Subscriber-Role	Enumerated	
	Number-Of-Diversions	Unsigned32	
	Associated-Party-Address	UTF8String	
2000 /	10000iatou i aity /1001000	o i i ooning	

2036	SDP-Type	Enumerated	
	Change-Condition	Integer32	
	Change-Time	Time	
	Diagnostics	Integer32	
	Service-Data-Container	Grouped	
	Start-Time	Time	
2042	Stop-Time	Time	
2043	Time-First-Usage	Time	
2044	Time-Last-Usage	Time	
	Time-Usage	Unsigned32	
	Traffic-Data-Volumes	Grouped	
	Serving-Node-Type	Enumerated	
	Supplementary-Service	Grouped	
	Participant-Action-Type	Enumerated	
	PDN-Connection-Charging-ID	Unsigned32	
	Dynamic-Address-Flag	Enumerated	
	Accumulated-Cost	Grouped	
	AoC-Cost-Information	Grouped	
	AoC-Paguest-Type	Grouped	
	AoC-Request-Type Current-Tariff	Enumerated Grouped	
	Next-Tariff	Grouped	-
	Rate-Element	Grouped	
	Scale-Factor	Grouped	
	Tariff-Information	Grouped	
	Unit-Cost	Grouped	
	Incremental-Cost	Grouped	
	Local-Sequence-Number	Unsigned32	
	Node-Id	UTF8String	
	SGW-Change	Enumerated	
	Charging-Characteristic-Selection-Mode	Enumerated	
	SGW-Address	Address	
2068	Dynamic-Address-Flag-Extension	Enumerated	
	Dynamic-Address-Flag-Extension The AVP codes from 2069 to 2099 are reserved for TS 32.299.	Enumerated	
Note: 2100	The AVP codes from 2069 to 2099 are reserved for TS 32.299. reserved	-	
Note: 2100 2101	The AVP codes from 2069 to 2099 are reserved for TS 32.299. reserved Application-Server-ID	- UTF8String	
Note: 2100 2101 2102	The AVP codes from 2069 to 2099 are reserved for TS 32.299. reserved Application-Server-ID Application-Service-Type	- UTF8String Enumerated	
Note: 2100 2101 2102 2103	The AVP codes from 2069 to 2099 are reserved for TS 32.299. reserved Application-Server-ID Application-Service-Type Application-Session-ID	- UTF8String Enumerated Unsigned32	
Note: 2100 2101 2102 2103 2104	The AVP codes from 2069 to 2099 are reserved for TS 32.299. reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status	- UTF8String Enumerated	
Note: 2100 2101 2102 2103 2104 2105	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved	- UTF8String Enumerated Unsigned32	
Note: 2100 2101 2102 2103 2104 2105 2106	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved reserved	UTF8String Enumerated Unsigned32 UTF8String -	
Note: 2100 2101 2102 2103 2104 2105 2106 2107	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved reserved reserved	- UTF8String Enumerated Unsigned32	
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved	UTF8String Enumerated Unsigned32 UTF8String -	22 200 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved reserved reserved	UTF8String Enumerated Unsigned32 UTF8String	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information	UTF8String Enumerated Unsigned32 UTF8String Grouped	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded	UTF8String Enumerated Unsigned32 UTF8String Grouped Unsigned32	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2111 2112	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent	UTF8String Enumerated Unsigned32 UTF8String Grouped Unsigned32 Unsigned32 Unsigned32	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2111 2112 2113	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Exploded	UTF8String Enumerated Unsigned32 UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2110 2111 2112 2113 2114	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent	UTF8String Enumerated Unsigned32 UTF8String Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2110 2111 2112 2113 2114 2115	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent DCD-Information	- UTF8String Enumerated Unsigned32 UTF8String	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2110 2111 2112 2113 2114 2115 2116	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Sent DCD-Information Content-ID	- UTF8String Enumerated Unsigned32 UTF8String	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2110 2111 2112 2113 2114 2115 2116 2117	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-provider-ID	- UTF8String Enumerated Unsigned32 UTF8String	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2110 2111 2112 2113 2114 2115 2116 2117 2118	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-provider-ID Charge-Reason-Code	- UTF8String Enumerated Unsigned32 UTF8String	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2110 2111 2112 2113 2114 2115 2116 2117 2118 Note:	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-provider-ID	- UTF8String Enumerated Unsigned32 UTF8String	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2110 2111 2112 2113 2114 2115 2116 2117 2118 Note: 2200	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-provider-ID Charge-Reason-Code The AVP codes from 2119 to 2199 are reserved for TS 32.299.	- UTF8String Enumerated Unsigned32 UTF8String	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2110 2111 2112 2113 2114 2115 2116 2117 2118 Note: 2200 2201	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-provider-ID Charge-Reason-Code The AVP codes from 2119 to 2199 are reserved for TS 32.299. Subsession-Decision-Info	- UTF8String Enumerated Unsigned32 UTF8String	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2110 2111 2112 2113 2114 2115 2116 2117 2118 Note: 2200 2201 2202	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-provider-ID Charge-Reason-Code The AVP codes from 2119 to 2199 are reserved for TS 32.299. Subsession-Enforcement-Info	- UTF8String Enumerated Unsigned32 UTF8String	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2115 2116 2117 2118 Note: 2200 2201 2202 2203 2204	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-ID Content-provider-ID Charge-Reason-Code The AVP codes from 2119 to 2199 are reserved for TS 32.299. Subsession-Decision-Info Subsession-Id Subsession-Operation Multiple-BBERF-Action	UTF8String Enumerated Unsigned32 UTF8String  Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Grouped UTF8String UTF8String Enumerated  Grouped Grouped Grouped Grouped Unsigned32 Enumerated	32.299 [5]
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 Note: 2200 2201 2202 2203 2204 2205	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-ID Content-provider-ID Charge-Reason-Code The AVP codes from 2119 to 2199 are reserved for TS 32.299. Subsession-Decision-Info Subsession-Enforcement-Info Subsession-Operation Multiple-BBERF-Action UE-Local-IPv6-Prefix	UTF8String Enumerated Unsigned32 UTF8String  Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Enumerated Grouped UTF8String Enumerated Grouped Grouped Grouped Unsigned32 Enumerated	
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 Note: 2200 2201 2202 2203 2204 2205 2206	The AVP codes from 2069 to 2099 are reserved for TS 32.299.  reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-provider-ID Charge-Reason-Code The AVP codes from 2119 to 2199 are reserved for TS 32.299. Subsession-Decision-Info Subsession-Enforcement-Info Subsession-Operation Multiple-BBERF-Action UE-Local-IPv6-Prefix DRA-Deployment	UTF8String Enumerated Unsigned32 UTF8String  Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Enumerated UTF8String Enumerated Grouped UTF8String Enumerated Grouped Unsigned32 Enumerated	
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2111 2112 2113 2114 2115 2116 2117 2118 Note: 2200 2201 2202 2203 2204 2205 2207	The AVP codes from 2069 to 2099 are reserved for TS 32.299. reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-provider-ID Charge-Reason-Code The AVP codes from 2119 to 2199 are reserved for TS 32.299. Subsession-Decision-Info Subsession-Id Subsession-Operation Multiple-BBERF-Action UE-Local-IPv6-Prefix DRA-Deployment PCRF-Address	UTF8String Enumerated Unsigned32 UTF8String  Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Enumerated UTF8String UTF8String Enumerated Unsigned32 Enumerated UTF8String Enumerated	
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2111 2112 2113 2114 2115 2116 2117 2118 Note: 2200 2201 2202 2203 2204 2205 2206 2207 2208	The AVP codes from 2069 to 2099 are reserved for TS 32.299. reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-provider-ID Charge-Reason-Code The AVP codes from 2119 to 2199 are reserved for TS 32.299. Subsession-Decision-Info Subsession-Id Subsession-Operation Multiple-BBERF-Action UE-Local-IPv6-Prefix DRA-Deployment PCRF-Address DRA-Binding	UTF8String Enumerated Unsigned32 UTF8String  Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Enumerated UTF8String Enumerated Grouped UTF8String Enumerated Grouped Unsigned32 Enumerated	
Note: 2100 2101 2102 2103 2104 2105 2106 2107 2111 2112 2113 2114 2115 2116 2117 2118 Note: 2200 2201 2202 2203 2204 2205 2206 2207 2208 Note:	The AVP codes from 2069 to 2099 are reserved for TS 32.299. reserved Application-Server-ID Application-Service-Type Application-Session-ID Delivery-Status reserved reserved reserved reserved reserved IM-Information Number-Of-Messages-Successfully-Exploded Number-Of-Messages-Successfully-Sent Total-Number-Of-Messages-Exploded Total-Number-Of-Messages-Sent DCD-Information Content-ID Content-provider-ID Charge-Reason-Code The AVP codes from 2119 to 2199 are reserved for TS 32.299. Subsession-Decision-Info Subsession-Id Subsession-Operation Multiple-BBERF-Action UE-Local-IPv6-Prefix DRA-Deployment PCRF-Address	UTF8String Enumerated Unsigned32 UTF8String  Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Enumerated UTF8String UTF8String Enumerated Unsigned32 Enumerated UTF8String Enumerated	

OCCA OID De succet Time estados Francticos	11	
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	
2312 AoC-Service-Obligatory-Type	Grouped	
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	00 470 [05]
2406 Additional-Serving-Node	Grouped	29.173 [25]
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	
2510 Supported-GAD-Shapes	Unsigned32	
2511 LCS-Codeword	UTF8String	
2512 LCS-Privacy-Check	Enumerated	
2513 Accuracy-Fulfilment-Indicator	Enumerated	
2514 Age-Of-Location-Estimate	Unsigned32	29.172 [24]
2515 Velocity-Estimate	OctetString	
2516 EUTRAN-Positioning-Data	OctetString	
2517 ECGI	OctetString	
2518 Location-Event	Enumerated	
2519 Pseudonym-Indicator	Enumerated	
2520 LCS-Service-Type-ID	Unsigned32	
2521 LCS-Privacy-Check-Non-Session	Grouped	
2522 LCS-Privacy-Check-Session	Grouped	
2522 LCS-Privacy-Crieck-Session 2523 LCS-QoS-Class	Enumerated	
2523 LC5-Q05-Class 2524 GERAN-Positioning-Info		
	Grouped	
2525 GERAN-Positioning-Data	Grouped OctetString	
	Grouped	

2528 UTRAN-Positioning-Data	2529 LITRAN Positioning Data	OctotCtrin a	1
2331   LGS-Reforence-Number			
2331 LCS-Reference-Number			_
2532   Deferred-Location-Type			_
2533 Area Event-Info   Grouped   2534 Area Definition   Grouped   2535 Area   Grouped   2536 Area   Grouped   2537 Area Identification   Grouped   2538 Area   Grouped   2538 Area   Grouped   2539 Area   Grouped   2540 Periodic-LDR-Information   Grouped   2541 Reporting-Amount   Unsigned32   2542 Reporting-Interval   Unsigned32   2543 Reporting-PLMN-List   Grouped   2544 PLMN-DList   Grouped   2544 PLMN-DList   Grouped   2545 PLR-Flags   Unsigned32   2549 LR-Flags   Unsigned32   2549 Area   Grouped   2546 PLA-Flags   Unsigned32   2549 LR-Flags   Unsigned32   2549 IR-Flags   Unsigned32   2540 IR-Flags   Unsigned32   2541 IR-Flags   Unsigned32   2542 IR-Flags   Unsigned32   2543 IR-Flags   Unsigned32   2544 IR-Flags   Unsigned32   2545 IR-Flags   Unsigned32   2546 IR-Flags   Unsigned32   2547 IR-Flags   Unsigned32   2548 IR-Flags   Unsigned32   2549 IR-Flags   Unsigned32   2549 IR-Flags   Unsigned32   2540 IR-Flags   Unsigned32   2550 IR-Flags   Unsigned32			_
2534 Area-Definition			
2333 Ara			
2333 Area - Type			
2533   Courrence-info			
2539   Interval   Time			
1939   Interval-Time		Grouped	
2540   Periodic-LRR-Information   Grouped	2538 Occurrence-Info	Enumerated	
2541   Reporting-Amount	2539 Interval-Time	Unsigned32	
2541   Reporting-Amount	2540 Periodic-LDR-Information	Grouped	
2543   Reporting-Interval   Unsigned32   2543   Reporting-PLMN-List   Grouped   2544   PLMN-ID-List   Grouped   2545   PLR-Flags   Unsigned32   2546   PLA-Flags   Unsigned32   2547   Deferred-MT-LR-Data   Grouped   2548   Termiation-Cause   Unsigned32   2549   RA-Flags   Unsigned32   2549   RA-Flags   Unsigned32   2549   RA-Flags   Unsigned32   2549   PLRA-Flags   Unsigned32   2550   Periodic-Location-Support-Indicator   Enumerated   2550   Periodic-Location-Support-Indicator   Enumerated   2551   Pinoritized-List-Indicator   Enumerated   2552   ESML C-Cell-Info   Grouped   2553   Cell-Portion-ID   Unsigned32   2554   IXRTT-RCID   OcteString   2555   Cell-Portion-ID   Unsigned32   2556   Urs-Andress   UTF8String   2555   Delisyed-Location-Reporting-Data   Grouped   2556   Civic-Address   UTF8String   2557   Barometric-Pressure   Unsigned32   2558   UTRAN-Additional-Positioning-Data   OcteString   Note: The AVP codes from 2559 to 2599 are reserved for TS 29.172   2600   Ims-Application-Reference-Identifier   UTF8String   2601   IMS-Application-Reference-Identifier   UTF8String   2602   Low-Priority-Indicator   Enumerated   2603   IP-Realm-Default-Indicator   Enumerated   2604   Local-CW-Inserted-Indicator   Enumerated   2605   PDR-Address-Prefix-Length   Unsigned32   2700   Reserved   Unsigned32   2700   Reserved   Unsigned32   2701   Relationship-Mode   Enumerated   2702   Status-AS-Code   Enumerated   2703   NNI-Information   Grouped   2704   NNI-Information   Grouped   2705   Noighbour-Node-Address   Address   2706   Relationship-Mode   Enumerated   2707   Related-IMS-Charging-Identifier   UTF8String   2711   Related-IMS-Charging-Identifier   UTF8String   2712   Related-IMS-Charging-Identifier   UTF8String   2713   TAD-Identifier   UTF8String   2714   TWAN-User-Location-Info   Grouped   2715   Reserved   Fundamerated   2716   RSSID   UTF8String   2717   TAD-Identifier   UTF8String   2718   TAD-Identifier   UTF8String   2719   Tad-Identifier   UTF8String   2710   Tad-Identifier   UTF8String   2711   TAD-Iden	2541 Reporting-Amount		
2544   PLMN-ID-List   Grouped			
2544 PLMN-ID-List			
2546   PLR-Flags			
2546   PLA-Flags			
2548   Termination-Cause			_
2548   Iramination-Cause			_
2549   LRA-Flags			+
2550   Periodic-Location-Support-Indicator   Enumerated			_
2551   Prioritized-List-Indicator   Enumerated			_
2553   Cell-Portion-ID			_
2553   Cell-Portion-ID			4
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.   2600   Image: Pressure   UTF8String   2601   IMS-Application-Reference-Identifier   UTF8String   2602   Low-Priority-Indicator   Enumerated   2603   IP-Realm-Default-Indicator   Enumerated   2604   Local-GW-Inserted-Indicator   Enumerated   2605   Transcoder-Inserted-Indicator   Enumerated   2606   DP-Address-Prefix-Length   Unsigned32   2700   Reserved   Enumerated   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   Resest-Inserte-Information   Grouped   2708   Access-Transfer-Type   Enumerated   2709   Access-Transfer-Information   Grouped   2710   Access-Transfer-Information   Grouped   2711   Related-IMS-Charging-Identifier   UTF8String   2712   Related-IMS-Charging-Identifier   UTF8String   2713   TWAN-User-Location-Info   Grouped   2714   TWAN-User-Location-Info   Grouped   2715   Reserved   -   2716   Reserved   -   2717   TAD-Identifier   UTF8String   2718   Reserved   -   2719   Reserved   -   2710   Reserved   -   2711   Tab-Identifier   Enumerated   2712   Related-IMS-Charging-Identifier-Node   Address   2713   Reserved   -   2714   TWAN-User-Location-Info   Grouped   2715   Reserved   -   2716   Reserved   -   2717   TAD-Identifier   Enumerated   2718   Reserved   -   2719   Access-Transfer-Type   Enumerated   2710   Reserved   -   2711   TRAD-Identifier   Enumerated   2712   Related-IMS-Charging-Identifier-Node   Address   2713   Reserved   -   2714   TWAN-User-Location-Info   Grouped   2715   Reserved   -   2716   Reserved   -   2717   TAD-Identifier   Enumerated   2718   Reserved   -   2719   Access-Transfer-Type   Enumerated   2710   Transition-Inserved   Enumerated			
Delayed-Location-Reporting-Data			
2558   Barometric-Pressure			
2558   UTRAN-Additional-Positioning-Data   OctetString	2556 Civic-Address	UTF8String	
Note: The AVP codes from 2559 to 2599 are reserved for TS 29.172.	2557 Barometric-Pressure	Unsigned32	
Note: The AVP codes from 2559 to 2599 are reserved for TS 29.172.	2558 UTRAN-Additional-Positioning-Data	OctetString	
2600   reserved		<u> </u>	•
2601   IMS-Application-Reference-Identifier		-	
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           2707 Session-Direction         UTF8String           2709 Access-Transfer-Information         Grouped           2710 Access-Transfer-Information         Grouped           2711 Related-IMS-Charging-Identifier         UTF8String           2712 Related-IMS-Charging-Identifier         UTF8String           2713 Reserved         -           2714 TWAN-User-Location-Info         Grouped           2715 Reserved         -           2716 BSSID         UTF8String           2717 TAD-Identifier         Enumerated      <		UTF8String	
2603     P-Realm-Default-Indicator   Enumerated   South Color   Enumerated   Unsigned32   Enumerated   Unsigned32   Enumerated   Unsigned32   Enumerated   Enum			
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-Iol-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 Node         Address           2713 IMS-Visited-Network-Identifier         UTF8String           2715 Reserved         -           2716 BSSID         UTF8String           2717 TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.           2801 ADC-Revalidation-Time         T			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   2712   Related-IMS-Charging-Identifier   UTF8String   2713   IMS-Visited-Network-Identifier   UTF8String   2714   TWAN-User-Location-Info   Grouped   2715   Reserved   -   2716   BSSID   UTF8String   2717   TAD-Identifier   Enumerated   Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.   2800   Reserved   -   2801   ADC-Revalidation-Time   Time   2802   TDF-Application-Instance-Identifier   OctetString   2803   HeNB-BBF-FQDN   UTF8String   2804   HeNB-Local-IP-Address   Address			02.200 [0]
Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.			_
Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.			_
2700   Reserved   -		Unsignedsz	
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           2715         Reserved         -           2716         BSSID         UTF8String           2717         TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         2800         Reserved         -           2801         ADC-Revalidation-Time         Time         Time           2803         HeNB-BBF-FQDN         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-Node         Address           2713         IMS-Visited-Network-Identifier         UTF8String           2714         TWAN-User-Location-Info         Grouped           2715         Reserved         -           2716         BSSID         UTF8String           2717         TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         -           2800         Reserved         -           2801         ADC-Revalidation-Time         Time           2803         HeNB-BBF-FQDN		LITTOCtring	_
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-Node         Address           2713         IMS-Visited-Network-Identifier         UTF8String           2714         TWAN-User-Location-Info         Grouped           2715         Reserved         -           2716         BSSID         UTF8String           2717         TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         -           2801         ADC-Revalidation-Time         Time           2802         TDF-Application-Instance-Identifier         OctetString           2803         HeNB-BBF-FQDN         UTF8String           2804		<u> </u>	
2704   NNI-Type			
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 -Node         Address           2713         IMS-Visited-Network-Identifier         UTF8String           2714         TWAN-User-Location-Info         Grouped           2715         Reserved         -           2716         BSSID         UTF8String           2717         TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         -           2800         Reserved         -           2801         ADC-Revalidation-Time         Time           2802         TDF-Application-Instance-Identifier         OctetString           2803         HeNB-BBF-FQDN         UTF8String           2804         HeNB-Local-IP-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-Node         Address           2713 IMS-Visited-Network-Identifier         UTF8String           2714 TWAN-User-Location-Info         Grouped           2715 Reserved         -           2716 BSSID         UTF8String           2717 TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.           2800 Reserved         -           2801 ADC-Revalidation-Time         Time           2802 TDF-Application-Instance-Identifier         OctetString           2803 HeNB-BBF-FQDN         UTF8String           2804 HeNB-Local-IP-Address         Address			4
2707 Session-Direction         Enumerated           2708 From-Address         UTF8String           2709 Access-Transfer-Information         Grouped           2710 Access-Transfer-Type         Enumerated           2711 Related-IMS-Charging-Identifier         UTF8String           2712 Related-IMS-Charging-Identifier Node         Address           2713 IMS-Visited-Network-Identifier         UTF8String           2714 TWAN-User-Location-Info         Grouped           2715 Reserved         -           2716 BSSID         UTF8String           2717 TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.           2800 Reserved         -           2801 ADC-Revalidation-Time         Time           2802 TDF-Application-Instance-Identifier         OctetString           2803 HeNB-BBF-FQDN         UTF8String           2804 HeNB-Local-IP-Address         Address			_
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         UTF8String           2717 TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.           2800 Reserved         -           2801 ADC-Revalidation-Time         Time           2802 TDF-Application-Instance-Identifier         OctetString           2803 HeNB-BBF-FQDN         UTF8String           2804 HeNB-Local-IP-Address         Address			_
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         UTF8String           2717 TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         -           2800 Reserved         -           2801 ADC-Revalidation-Time         Time           2802 TDF-Application-Instance-Identifier         OctetString           2803 HeNB-BBF-FQDN         UTF8String           2804 HeNB-Local-IP-Address         Address			
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         UTF8String           2717 TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         -           2800 Reserved         -           2801 ADC-Revalidation-Time         Time           2802 TDF-Application-Instance-Identifier         OctetString           2803 HeNB-BBF-FQDN         UTF8String           2804 HeNB-Local-IP-Address         Address			32 299 [5]
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           2717         TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         -           2800         Reserved         -           2801         ADC-Revalidation-Time         Time           2802         TDF-Application-Instance-Identifier         OctetString           2803         HeNB-BBF-FQDN         UTF8String           2804         HeNB-Local-IP-Address         Address			JZ.233 [J]
2712       Related-IMS-Charging-Identifier-Node       Address         2713       IMS-Visited-Network-Identifier       UTF8String         2714       TWAN-User-Location-Info       Grouped         2715       Reserved       -         2716       BSSID       UTF8String         2717       TAD-Identifier       Enumerated         Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.       -         2800       Reserved       -         2801       ADC-Revalidation-Time       Time         2802       TDF-Application-Instance-Identifier       OctetString         2803       HeNB-BBF-FQDN       UTF8String         2804       HeNB-Local-IP-Address       Address		Enumerated	
2712       Related-IMS-Charging-Identifier-Node       Address         2713       IMS-Visited-Network-Identifier       UTF8String         2714       TWAN-User-Location-Info       Grouped         2715       Reserved       -         2716       BSSID       UTF8String         2717       TAD-Identifier       Enumerated         Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.       -         2800       Reserved       -         2801       ADC-Revalidation-Time       Time         2802       TDF-Application-Instance-Identifier       OctetString         2803       HeNB-BBF-FQDN       UTF8String         2804       HeNB-Local-IP-Address       Address	2711 Related-IMS-Charging-Identifier	UTF8String	
2713 IMS-Visited-Network-Identifier       UTF8String         2714 TWAN-User-Location-Info       Grouped         2715 Reserved       -         2716 BSSID       UTF8String         2717 TAD-Identifier       Enumerated         Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         2800 Reserved       -         2801 ADC-Revalidation-Time       Time         2802 TDF-Application-Instance-Identifier       OctetString         2803 HeNB-BBF-FQDN       UTF8String         2804 HeNB-Local-IP-Address       Address			
2714 TWAN-User-Location-Info         Grouped           2715 Reserved         -           2716 BSSID         UTF8String           2717 TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         -           2800 Reserved         -           2801 ADC-Revalidation-Time         Time           2802 TDF-Application-Instance-Identifier         OctetString           2803 HeNB-BBF-FQDN         UTF8String           2804 HeNB-Local-IP-Address         Address			
2715 Reserved       -         2716 BSSID       UTF8String         2717 TAD-Identifier       Enumerated         Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         2800 Reserved       -         2801 ADC-Revalidation-Time       Time         2802 TDF-Application-Instance-Identifier       OctetString         2803 HeNB-BBF-FQDN       UTF8String         2804 HeNB-Local-IP-Address       Address			1
2716         BSSID         UTF8String           2717         TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         -           2800         Reserved         -           2801         ADC-Revalidation-Time         Time           2802         TDF-Application-Instance-Identifier         OctetString           2803         HeNB-BBF-FQDN         UTF8String           2804         HeNB-Local-IP-Address         Address			1
2717         TAD-Identifier         Enumerated           Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.         -           2800         Reserved         -           2801         ADC-Revalidation-Time         Time           2802         TDF-Application-Instance-Identifier         OctetString           2803         HeNB-BBF-FQDN         UTF8String           2804         HeNB-Local-IP-Address         Address		UTF8String	
Note: The AVP codes from 2718 to 2799 are reserved for TS 32.299.           2800 Reserved         -           2801 ADC-Revalidation-Time         Time           2802 TDF-Application-Instance-Identifier         OctetString           2803 HeNB-BBF-FQDN         UTF8String           2804 HeNB-Local-IP-Address         Address			
2800 Reserved         -           2801 ADC-Revalidation-Time         Time           2802 TDF-Application-Instance-Identifier         OctetString           2803 HeNB-BBF-FQDN         UTF8String           2804 HeNB-Local-IP-Address         Address			I
2801 ADC-Revalidation-TimeTime2802 TDF-Application-Instance-IdentifierOctetString2803 HeNB-BBF-FQDNUTF8String2804 HeNB-Local-IP-AddressAddress		_	
2802 TDF-Application-Instance-IdentifierOctetString2803 HeNB-BBF-FQDNUTF8String2804 HeNB-Local-IP-AddressAddress		Time	
2803 HeNB-BBF-FQDN UTF8String 2804 HeNB-Local-IP-Address Address			-
2804 HeNB-Local-IP-Address Address			29.212 [19]
			-
Address   Address			_
	Z8UD JUE-LOCAI-IP-Address	Address	

2006   IDP-Source-Port	2006 LIDD Course Port	Linaigna d22	
2909   Muter-Notification			-
2809   Muter-Notification		ž	-
2810   Monitoring-Time			-
2811   AN-GW-Status			-
2812   User-Location-Info-Time		_	-
2813 (S.SService-Resource-Report			-
2814   CS-Service-Resource-Failure-Cause			-
2815   CS-Senvice-Resource-Result-Operation			-
2816   Default-QoS-Information			-
2817   Default-QoS-Name			-
2819   RANN-AS-Release-Cause   OctetString			-
2819   RAN-NAS-Release-Cause			
2820   Presence-Reporting-Area-Ielements-List   OctetString   2821   Presence-Reporting-Area-Information   Grouped   2822   Presence-Reporting-Area-Information   Grouped   2823   Presence-Reporting-Area-Information   Grouped   2824   NetLoc-Access-Support   Unsigned32   2825   Fixed-User-Location-Info   Grouped   2826   PCSCP-Restoration-Indication   Unsigned32   2826   PCSCP-Restoration-Indication   Unsigned32   2827   IP-CANI-Session-Charging-Scope   Enumerated   2828   Monitoring-Flags   Unsigned32   2829   Default-Access   Enumerated   2821   NBIFOM-Mode   Enumerated   2831   NBIFOM-Support   Unsigned32   2832   NBIFOM-Support   Unsigned32   2833   Access-Availability-Change-Reason   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   2844   Removal-Of-Access   Enumerated   2845   Request-Type   Unsigned32   2890   Policy-Counter-Status   Unsigned32   2891   Policy-Counter-Status-Report   Grouped   2902   Policy-Counter-Status-Report   Grouped   2903   Policy-Counter-Status-Report   Grouped   2904   SL-Request-Type   Enumerated   2905   Policy-Counter-Status-Report   Grouped   2906   Policy-Counter-Status-Report   Grouped   2907   Policy-Counter-Status-Report   Grouped   2908   Policy-Counter-Status-Report   Grouped   2909   Policy-Counter-Status-Report   Grouped   2901   Policy-Counter-Status-Report   Grouped   2902   Policy-Counter-Status-Report   Grouped   2903   Policy-Counter-Status-Report   Grouped   2904   SL-Request-Type   Grouped   2905   Policy-Counter-Status-Report   Grouped   2906   Policy-Counter-Status-Report   Grouped   2907   Policy-Counter-Status-Report   Grouped   2908   Policy-Count			
Presence-Reporting-Area-Information			
2822   Presence-Reporting-Area-Information			
2823   Presence-Reporting-Area-Status			
Net.or-Access-Support			
2825   Fixed-User-Location-Info   Grouped			
PCSCF-Restoration-Indication		•	
2828   Monitoring-Flags			
Default-Access			
BIFOM-Mode			_
BBIFOM-Support			_
2832   RAN-Rule-Support			
2833   Access-Availability-Change-Reason		Enumerated	
Routing-Rule-Failure-Code		Unsigned32	
Routing-Rule-Report   Grouped			
Traffic-Steering-Policy-Identifier-DL		Unsigned32	
Request-Type	2835 Routing-Rule-Report	Grouped	
Request-Type	2836 Traffic-Steering-Policy-Identifier-DL	OctetString	
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   -	2837 Traffic-Steering-Policy-Identifier-UL	OctetString	
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 I reserved         -           2901 Policy-Counter-Identifier         Grouped           2902 Policy-Counter-Status         UTF8String           2903 Policy-Counter-Status-Report         Grouped           2904 SL-Request-Type         Enumerated           Note: The AVP codes from 2905 to 2999 are reserved for TS 29.219.         -           3001 Device-Action         Grouped           3002 Policy-Counter-Status-Report         Grouped           3001 Device-Action         Grouped           3001 Device-Action         Grouped           3002 Policy-Counter-Status-Report         Grouped           3003 Trigger-Data         Grouped           3004 Payload         OctetString           3005 Action-Type         Enumerated           3006 Priority-Indication         Enumerated           3007 Reference-Number         Unsigned32           3010 Application-Port-Identifier         Unsigned32           3011 Old-Reference-Number	2838 Request-Type	Unsigned32	
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         UTF8String           2903 Policy-Counter-Status-Report         Grouped           2904 SL-Request-Type         Enumerated           Note: The AVP codes from 2905 to 2999 are reserved for TS 29.219.         Enumerated           3000 reserved         -           3001 bevice-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           3010 Application-Port-Identifier         Unsigned32           3011 Old-Reference-Number         Unsigned32           3012 Feature-Supported-In-Final-Target <td< td=""><td></td><td></td><td></td></td<>			
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         UTF8String           2903 Policy-Counter-Status-Report         Grouped           2904 SL-Request-Type         Enumerated           Note: The AVP codes from 2905 to 2999 are reserved for TS 29.219.         Enumerated           3000 reserved         -           3001 bevice-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           3010 Application-Port-Identifier         Unsigned32           3011 Old-Reference-Number         Unsigned32           3012 Feature-Supported-In-Final-Target <td< td=""><td></td><td></td><td></td></td<>			
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 I reserved         -           2901 Policy-Counter-Identifier         Grouped           2902 Policy-Counter-Status         UTF8String           2903 Policy-Counter-Status-Report         Grouped           2904 SL-Request-Type         Enumerated           Note: The AVP codes from 2905 to 2999 are reserved for TS 29.219.         -           3000 I pevice-Action         Grouped           3001 Device-Notification         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           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 reserv			
2843   TCP-Source-Port   Unsigned32	2842 Removal-Of-Access		
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   29.219 [26]   2903   Policy-Counter-Status-Report   Grouped   2904   SL-Request-Type   Enumerated   29.368 [27]   Enumerated   Enu			·
Policy-Counter-Identifier		-	
2902   Policy-Counter-Status   UTF8String   29.219 [26]		Grouped	
2903   Policy-Counter-Status-Report   Grouped			29,219 [26]
2904   SL-Request-Type   Enumerated		Ŭ	
Note: The AVP codes from 2905 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           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.           3100 IP-SM-GW-Number         OctetString           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString			1
3000   reserved   -	Note: The AVP codes from 2905 to 2999 are reserved for TS 29 219		I
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           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.         3100 IP-SM-GW-Number           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString		_	
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           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.         3100 IP-SM-GW-Number         OctetString           3101         IP-SM-GW-Name         DiameterIdentity           3102         User-Identifier         Grouped           3103         Service-ID         Enumerated           3104         SCS-Identity         OctetString		Grouped	1
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           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.         3100 IP-SM-GW-Number         OctetString           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString			1
3004 Payload         OctetString           3005 Action-Type         Enumerated           3006 Priority-Indication         Enumerated           3007 Reference-Number         Unsigned32           3008 Request-Status         Enumerated           3009 Delivery-Outcome         Enumerated           3010 Application-Port-Identifier         Unsigned32           3011 Old-Reference-Number         Unsigned32           3012 Feature-Supported-In-Final-Target         Unsigned32           Note: The AVP codes from 3013 to 3099 are reserved for TS 29.368.         OctetString           3100 IP-SM-GW-Number         OctetString           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString			1
3005 Action-Type         Enumerated           3006 Priority-Indication         Enumerated           3007 Reference-Number         Unsigned32           3008 Request-Status         Enumerated           3009 Delivery-Outcome         Enumerated           3010 Application-Port-Identifier         Unsigned32           3011 Old-Reference-Number         Unsigned32           3012 Feature-Supported-In-Final-Target         Unsigned32           Note: The AVP codes from 3013 to 3099 are reserved for TS 29.368.         OctetString           3100 IP-SM-GW-Number         OctetString           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString			1
3006         Priority-Indication         Enumerated           3007         Reference-Number         Unsigned32           3008         Request-Status         Enumerated           3009         Delivery-Outcome         Enumerated           3010         Application-Port-Identifier         Unsigned32           3011         Old-Reference-Number         Unsigned32           3012         Feature-Supported-In-Final-Target         Unsigned32           Note: The AVP codes from 3013 to 3099 are reserved for TS 29.368.         OctetString           3100         IP-SM-GW-Number         OctetString           3101         IP-SM-GW-Name         DiameterIdentity           3102         User-Identifier         Grouped           3103         Service-ID         Enumerated           3104         SCS-Identity         OctetString		ŭ	1
3007         Reference-Number         Unsigned32           3008         Request-Status         Enumerated           3009         Delivery-Outcome         Enumerated           3010         Application-Port-Identifier         Unsigned32           3011         Old-Reference-Number         Unsigned32           3012         Feature-Supported-In-Final-Target         Unsigned32           Note: The AVP codes from 3013 to 3099 are reserved for TS 29.368.         OctetString           3100         IP-SM-GW-Number         OctetString           3101         IP-SM-GW-Name         DiameterIdentity           3102         User-Identifier         Grouped           3103         Service-ID         Enumerated           3104         SCS-Identity         OctetString			20 262 [27]
3008 Request-Status         Enumerated           3009 Delivery-Outcome         Enumerated           3010 Application-Port-Identifier         Unsigned32           3011 Old-Reference-Number         Unsigned32           3012 Feature-Supported-In-Final-Target         Unsigned32           Note: The AVP codes from 3013 to 3099 are reserved for TS 29.368.         OctetString           3100 IP-SM-GW-Number         OctetString           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString			23.300 [21]
3009 Delivery-Outcome         Enumerated           3010 Application-Port-Identifier         Unsigned32           3011 Old-Reference-Number         Unsigned32           3012 Feature-Supported-In-Final-Target         Unsigned32           Note: The AVP codes from 3013 to 3099 are reserved for TS 29.368.         OctetString           3100 IP-SM-GW-Number         OctetString           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString			1
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.         OctetString           3100 IP-SM-GW-Number         OiameterIdentity           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString			-
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.           3100 IP-SM-GW-Number         OctetString           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString			-
3012         Feature-Supported-In-Final-Target         Unsigned32           Note: The AVP codes from 3013 to 3099 are reserved for TS 29.368.         3100 IP-SM-GW-Number         OctetString           3101         IP-SM-GW-Name         DiameterIdentity           3102         User-Identifier         Grouped           3103         Service-ID         Enumerated           3104         SCS-Identity         OctetString			-
Note: The AVP codes from 3013 to 3099 are reserved for TS 29.368.           3100 IP-SM-GW-Number         OctetString           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString			-
3100 IP-SM-GW-Number         OctetString           3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString		l Unsigned32	
3101 IP-SM-GW-Name         DiameterIdentity           3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString		0-1-101.	<u> </u>
3102 User-Identifier         Grouped           3103 Service-ID         Enumerated           3104 SCS-Identity         OctetString			-
3103 Service-ID Enumerated 3104 SCS-Identity OctetString			
3104 SCS-Identity CtetString			29,336 [28]
3105 Service-Parameters Grouped			
	3105   Service-Parameters	Grouped	

3106 T4-Parameters	Grouped	
3107   Service-Data	Grouped	
3108 T4-Data	Grouped	
3109 HSS-Cause	Unsigned32	
3110 SIR-Flags	Unsigned32	
3111 External-Identifier	UTF8String	
3112 IP-SM-GW-Realm	DiameterIdentity	
3113 AESE-Communication-Pattern	Grouped	
3114 Communication-Pattern-Set	Grouped	
3115 Periodic-Communication-Indicator	Unsigned32	
3116 Communication-Duration-Time	Unsigned32	
3117 Periodic-Time	<u> </u>	
3118 Scheduled-Communication-Time	Unsigned32	
	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	
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.	g <b>-</b>	
3200 SM-Delivery-Outcome-T4	Enumerated	
3201 Absent-Subscriber-Diagnostic-T4	Enumerated	
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.	5g/1040L	
3300 SC-Address	OctetString	
3301 SM-RP-UI	OctetString	
3302 TFR-Flags	Unsigned32	
3303 SM-Delivery- Failure-Cause	Grouped	
3304 SM-Enumerated-Delivery-Failure-Cause	Enumerated	
3305 SM-Diagnostic-Info	OctetString	29.338 [30]
3306 SM-Delivery-Timer	Unsigned32	
3307 SM-Delivery-Start-Time	Time	
3308 SM-RP-MTI	Enumerated	
3309 SM-RP-SMEA	OctetString	
OOOO  OWENT -OWLA	Octerounty	

3310 SRR-Flags	Unsigned32	
3311 SM-Delivery-Not-Intended	Enumerated	
3312 MWD-Status	Unsigned32	
3313 MME-Absent-User-Subscriber-Diagnostic-SM	Unsigned32	
3314 MSC-Absent-User-Subscriber-Diagnostic-SM	Unsigned32	
3315 SGSN-Absent-User-Subscriber-Diagnostic SM	Unsigned32	
3316 SM-Delivery-Outcome	Grouped	
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	
3322 Absent-User-Diagnostic-SM	Unsigned32	
3323 RDR-Flags	Unsigned32	
3324 SMSMI-Correlation-ID		
	Unsigned32	
3325 HSS-ID	UTF8String	
3326 Originating-SIP-URI	UTF8String	
3327 Destination-SIP-URI	UTF8String	
3328 OFR-Flags	Unsigned32	
3329 Maximum-UE-Availability-Time	Time	
3330 Maximum-Retransmission-Time	Time	
3331 Requested-Retransmission-Time	Time	
3332 SMS-GMSC-Address	OctetString	
3333 SMS-GMSC-Alert-Event	Unsigned32	
Note: The AVP codes from 3334 to 3399 are reserved for TS 29.338.	<u>-</u>	
3400 reserved	-	
3401 Reason-Header	UTF8String	
3402 Instance-Id	UTF8String	
3403 Route-Header-Received	UTF8String	
3404 Route-Header-Transmitted	UTF8String	
3405 SM-Device-Trigger-Information	Grouped	
3406 MTC-IWF-Address	Address	
3407 SM-Device-Trigger-Indicator		
	Enumerated	
3408 SM-Sequence-Number	Unsigned32	
3409 SMS-Result	Unsigned32	
3410 VCS-Information	Grouped	
3411 Basic-Service-Code	Grouped	
3412 Bearer-Capability	OctetString	
3413 Teleservice	OctetString	
3414 ISUP-Location-Number	OctetString	
3415 Forwarding-Pending	Enumerated	
3416 ISUP-Release-Cause	Unsigned32	
3417 MSC-Address	OctetString	
3418 Network-Call-Reference-Number	OctetString	
3419 Start-of-Charging	Time	00.000 [=]
3420 VLR-Number	OctetString	32.299 [5]
3421 CN-Operator-Selection-Entity	Enumerated	
3422 ISUP-Cause-Diagnostics	OctetString	
3423 ISUP-Cause-Location	Unsigned32	
3424 ISUP-Cause-Value	Unsigned32	
3425 EPDG-Address	Address	
3426 Announcing-UE-HPLMN-Identifier	UTF8String	
3427 Announcing-UE-VPLMN-Identifier	UTF8String	
3428 Coverage-Status	Enumerated	
3429 Layer-2-Group-ID	OctetString	
3430 Monitored-PLMN-Identifier	UTF8String	
3431 Monitoring-UE-HPLMN-Identifier	UTF8String	
3432 Monitoring-UE-Identifier	UTF8String	
3433 Monitoring-UE-VPLMN-Identifier	UTF8String	
3434 ProSe-PC3-Control-Protocol-Cause	Integer32	
3435 ProSe-PC3-EPC-Control-Protocol-Cause	Integer32	
3436 Requested-PLMN-Identifier	UTF8String	
3437 Requestor-PLMN-Identifier	UTF8String	
3438 Role-Of-ProSe-Function	Enumerated	
3439 Usage-Information-Report-Sequence-Number	Integer32	
I I		

2440 DroCo 2rd Darty Application ID	LITEOCtrina	
3440 ProSe-3rd-Party-Application-ID 3441 ProSe-Direct-Communication-Transmission-Data-Container	UTF8String 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	
	Time	
3450 ProSe-Request-Timestamp		
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	00 400 [04]
3509 TMGI-Allocation-Request	Grouped	29.468 [31]
3510 TMGI-Allocation-Response	Grouped	
3511 TMGI-Allocation-Result	Unsigned32	
3512 TMGI-Deallocation-Request	Grouped	
3513 TMGI-Deallocation-Response	Grouped	1
3514 TMGI-Deallocation-Result	Unsigned32	1
3515 TMGI-Expiry	Grouped	1
3516 TMGI-Number	Unsigned32	
3517 MB2U-Security	Unsigned32	
Note: The AVP codes from 3518 to 3599 are reserved for TS 29.468.	- >-g <b></b>	1
3600 Origin-App-Layer-User-Id	UTF8String	
3601 Target-App-Layer-User-Id	UTF8String	1
3602 ProSe-Function-ID	OctetString	
3603 ProSe-Request-Type	Unsigned32	
3604 PDUID	OctetString	
3605 Application-Data	UTF8String	
3606 Allowed-Suffixes-Number	Unsigned32	29.343 [32]
3607 Monitor-Target	Grouped	29.040 [32]
3608 ProSe-Code-Suffix-Mask	Grouped	1
3609 Suffix-Code	OctetString	1
3610 Suffix-Mask	OototCtring	
3611 Banned-User-Target	OctetString	
12612 Metadata Indicator	Grouped	
3612 Metadata-Indicator		
Note: The AVP codes from 3613 to 3699 are reserved for TS 29.343.	Grouped Unsigned32	
	Grouped	29.344 [33]

	ProSe-Allowed-PLMN	Grouped	
	ProSe-Direct-Allowed	Unsigned32	
	UPR-Flags	Unsigned32	
	PNR-Flags	Unsigned32	
	ProSe-Initial-Location-Information	Grouped	
	Authorized-Discovery-Range The AVP codes from 3709 to 3799 are reserved for TS 29.344.	Unsigned32	
	Reserved		
	App-Layer-User-Id	UTF8String	
	Assistance-info	Grouped	
	Assistance-Info-Validity-Timer	Unsigned32	
	Discovery-Type	Unsigned32	
	Filter-Id	OctetString	
	MAC-Address	UTF8String	
	Match-Report	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	
3815	ProSe-Validity-Timer	Unsigned32	
	Requesting-EPUID	UTF8String	
	Targeted-EPUID	UTF8String	
	Time-Window	Unsigned32	
	WiFi-P2P-Assistance-Info	Grouped	
	WLAN-Assistance-Info	Grouped	
	WLAN-Link-Layer-Id	OctetString	
	WLAN-Link-Layer-Id-List	Grouped	
	Location-Update-Trigger	Grouped	
	Location-Update-Event-Type	Unsigned32	
	Change-Of-Area-Type	Grouped	
	Location-Update-Event-Trigger	Unsigned32	
	Report-Cardinality Minimum-Interval-Time	Enumerated Unsigned32	
	Periodic-Location-Type	Grouped	29.345 [34]
	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 App-Identifier	Grouped	
	OS-ID	OctetString	
	OS-App-ID	UTF8String	
3843	Requesting-RPAUID	UTF8String	
3844	Target-RPAUID	UTF8String	
	Target-PDUID	OctetString	
	ProSe-Restricted-Code	OctetString	
	ProSe-Restricted-Code-Suffix-Range	OctetString	
	Beginning-Suffix	OctetString	
	Ending-Suffix	OctetString	
	Discovery-Entry-ID	Unsigned32	
	Match-Timestamp	Time	
	PMR-Flags	Unsigned32	
	ProSe-Application-Metadata	UTF8String	
	Discovery-Auth-Request	Grouped	
	Discovery-Auth-Response	Grouped	
	Match-Request	Grouped	
1.385/	Match-Report-Info	Grouped	

0075	D. LDDAUID	LITECO: 1	
	Banned-RPAUID	UTF8String	
	Banned-PDUID	OctetString	
	Code-Receiving-Security-Material	Grouped	
	Code-Sending-Security-Material	Grouped	
	DUSK	OctetString	
	DUIK	OctetString	
	DUCK MIC-Check-indicator	OctetString	
		Unsigned32	
	Encrypted-Bitmask ProSe-App-Code-Suffix-Range	OctetString OctetString	
	The AVP codes from 3868 to 3899 are reserved for TS 29.345.	Octerstring	
	Reserved		
	Enhanced-Diagnostics	Grouped	
	Inter-UE-Transfer	Enumerated	
	TWAG-Address	Address	
	Announcement-Information	Grouped	
	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	
3917	Called-Identity-Change	Grouped	
3918	UWAN-User-Location-Info	Grouped	
3919	Monitoring-Event-Configuration-Activity	Integer32	
3920	Monitoring-Event-Report-Data	Grouped	
3921	Monitoring-Event-Information	Grouped	32.299 [5]
	Monitoring-Event-Functionality	Integer32	
	Monitoring-Event-Report-Number	Unsigned32	
	Cellular-Network-Information	OctetString	
	Related-Change-Condition-Information	Grouped	
	Related-Trigger	Grouped	
	CPDT-Information	Grouped	
	NIDD-Submission	Grouped	
	Serving-Node-Identity	DiameterIdentity	
	CP-CloT-EPS-Optimisation-Indicator	Enumerated	
	SGi-PtP-Tunnelling-Method	Enumerated	
	UNI-PDU-CP-Only-Flag	Enumerated	
	APN Pote Control Downlink	Grouped	
	APN-Rate-Control-Downlink APN-Rate-Control-Uplink	Grouped Grouped	
	APN-Rate-Control-Uplink Additional-Exception-Reports	Enumerated Enumerated	
	Rate-Control-Max-Message-Size	Unsigned32	
	Rate-Control-Max-Niessage-Size 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.	Diamotoriacitity	
	Aggregated-Congestion-Info	Grouped	
	Aggregated-RUCI-Report	Grouped	
	Congestion-Level-Definition	Grouped	
	Congestion-Level-Range	Unsigned32	
	Congestion-Level-Set-Id	Unsigned32	00 047 (07)
	Congestion-Level-Value	Unsigned32	29.217 [35]
	Congestion-Location-Id	Grouped	
	Conditional-Restriction	Unsigned32	
	eNodeB-Id	OctetString	
	IMSI-List	OctetString	

4010 RCAF-Id	DiameterIdentity	
4011 Reporting-Restriction	Unsigned32	1
4012 RUCI-Action	Unsigned32	1
Note: The AVP codes from 4013 to 4099 are reserved for TS 29.217.		•
4101 Network-Congestion-Area-Report	Grouped	29.153 [37]
4102 Ns-Request-Type	Unsigned32	
Note: The AVP codes from 4103 to 4199 are reserved for TS 29.153.		•
4201 Network-Area-Info-List	OctetString	
4202 Reference-Id	OctetString	1
4203 Transfer-Request-Type	Unsigned32	1
4204 Time-Window	Grouped	
4205 Transfer-End-Time	Time	29.154 [38]
4206 Transfer-Start-Time	Time	
4207 Transfer-Policy	Grouped	
4208 Transfer-Policy-Id	Unsigned32	1
4209 Number-Of-UEs	Unsigned32	1
Note: The AVP codes from 4210 to 4299 are reserved for TS 29.154.	Onling needs2	l.
4300 Communication-Failure-Information	Grouped	
4301 Cause-Type	Unsigned32	1
4302 S1AP-Cause	Unsigned32	1
4303 RANAP-Cause	Unsigned32	-
4304 GMM-Cause	Unsigned32	-
4305 SM-Cause	Unsigned32	-
4306 Number-of-UE-Per-Location-Configuration	Grouped	-
4307 Number-of-UE-Per-Location-Configuration	Grouped	1
4308 UE-Count	Unsigned32	+
4309 BSSGP-Cause	Unsigned32	+
4310 Serving-PLMN-Rate-Control	Grouped	20 420 [26]
	Unsigned32	29.128 [36]
4311 Uplink-Rate-Limit 4312 Downlink-Rate-Limit		_
4313 Extended-PCO	Unsigned32	_
	OctetString	-
4314 Connection-Action	Unsigned32	-
4315 Non-IP-Data	OctetString	_
4316 SCEF-Wait-Time	Time	-
4317 CMR-Flags	Unsigned32	1
4318 RRC-Cause-Counter	Grouped	
4319 Counter-Value	Unsigned32	
4320 RRC-Counter-Timestamp	Time	
Note: The AVP codes from 4321 to 4399 are reserved for TS 29.128.	1====	T
4500 MCPTT-ID	UTF8String	ĺ
4501 Data-Identification	Grouped	4
4502 Data-Identification-Prefix	Unsigned32	4
4503 Data-Identification-Flags	Unsigned64	4
4504 DPR-Flags	Unsigned32	
4505 DPA-Flags	Unsigned32	]
4506 DUR-Flags	Unsigned32	29.283 [39]
4507 DUA-Flags	Unsigned32	
4508 NDR-Flags	Unsigned32	
4509 NDA-Flags	Unsigned32	
4510 User-Data-Id	Unsigned32	
4511 MC-Service-User-Profile-Data	Grouped	]
4512 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 text	Specified in the TS						
Result Code								
2001	DIAMETER_FIRST_REGISTRATION							
2002	DIAMETER_SUBSEQUENT_REGISTRATION							
2003	DIAMETER_UNREGISTERED_SERVICE	29.229 [2]						
2004	DIAMETER_SUCCESS_SERVER_NAME_NOT_STORED							
2005	Deprecated value							
Note: The Experim	ental Result Codes from 2006 to 2020 are reserved for the TS 29.229.							
2021	2021 DIAMETER_PDP_CONTEXT_DELETION_INDICATION 29.061 [13]							
Note: The Experimental Result Codes from 2022 to 2040 are reserved for the TS 29.061								
	29.109 [7]							
Note: The 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

Experin Result		Result text		Specified in the TS		
410	00		29.329 [4]			
4101		DIAMETER_PRIOR_UPDATE_IN_PROGRESS				
Note: The		ntal Result Codes from 4102 to 4120 are reserved for the TS 2	9.329.			
412		DIAMETER_ERROR_OUT_OF_RESOURCES		29.061 [13]		
Note: The		ntal Result Codes from 4122 to 4140 are reserved for the TS 2	9.061.			
414		DIAMETER_PCC_BEARER_EVENT				
414	12	DIAMETER_BEARER_EVENT		29.212 [19]		
414	-	DIAMETER_AN_GW_FAILED		29.212[19]		
414		DIAMETER_PENDING_TRANSACTION				
Note: The	Experime	ntal Result Codes from 4145 to 4160 are reserved for the TS 2	9.212			
				32.299 [5]		
		ntal Result Codes from 4161 to 4180 are reserved for the TS 3	2.299.			
		R_AUTHENTICATION_DATA_UNAVAILABLE		29.272 [21]		
		ER_ERROR_CAMEL_SUBSCRIPTION_PRESENT	,	20.272 [21]		
		t Codes from 4182 to 4200 are reserved for the TS 29.272.	1			
		ER_ERROR_ABSENT_USER		29.173 [25]		
		t Codes from 4202 to 4220 are reserved for the TS 29.173.	1			
		ER_ERROR_UNREACHABLE_USER				
		ER_ERROR_SUSPENDED_USER				
		ER_ERROR_DETACHED_USER		29.172 [24]		
		ER_ERROR_POSITIONING_DENIED		20.172 [2 1]		
	4225 DIAMETER_ERROR_POSITIONING_FAILED					
4226 DIAMETER_ERROR_UNKNOWN_UNREACHABLE LCS_CLIENT						
		t Codes from 4227 to 4240 are reserved for the TS 29.172.	1			
		ER_ERROR_NO_AVAILABLE_POLICY_COUNTERS		29.219 [26]		
		t Codes from 4242 to 4260 are reserved for the TS 29.219.	ı			
4261	REQUES	TED_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	32.299.
5041	DIAMETER_ERROR_USER_NO_WLAN_SUBSCRIPTION	
5042	DIAMETER_ERROR_W-APN_UNUSED_BY_USER	
5043	DIAMETER_ERROR_NO_ACCESS_INDEPENDENT_SUBSC RIPTION	29.234 [6]
5044	DIAMETER_ERROR_USER_NO_W-APN_SUBSCRIPTION	
5045	DIAMETER_ERROR_UNSUITABLE_NETWORK	
	erimental Result Codes from 5046 to 5060 are reserved for the TS	S 29.234.
5061	INVALID SERVICE INFORMATION	
5062	FILTER_RESTRICTIONS	
5063	REQUESTED_SERVICE_NOT_AUTHORIZED	
5064	DUPLICATED_AF_SESSION	29.209 [8],
5065	IP-CAN_SESSION_NOT_AVAILABLE	29.211 [17] ,
5066	UNAUTHORIZED_NON_EMERGENCY_SESSION	29.214 [18]
5067	UNAUTHORIZED_SPONSORED_DATA_CONNECTIVITY	
5068	TEMPORARY_NETWORK_FAILURE	
Note: The Expe	rimental Result Codes from 5069 to 5080 are reserved for TS 29	.209, TS 29.211
	TS 29.214.	
5100	DIAMETER_ERROR_USER_DATA_NOT_RECOGNIZED	
5101	DIAMETER_ERROR_OPERATION_NOT_ALLOWED	
5102	DIAMETER_ERROR_USER_DATA_CANNOT_BE_READ	
5103	DIAMETER_ERROR_USER_DATA_CANNOT_BE_MODIFIED	
5104	DIAMETER_ERROR_USER_DATA_CANNOT_BE_NOTIFIED	29.329 [4]
5105	DIAMETER_ERROR_TRANSPARENT_DATA	Z9.3Z9 [4]
	OUT_OF_SYNC	
5106	DIAMETER_ERROR_SUBS_DATA_ABSENT	
5107	DIAMETER_ERROR_NO_SUBSCRIPTION_TO_DATA	
5108	DIAMETER_ERROR_DSAI_NOT_AVAILABLE	
Note: The Expe	rimental Result Codes from 5109 to 5119 are reserved for the TS	S 29.329.

| 5120 | DIAMETER\_ERROR\_START\_INDICATION | 5121 | DIAMETER\_ERROR\_STOP\_INDICATION | 5122 | DIAMETER\_ERROR\_UNKNOWN\_MBMS\_BEARER\_SERVIC | 29.061 [13] | E

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

5123

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	29.273 [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 CUDOFOCIONI	

ntal 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 T	S 29.215.
5490	DIAMETER_ERROR_UNAUTHORIZED_REQUESTING_NET	20 472 [25]
	WORK	29.173 [25]
Note: The Exp	erimental Result Codes from 5491 to 5509 are reserved for the T	S 29.173.
5510	DIAMETER_ERROR_UNAUTHORIZED_REQUESTING_ENTI	
	TY	
5511	DIAMETER_ERROR_UNAUTHORIZED_SERVICE	
5512	DIAMETER_ERROR_REQUESTED_RANGE_IS_NOT	
	ALLOWED	29.336 [28]
5513	DIAMETER_ERROR_CONFIGURATION_EVENT_STORAGE	20.000 [20]
	_NOT_SUCCESSFUL	
5514	DIAMETER_ERROR_CONFIGURATION_EVENT_NON_EXIS	
	TANT	
5515	DIAMETER_ERROR_SCEF_REFERENCE_ID_UNKNOWN	
	erimental Result Codes from 5516 to 5529 are reserved for the T	S 29.336.
5530	DIAMETER_ERROR_INVALID_SME_ADDRESS	
5531	DIAMETER_ERROR_SC_CONGESTION	
5532	DIAMETER_ERROR_SM_PROTOCOL	29.337 [29]
5533	DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE	20.007 [20]
5534	DIAMETER_ERROR_TRIGGER_RECALL_FAILURE	
5535	DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING	
	erimental Result Codes from 5536 to 5549 are reserved for the T	S 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	
	erimental Result Codes from 5559 to 5569 are reserved for the T	
5570	DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS	29.219 [26]
	Experimental Result Codes from 5571 to 5589 are reserved for	the TS 29.219.
5590	DIAMETER_ERROR_ORIGIN_ALUID_UNKNOWN	
5591	DIAMETER_ERROR_TARGET_ALUID_UNKNOWN	
5592	DIAMETER_ERROR_PFID_UNKNOWN	
5593	DIAMETER_ERROR_APP_REGISTER_REJECT	
5594	DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE	
	D	
5595	DIAMETER_ERROR_MAP_REQUEST_REJECT	
5596	DIAMETER_ERROR_REQUESTING_RPAUID_UNKNOWN	29.343 [32]
5597	DIAMETER_ERROR_UNKNOWN_OR_INVALID_TARGET_S	
	ET	
5598	DIAMETER_ERROR_MISSING_APPLICATION_DATA	1
5599	DIAMETER_ERROR_AUTHORIZATION_REJECT	
5600	DIAMETER_ERROR_DISCOVERY_NOT_PERMITTED	<u> </u>
5601	DIAMETER_ERROR_TARGET_RPAUID_UNKNOWN	<u> </u>
5602	DIAMETER_ERROR_INVALID_APPLICATION_DATA	

Note: The Expe	erimental Result Codes from 5603 to 5609 are reserved for the TS	\$ 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 Expe	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 Expe	erimental Result Codes from 5642 to 5649 are reserved for the TS	\$ 29.345.
5650	DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV ED	
5651	DIAMETER_ERROR_INVALID_EPS_BEARER	
5652	DIAMETER_ERROR_NIDD_CONFIGURATION_NOT_AVAILA BLE	29.128 [36]
5653	DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL E	
Note: The Expe	erimental Result Codes from 5654 to 5669 are reserved for the TS	3 29.128.
5670	DIAMETER_ERROR_UNKNOWN_DATA	29.283 [39]
5671	DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED	28.203 [38]
Note: The Expe	erimental Result Codes from 5672 to 5689 are reserved for the TS	\$ 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

					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		ļ.,	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	010	2	Documenting the Reuse of the 3GPP specific application identifier	6.1.0	6.2.0
2004-12	CN#26	NP-040579	011		of Ro for Re on the Charging Interfaces  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
2004-12	CN#27	NP-050047		1	WLAN Diameter AVP and result codes	6.2.0	6.3.0
2005-05	GIN#Z1	NP-050039		-	Allocations for Gx interface	0.2.0	0.5.0
		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
2000 00	01//20	CP-050196		1	Addition of Maximum-Number-Accesses AVP	0.0.0	0.4.0
2005-09	CT#29	CP-050440			Private identities on the Cx	6.4.0	6.5.0
2000 00	017/20	CP-050310		i e	Addition of Pr reference point to TS 29.230	0. 1.0	0.0.0
		CP-050310			Error code cleanup		
		CP-050310			Addition of Rx ref. point and renaming of Experimental Result		
		0. 0000.0	0000		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		
		CP-050612			Reservation of AVP codes for 32.299		
		CP-050625			Management of Sh subscriptions		
2006-03	CT#31	CP-060073	0069		Adding data type of some of WLAN-related AVPs	7.1.0	7.2.0
		CP-060084	0071		User-Data in the response to Sh-Subs-Notif	1	
		CP-060084	0072	1	New error indications for the Sh-Subs-Notif procedure	1	
2006-06	CT#32	CP-060302	0075		S-CSCF reselection removal	7.2.0	7.3.0
2006-09	CT#33	CP-060417	0077	3	New AVP Code	7.3.0	7.4.0
		CP-060417	0800		Errors to be sent in response to Sh-Notif		
		CP-060417			Definition of specific Diameter codes for DSAI		
2006-12	CT#34	CP-060566		1	Optimization of handling of Wildcarded PSIs	7.4.0	7.5.0
		CP-060562			Addition of Diameter Error Code for Emergency Purposes		
		CP-060555			Allocation of new AVP codes for Gmb		
		CP-060555			AVP code allocations for Rf and Ro interfaces		
		CP-060566			Allocation of Success Result Code Range for Gi Interface		
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			Allocation of new AVP code for DSAI-Tag AVP		
		CP-070020			Allocation of Experimental-Result-Code AVP for Gi Interface		ļ
2007-06	CT#36	CP-070318			Diameter application ID for the Rel-7 Rx interface	7.6.0	7.7.0
		CP-070312			Experimental-Result-Codes for Gmb interface		
2007.00	OT#07	CP-070312			Correction of Diameter AVP code allocation		7.0.0
2007-09	CT#37	CP-070527			Application ID for Gx protocol	7.7.0	7.8.0
2007-12	CT#38	CP-070743			AVP code reservation for 32.299 in Rel-7	7.8.0	7.9.0
			0105		Allocation of 3GPP specific AVP codes and Experimental Result		
2007-12	CT#38	CD 070755	0101	4	Codes for Gx protocol  AVP assignments to support SIP Digest Authentication	7.9.0	8.0.0
2007-12	C1#36	CP-070755	0101	4		7.9.0	0.0.0
2008-03	CT#39	CP-080015			AVP code reservation for 32.299 in Rel-8 Correction of reference to TS 29.140	8.0.0	8.1.0
2006-03	C1#39	CP-080019			AVP code reservation for TS 32.299 in Rel-8	0.0.0	6.1.0
		CP-080019 CP-080019			Wildcarded Public User Identities	1	
		CP-080019		1	Correction on AVP code allocation reservation for TS 32.299 in	1	
		01-000191	0112	'	Rel-7		
		CP-080204	0113	1	Correction on AVP code allocation reservation for TS 32.299	1	
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
	CT#41	CP-080460			Support of "Loose-Route" indication from HSS	1	0.0.0
2008-09	101#41						
2008-09 2008-09							
2008-09 2008-09 2008-09	CT#41 CT#41	CP-080460 CP-080463	0122	1	STAMIP Application Id Cx Impacts of IMS Restoration Procedures (New AVP Codes		

2008-09	CT#41	CP-080463 CP-080691			New AVP Code Assignment for Forking Service Restoration		8.3.0
2008-12 2008-12	CT#42 CT#42	l.			Diameter Protocol Codes Assignments for S6a/S6d/S13  Diameter code assignments for 3GPP TS 29.273	8.3.0 8.3.0	8.4.0
2008-12	CT#42	CP-080691 CP-090044			Update for ReadyForSM	8.4.0	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		2	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		1	Diameter AVP Code allocation	8.4.0	8.5.0
2009-03	CT#43	CP-090024	0140	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'	1	
		OD 000000	0146		Removal of Requesting Node Type from AIR	-	
2000 00	OT#45	CP-090299			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	1	
2009-09	CT#45	CP-090531 CP-090557			Trace Depth per session  AVP code range for charging	0.7.0	0.00
2009-09	CT#45	CP-090557		1	ICS-Flag	8.7.0 9.0.0	9.0.0
2009-12	C1#40	CP-091032		1	From GMLC-Address to GMLC-Number	9.0.0	9.1.0
		C1 -091032	0160		Session-Priority AVP	1	
			0163	2	Introduction of SLh application related AVPs and Experimental Result codes		
			0166		Missing AVP error codes		
		CP-090797		1	Introduction of SLg application related AVPs and Application		
					Identifier		
2010-03	CT#47	CP-100031			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		1	AVP code allocation for 29.172	-	
		CP-100036 CP-100046			GPL_U support in TS 29.109		
		CP-100046 CP-100048		1	Error codes in 29.172 for SLg  AVPs in 29.272 for TADS support	_	
		CP-100040		'	Error codes in 29.272 for Unknown MME		
		CP-100236		4	EPS Subcsriber State and Location Information Request		
		CP-100033			One time notification AVP allocation		
		CP-100046			Addition of the LCS-QoS-Class attribute value		
		CP-100175			Introduction of the LCS-Capabilities-Sets AVP in SLh interface		
2010-06	CT#48	CP-100263		1	AVP Codes for PCC	9.2.0	9.3.0
		05 40000	0183		EPS state and location retrieval		
		CP-100287			SGmb Application ID		
2010-09	CT#49	CP-100277 CP-100463			New APVs in S6a protocol  Addition of Diameter codes and identifiers for the SLg and SLh	9.3.0	9.4.0
2010-09	C1#49	CF-100463	0197	'	interfaces	9.3.0	9.4.0
		CP-100464	0196		AVP Codes Allocation for PCC	1	
2010-09	CT#49	CP-100465	0193	1	SIPTO Permission Indicator	9.4.0	10.0.0
		CP-100466			Location data including only serving node address		
		CP-100466	0199		AVP for Update-Eff feature		
2010-12	CT#50	CP-100699			Enhanced SRVCC Subscriber Data	10.0.0	10.1.0
		CP-100687		1	Allocate codes for AVPs on eMPS		
		CP-100683			Allocate codes for AVPs on LIPA		
		CP-100688			Periodic TAU/RAU timer in HSS subscription	-	
2011-03	CT#51	CP-100846 CP-110051		1	S6a Error Diagnostic PDP-Address correction	10.1.0	10.2 (
2011-03	01#31	CP-110051			Essential correction on the value type of the ELP Application AVPs	10.1.0	10.2.0
		CP-110087		2	Minimization of Drive Tests (MDT)		
		CP-110088			Relay Node Indicator AVPs		
2011-06	CT#52	CP-110349	0219		Handling of RTR for Emergency Registration	10.2.0	10.3.0
		CP-110347	0231	1	Add AVPs from QSPEC cleanup		
		CP-110359			MIPv4 security parameters on the STa and S6b interfaces		
		CP-110380			MDT user consent		
		CP-110370			AVP Code Allocation for Pre-paging	1	
0044.00	OT#50	CP-110375			PUR-Flags AVP	40.00	40.4
2011-09	CT#53	CP-110559			AVP code alignment with 29.212	10.3.0	10.4.0
		CP-110555 CP-110554			AVP code alignment with 32.299 AVP code alignment with 29.214	-	
				1	Experimental Result Code Alignment with 29.061	+	
		CP-110552	()249		Experimental Result Code Alignment with 29 Unit		

		CP-110722			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	11.0.0	11.1.0
		CP-110612 CP-110775			Sy and Sd Application IDs  New AVP codes for MBMS IP unicast encapsulation	-	
		CP-110775			New AVP codes for MBMS IP fullicast encapsulation		
		CP-110775		1	MME-Realm AVP code allocation	1	
		CP-110811			Equivalent PLMN CSG Subscription Request		
		CP-110781		1	Restoration of Wildcarded-IMPU AVP	1	
2012-03	CT#55	CP-120025			Codes Allocation for AVPs on Initial Attach	11.1.0	11.2.0
		CP-120038			New AVP codes for Absolute Time of MBMS Data Transfer over SGmb		
		CP-120038	0291	1	Allocating Diameter AVP codes for TS 29.219 and TS 29.212		
2012-06	CT#56	CP-120240			Codes Allocation for AVPs on NPLI	11.2.0	11.3.0
		CP-120238	0294	1	Adding new Diameter AVPs to Diameter table to support Trusted		
					WLAN Access feature		
		CP-120225			Trust Relationship Indication		
		CP-120251			Corrections to reference titles		
		CP-120251		1	Diameter Code Allocation for TS 29.219		
		CP-120247		-	Network Name AVP codes		
		CP-120219			Duplicated AVP names		
2012-09	CT#57	CP-120481		_	PS additional number allocation	11.3.0	11.4.0
		CP-120473			SMS in MME/SGSN		
		CP-120461	0299	2	AAA Failure Recovery AVP codes		
		CP-120474		-	Transport Access Type AVP for BBAI	-	
		CP-120480 CP-120472		1	Local Time Zone Allocating Application Identifier and command code for Tsp		
				-	interface		
		CP-120472	0309	-	Application Identifier, Command Codes and AVP range for S6m interface		
		CP-120667	0312	1	GMLC-Name		
			0313		Reference list correction to align with the corrected TS 29.212 title		
2012-12	CT#58	CP-120731	0315	2	T4 device triggering via IMS	11.4.0	11.5.0
		CP-120731	0318	1	Codes and Identifier Allocation for T4 Specification		
		CP-120731			AVP Code Allocation for 29.336		
		CP-120731			Diameter AVP code value allocation in TS 29.368		
		CP-120732	0319	2	Application Identifier, Command Codes and AVP codes for SGd,		
					S6c		
		CP-120716			AVP name modification in TS 32.299		
		CP-120742		_	UE Time Zone AVP	-	
		CP-120741 CP-120741		1	Use of Flag instead of Enumerated AVPs		
		CP-120741 CP-120743		-	Use of Flag instead of Enumerated AVPs PSI direct routing with restoration procedures		
		CP-120743		-	EPS LocationInformation Support	-	
2013-03	CT#59	CP-130026		1	Diameter error code for TS 29.219	11 5 0	11.6.0
2010 00	01#33	CP-130026			MDT parameters	11.5.0	11.0.0
2013-03	CT#59	CP-130156			New AVPs for Lgd interface	1160	12.0.0
2010 00	01//00	CP-130030		-	Validity Time of Short Message	11.0.0	12.0.0
2013-06	CT#60	CP-130288		1	Add new DER-S6b-flag AVP	12.0.0	12.1.0
		CP-130298			Failure Result Codes Allocation for TS 29.219	1	
		CP-130292		-	Diameter AVP codes for new TS 32.299 AVPs		
		CP-130279		1	Definition of SS Status for Call Barring		
		CP-130380	0363	-	New SGs-MME-Identity AVP		
		CP-130291	0348	2	New AVPs for deferred MT-LR and periodic MO-LR TTTP		
					procedures over Lgd interface		
		CP-130297		1	Application Port Identifier		
		CP-130374			MTRR on Sh		
		CP-130295			Restoration Priority during SGW and PGW restoration procedures	1	
		CP-130378			SIPTO permission for Local Network enhancements		
2013-09	CT#61	CP-130454			New MBMS flag for eMBMS restoration	12.1.0	12.2.0
		CP-130461			AVP code reservation for TS 32.299 Rel-12	1	
2012.02		CP-130460	0368	-	Allocation of Diameter codes and identifiers for 29.212 and 29.215	40.00	4004
2013-09				-	Vendor-specific command code for Trigger-Establishment- Request/Answer corrected	12.2.0	12.2.1
2013-12	CT#62	CP-130624	0369	l_	New AVP for optimized LCS procedure for combined MME/SGSN	12 2 1	12.3.0
2010-12	01#02	CP-130631			Adding E-SMLC provided Cell info and Cell Portion	12.2.1	12.0.0
		CP-130831			New AVPs for SMS for IMS UE without MSISDN in TS 29.338	1	
		CP-130600			Allocation of Diameter codes for 32.299	1	
		CP-130600 CP-130605			Allocation of Diameter codes for 32.299 Allocation of Diameter codes for 29.212	1	
	+	CP-130603			SGSN CAMEL Subscription Indication		
2014-03	CT#63	CP-140180			Protocol enhancements for the support of device replace procedure	1230	1240
_017 00	01#00	CP-140180	0384	-	New AVP for the support of combined MME/SGSN	12.5.0	, <u>, , , , , , , , , , , , , , , , , , </u>
		CP-140033			Definition of WLAN-related AVPs	†	
	i	U 170020	5500		120	1	L

2014-06	CT#64	CP-140211	0385	1	Protocol enhancements to indicate support of device recall and	12.4.0	12.5.0
		CP-140251	0402	1	replace by SMS-SC AVP allocation for Error handling, MTC error diagnostic	-	
		CP-140257			SS-Status AVP Definition	┪	
		CP-140252			Definition of AVPs for Network Location in TWLAN	1	
		CP-140236	0399	-	TWAN-BSSID AVP re-naming	1	
		CP-140247			New AVPs for Trusted WLAN access	]	
		CP-140231			Adding Codes for 29.214		ļ
2014-09	CT#65	CP-140515			T-GRUU restoration	12.5.0	12.6.0
		CP-140517 CP-140505			MB2-C codes  New AVPs for Trusted WLAN access	-	
		CP-140505			P-CSCF Restoration indication	-	
	ŀ	CP-140516			Closing TS 29.234 and reused AVP in TS 29.273	†	
		CP-140513		-	Identification of the HSS	1	
					Editorial: WLAN-offloadability AVP codes added as in CR C4-141648.	1	
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	]	
			0416		Code definitions for 32.299	_	
			0428		Removal of I-WLAN AVPs	4	
			0429		Reference correction	4	
	}	1	0433		Code allocation for 29.212	4	
		}	0418 0422		MDT PLMN List	-	
	1		0422		Codes Allocation for PC2 Protocol Codes Allocation for PC4a Protoco	-	
			0423		Allocation of values for Application ID, Command codes, AVP	1	
			0-1-31	٦	codes and Experimental-Result codes used in the TS 29.345		
		Ì	0434	1	Command Code and Error Code for ProSe Initial Location	†	
				-	Information Retrieval		
		ĺ	0425	-	Corrections of the type of some AVPs	1	
	İ		0426		OFR-Flags AVP code	Ī	
			0427		P-CSCF Restoration mechanism new error		
2015-03	CT#67	CP-150015			Renaming of Location-Type AVP	12.7.0	12.8.
		ļ	0437		Location reporting in emergency 1xSRVCC		
			0435		AVP codes for GCSE MB2-C	_	
		-	0442		New AVPs and range of transient failure result codes in TS 29.214	4	
			0438	1	Allocation of code for Authorized-Discovery-Range AVP (TS 29.344)		
	ŀ		0440	2	Location Update Trigger	1	
			0441		AVP codes allocation for Validity related AVPs for TS 29.345	1	
	ŀ	ŀ	0443		Allocation of codes for the Integrity Checks. Aspect AVPs	1	
2015-03	CT#67	CP-150039	0439	1	Diameter Application Identifier for Np protocol	12.8.0	13.0.0
2015-06	CT#68	CP-150257			AVP code allocation for Match Refresh Timer AVP in TS 29.345	13.0.0	13.1.
		CP-150247			Wrong CR implementation of CR 0416r1		
		CP-150249			AVP code allocation for 32.299		
		CP-150263			AVP codes for Access Restriction Data per PLMN	_	
		CP-150372			IP-SM-GW-Realm		
2015-09	CT#69	CP-150454			Subscription data for extended buffering at the SGW	13.1.0	13.2.0
		CP-150442			Overlapping transaction over S6b	4	
		CP-150453			Addition of IMSI Group Id AVP definition	4	
		CP-150449 CP-150431			Addition of CP parameter AVP definition  AVP codes for TS 29.212	┥	
		CP-150431			AVP definition for S6t	1	
2015-12	CT#70	CP-150450			Addition of MBMS-Cell-List AVP	13.2.0	13.3
_0.012		CP-150778			S6t Application ID and Command Codes	1 . 5.2.0	. 5.5.
		CP-150778			Bitmask to inform the SCEF of the Monitoring capabilities	1	
		CP-150778			AVP codes for MONTE T6a/b interface	1	
		CP-150778			Correction to SCEF-Reference-ID and SCEF-Reference-ID-For-	1	
		CP-150778	0494	2	Deletion data types  Definition of AVP for deletion of all Monitoring events assigned to a	1	
		00.450750	0504	_	subscriber (UE)	4	
		CP-150778			Definition of AVP SCEF-ID	4	
	1	CP-150778			Service result per Event configuration	4	
		CP-150770 CP-150776			Emergency PDN connection over untrusted WLAN access EPC-MT-LR and PS-MT-LR procedure for UEs transiently not	-{	
		GE-190776	04/0	-	reachable due to power saving		
	1	CP-150776	0497	1	Mobile Terminating SMS handling for extended Idle mode DRX	†	
		01 100770			Mahila Tarrainatian CMC handling for extended life made DDV	┪	
		CP-150776	0498	11	Indobile Terminating 2M2 bandling for extended fole mode 138 x =		
		CP-150776	0498	1	Mobile Terminating SMS handling for extended Idle mode DRX – Additional Option		
					Additional Option		
		CP-150776 CP-150777 CP-150772	0477	3			

CP-150776   Q482   A dot the default access byte to 2GPP specific AVP	I	İ	CP-150772	0500	1_	Addition of AVP used in match report procedure for eProSe-Ext-CT	1	ì
CP-160773   O482   Add the default access type to 3GPP specific AVP   CP-160765   O486   Metadata in Match-Report   CP-16076   O486   Metadata in Match-Report   CP-160776   O489   Definition of AVP for AESE-CT   CP-160771   O492   Definition of AVP for AESE-CT   CP-160771   O496   Command codes and AVP range for TS 29.154 and TS 29.153   CP-160071   O496   Command codes and AVP range for TS 29.154 and TS 29.153   CP-160071   O496   Command codes and AVP range for TS 29.154 and TS 29.153   CP-160041   O505   Command codes and AVP range for TS 29.154 and TS 29.153   CP-160041   O505   Command codes and AVP range for TS 29.154 and TS 29.153   CP-160041   O505   Correction on TS numbers   CP-160040   O505   Correction on TS numbers   CP-160040   O505   Cores for 29.121   CP-160040   O505   Cores f								
CP-150755   0486   New Group AVP for ProSe direct discovery procedures   CP-150755   0486   New Group AVP for ProSe direct discovery procedures   CP-150771   0492   Definition of AVP for AESE-CT   CP-150771   0496   CP-1			E .					
CP-150755   G486   .   Metadata in Match-Report   CP-150775   G486   .   New Group AVP for ProSe direct discovery procedures   CP-150771   G496   1 .   Command codes and AVP lange for TS 29.154 and TS 29.153   CP-150776   G495   1 .   AVP codes for Indoor Positioning support in SLg/Lgd   CP-150776   G495   1 .   AVP codes for Indoor Positioning support in SLg/Lgd   CP-150776   G495   1 .   AVP codes for Indoor Positioning support in SLg/Lgd   CP-150776   G495   1 .   AVP codes for Indoor Positioning support in SLg/Lgd   CP-15074   G516   .   AVP codes for Indoor Positioning support in SLg/Lgd   G496   CP-15074   G516   .   AVP codes for Revaluation for 32.299   CP-15074   G516   .   AVP code reservation for 32.299   CP-15074   G516   .   AVP code reservation for 32.299   CP-15072   G505   .   Codes for 29.212   CP-15072   CP-15072   G505   .   Codes for 29.212   CP-15072   CP-15072   G505   .   Codes for 29.212   CP-15072   CP-150			E .					
CP-150775   0492   1 Definition of AVP for AESE-CT   CP-150771   0492   1 Definition of AVP for AESE-CT   CP-150771   0492   1 Definition of AVP for AESE-CT   CP-150771   0495   1 Command codes and AVP range for TS 29.154 and TS 29.153   CP-150771   0495   1 AVP codes for for infloor Positioning support in SLg/Lgd   CP-150041   0556   1 AVP codes for infloor Positioning support in SLg/Lgd   CP-150041   0556   1 AVP codes for infloor Positioning support in SLg/Lgd   CP-150041   05510   AVP stor the Rx Diameter application   CP-150041   0514   2 AVP code reservation for 32.299   CP-150029   0505   3 New AVP assignment for MONTE   CP-150045   0505   3 New AVP assignment for MONTE   CP-150035   0506   S New AVP assignment for MONTE   CP-150036   0507   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to UE using eDRX   CP-150036   0517   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to UE using eDRX   CP-150036   0517   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to UE using eDRX   CP-150036   0517   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to UE using eDRX   CP-150036   0517   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to UE using eDRX   CP-150036   0519   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to CP-150036   0519   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to UE using eDRX   CP-150036   0517   Non-1107ing update and Reporting of update result   CP-150036   0519   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to CP-150036   0519   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to UE using eDRX   CP-150036   0559   CP-150038	! 			-				
CP-150771   0496   1. Command codes and AVP large for TS 29.154 and TS 29.153					-			
CP-150771   OP-150771   OP-1			Į.					
CP-150776   0495   1			Į.					
2016-03   CT#71   CP-160041   05061   CP-160041   05061   CP-160041   05061   CP-160041   05061   CP-160041   0510   CP-160029   0505   CP-160029   0505   CP-160029   0505   CP-160029   0505   CP-160025   0505   CP-160035   0507   CP-160035   0507   CP-160035   0508   CP-160035   CP-160035   0508   CP-160035   CP-160025			Į.					
CP-160041   0500   1   Correction on TS numbers   CP-160041   0510   4   2   AVPs for the Rx Diameter application   CP-160041   0516   1   AVPs for the Rx Diameter application   CP-160041   0518   1   Codes for 29.212   CP-160029   0505   3   New AVP assignment for MONTE   CP-160029   0505   Change of type of Monitoring-Duration AVP to represent an absolute time   Absolute time   CP-160035   0507   Remove the default access AVP   CP-160035   0507   Remove the default access AVP   CP-160035   0508   Specific AVP codes for NBIFOM   CP-160035   0510   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to   UE using eDRX   CP-160035   0512   Alter procedure from MME/SGSN to SMS-GMSC for MT SMS to   UE using eDRX   CP-160036   0517   Alter procedure from AVP Authorization of NIDD   CP-160036   0517   Alter procedure from AVP Authorization of NIDD   CP-160036   0517   Alter procedure from AVP Authorization of NIDD   CP-160036   0517   Allocation of new Diameter Application ID and commands code for   PC2 protocol   CP-160036   0517   Allocation of new Diameter Application ID and commands code for   PC2 protocol   CP-160025   0541   Cleanup up on MONTE AVPS   13.4.0   135.0	2016-03	CT#71					13.3.0	13.4.0
CP-160041   0510   . AVP soft reservation for 32.299			Į.					
CP-160041   CP-160024   CP-160025   CP-160025   CP-160025   CP-160025   CP-160025   CP-160025   CP-160025   CP-160025   CP-160026   CP-160026   CP-160036   CP-1		Ï						
CP-16004		Ï						
CP-160028   0505   3		Ì						
CP-160029   G509   Change of type of Monitoring-Duration AVP to represent an absolute time   CP-160035   G507   Remove the default access AVP   CP-160030   G511   Alert procedure from MME/SGSN to SMS-GMSC for MT SMS to UE using eDRX   CP-160033   G512   ePDG retrieval of WLAN Location Information   CP-160033   G513   Definition of AVP Authorization of NIDD   CP-160033   G513   Definition of AVP Authorization of NIDD   CP-160036   G517   Monitoring update and Reporting of update result   CP-160036   G517   Monitoring update and Reporting of update result   CP-160036   G519   Allocation of new Diameter Application ID and commands code for PC2 protocol   PC2 protocol   G772   CP-160225   G521   Cleanup up on MONTE AVP's   13.4.0   13.5.0   1								
Absolute time		Ï						
CP-160035   O508   -   Specific AVP codes for NBIFOM   CP-160030   O511   -   Alert procedure from MME/SGSN to SMS-GMSC for MT SMS to UE using eDRX   CP-160033   O512   2   Definition of AVP Authorization of NIDD   CP-160036   O513   2   Definition of AVP Authorization of NIDD   CP-160036   O513   2   Definition of AVP Authorization of NIDD   CP-160036   O513   3   Definition of AVP Authorization of NIDD   CP-160036   O517   1   Monitoring update and Reporting of update result   CP-160036   O517   1   Monitoring update and Reporting of update result   CP-160036   O517   1   Monitoring update and Reporting of update result   OF2 protocol   O516   O517								
CP-160037			CP-160035	0507	-	Remove the default access AVP		
UE using eDRX			CP-160035	0508	-	Specific AVP codes for NBIFOM		
CP-160033   0512   Definition of AVP Authorization of NIDD			CP-160030	0511	-	Alert procedure from MME/SGSN to SMS-GMSC for MT SMS to		
CP-160033   0513   2   Definition of AVP Authorization of NIDD						UE using eDRX		
CP-160036   O520   Z   New PDN-Type for Cellular IoT   CP-160036   O519   3   Allocation of new Diameter Application ID and commands code for PC2 protocol								
CP-160036   O517   1   Monitoring update and Reporting of update result   CP-160036   O519   3   Allocation of new Diameter Application ID and commands code for   PC2 protocol   PC2 protocol   PC2 protocol   PC2 protocol   PC3 pr			CP-160033	0513	2			
CP-160036   0519   3								
PC2 protocol			1					
2016-06   CT#72   CP-160225   0544   2   SCEF Realm   13.4.0   13.5.0   2016-06   CT#72   CP-160225   0521   1   Cleanup up on MONTE AVP's   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0522   1   NIDD authorisation update   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0530   -   IANA Command Code Registration   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0551   2   Serving PLMN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0551   2   Serving PLMN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0554   2   New AVP for APN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0554   2   New AVP for APN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0523   1   IANA assigned application Id and command code values   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0524   3   Allocation of AVP codes and Experimental Result codes for   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0562   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0564   -   AVP code range 3900-3999   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0564   -   AVP code range 3900-3999   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0564   -   AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0564   -   AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0564   -   AVP codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0564   -   AVP codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0564   -   AVP codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0564   -   AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0564   -   AVP codes for 29.154   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0564   -   AVP codes for 29.214   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0565   -   AVP codes for 29.214   13.4.0   13.5.0   2016-06   CT#73   CP-160243   0569   -   AVP code for 29.214   13.4.0   13.5.0   13.6.0   2016-09   CT#73   CP-160423   056			CP-160036	0519	3			
2016-06   CT#72   CP-160225   0521   1   Cleanup up on MONTE AVP's   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0530   1.NNA Command Code Registration   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0530   1.NNA Command Code Registration   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0531   1.NNA Command Sand Diameter error   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0551   2   Serving PLMN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0554   2   New AVP for APN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0523   1   IANA assigned application Id and command code values   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0524   3   Allocation of AVP codes and Experimental Result codes for   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0555   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0554   AVP code range 3990-3999   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0556   AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160230   0556   AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0527   AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0527   AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0529   AVP codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0529   AVP codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0539   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0556   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#73   CP-160233   0556   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#73   CP-160233   0556   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#73   CP-160233   0556   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-09   CT#73   CP-160439   0557   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160						PC2 protocol		
2016-06   CT#72   CP-160228   0532   1   NIDD authorisation update   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0530   - IANA Command Code Registration   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0531   2   Serving PLMN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0551   2   Serving PLMN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0554   2   New AVP for APN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0523   1   IANA assigned application Id and command code values   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0524   3   IANA assigned application Id and command code values   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0552   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0556   1   New AVPs in TS 29.214   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0556   1   New AVPs in TS 29.214   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0529   1   Assignment of application ID and command code for PC2 reference   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0529   1   Assignment of application ID and command code for PC2 reference   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0532   1   Addition of new AVPs for ProSe direct discovery security and open   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#73   CP-160								
2016-06   CT#72   CP-160228   0530   - IANA Command Code Registration   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0553   1   CloT new commands and Diameter error   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0554   2   Serving PLMN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0554   2   New AVP for APN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0523   1   IANA assigned application Id and command code values   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0523   1   IANA assigned application Id and command code values   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0542   - AVP code range 3900-3999   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0564   - AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0527   2   AVP Codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0529   1   Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension   2016-06   CT#72   CP-160232   0539   1   Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   1   New AVPs allocated for 29.153 and 29.154   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   1   New AVPs allocated for 29.153 and 29.154   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   1   New AVPs allocated for 29.153 and 29.154   13.4.0   13.5.0   2016-06   CT#73   CP-160233   0536   1   New AVPs allocated for 29.153 and 29.154   13.4.0   13.5.0   2016-06   CT#73   CP-160233   0536   1   New AVPs allocated for 29.153 and 29.154   13.4.0   13.5.0   2016-09   CT#73   CP-160439   0577   AVP codes for 32.299   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0575   1   AVP codes for 32.299   13.5.0   13.6.0   2016-								
2016-06   CT#72   CP-160228   0538   1   CloT new commands and Diameter error   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0551   2   Serving PLMN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0523   1   IANA assigned application Id and command code values   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0524   3   Allocation of AVP codes and Experimental Result codes for   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0564   - AVP code range 3900-3999   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0564   - AVP codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0527   2   AVP Codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0529   1   Assignment of application ID and command code for PC2 reference   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0532   1   Addition of new AVPs for ProSe direct discovery security and open   ProSe direct discovery with application-controlled extension   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0539   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#73   CP-160243   0552   1   AVP codes for 32.299   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0571   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0575   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0575   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160650   0581   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160650   0581   AVP code for 2					1			
2016-06   CT#72   CP-160228   0551   2   Serving PLMN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160228   0554   2   New AVP for APN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0523   1   IANA assigned application Id and command code values   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0524   3   Allocation of AVP codes and Experimental Result codes for   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0556   1   New AVPs in TS 29.214   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0564   AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0564   AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0527   AVP Codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0529   1   Assignment of application ID and command code for PC2 reference   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0529   1   Addition of new AVPs for ProSe direct discovery security and open   ProSe direct discovery with application-controlled extension   2016-06   CT#72   CP-160232   0539   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0556   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0556   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0556   New AVPs allocated for 29.153 and 29.154   13.4.0   13.5.0   2016-06   CT#73   CP-160243   0552   1   3GPP specific AVP for NBIFOM   13.4.0   13.5.0   2016-09   CT#73   CP-160419   0577   AVP codes for 32.299   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0577   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0577   AVP code for 29.212   13.6.0   13.7.0   2016-12   CT#74   CP-160650   0584   Renaming of Emergency-Indication AVP   13.6.0   13.7.0   2016-12   CT#74   CP-160660   0589   S6t-HSS-Cause   1					-			
2016-06   CT#72   CP-160228   0554   2   New AVP for APN Rate Control   13.4.0   13.5.0   2016-06   CT#72   CP-160227   0523   1   IANA assigned application Id and command code values   13.4.0   13.5.0   2016-06   CT#72   CP-160226   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0554   AVP code range 3909-3999   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0556   1   New AVPs in TS 29.214   13.4.0   13.5.0   2016-06   CT#72   CP-160236   0556   1   AVP codes for 29.212   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0527   2   AVP codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0529   1   Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension   ProSe direct discovery with application-controlled extension   ProSe direct discovery with application-controlled extension   ProSe direct discovery with application-controlled extension   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0539   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#72   CP-160231   0552   3   3GPP specific AVP for NBIFOM   13.4.0   13.5.0   2016-09   CT#73   CP-160419   0571   AVP codes for 32.299   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0577   AVP code for 29.212   2016-09   CT#73   CP-160424   0575   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160424   0575   AVP code for 29.212   2016-09   CT#74   CP-160650   0581   AVP code for 32.299   31.5.0   31.6.0   31.7.0   2016-012   CT#74   CP-160660   0589   S6t+ISS-Cause   36t+ISS-Cause   31.5.0   31.6.0   31.7.0   2017-03   CT#75   CP-170025   0596   AVP codes for 32.299   31.5.0   31.5.0   31.5.0								
2016-06   CT#72   CP-160227   O523   1   IANA assigned application Id and command code values   13.4.0   13.5.0						Serving PLMN Rate Control		
2016-06   CT#72   CP-160236   0524   3   Allocation of AVP codes and Experimental Result codes for Diameter Data Management application   13.4.0   13.5.0								
Diameter Data Management application								
2016-06   CT#72   CP-160236   0525   1   Command Codes for 29.212   13.4.0   13.5.0	2016-06	C1#/2	CP-160227	0524	3		13.4.0	13.5.0
2016-06   CT#72   CP-160236   0542   - AVP code range 3900-3999   13.4.0   13.5.0	2016.06	CT#72	CD 160226	OFOE	1		12 1 0	12 5 0
2016-06         CT#72         CP-160236         0556         1         New AVPs in TS 29.214         13.4.0         13.4.0         13.5.0           2016-06         CT#72         CP-160232         0527         2         AVP codes for 29.343         13.4.0         13.5.0           2016-06         CT#72         CP-160232         0529         1         Assignment of application ID and command code for PC2 reference point         13.4.0         13.5.0           2016-06         CT#72         CP-160232         0532         1         Addition of new AVPs for ProSe direct discovery security and open point         13.4.0         13.5.0           2016-06         CT#72         CP-160232         0539         -         Reserved Experimental Result Codes for TS 29.343         13.4.0         13.5.0           2016-06         CT#72         CP-160233         0536         -         Renaming of Validity-Time AVP         13.4.0         13.5.0           2016-06         CT#72         CP-160233         0551         1         New AVPs allocated for 29.153 and 29.154         13.4.0         13.5.0           2016-06         CT#73         CP-160231         0552         1         3GPP specific AVP for NBIFOM         13.4.0         13.5.0           2016-09         CT#73         CP-160419								
2016-06   CT#72   CP-160236   0564   - AVP codes for 29.212   13.4.0   13.5.0								
2016-06   CT#72   CP-160232   0527   2   AVP Codes for 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0532   1   Assignment of application ID and command code for PC2 reference point   13.4.0   13.5.0   13.5.0   2016-06   CT#72   CP-160232   0532   1   Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0539   Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0561   New AVPs allocated for 29.153 and 29.154   13.4.0   13.5.0   2016-06   CT#72   CP-160231   0552   1   3GPP specific AVP for NBIFOM   13.4.0   13.5.0   2016-09   CT#73   CP-160423   0569   1   Missing AVP codes and Experimental-Result codes for T6a   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0571   1   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0575   1   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0575   1   AVP code for 29.212   13.5.0   13.6.0   2016-12   CT#74   CP-160650   0581   AVP code alignment with 29.272   13.6.0   13.7.0   2016-12   CT#74   CP-160650   0581   AVP code alignment with 29.272   13.6.0   13.7.0   2016-12   CT#74   CP-160660   0589   S6t-HSS-Cause   13.6.0   13.7.0   2017-03   CT#75   CP-170025   0596   AVP codes for 32.299   13.7.0   13.8.0								
2016-06   CT#72   CP-160232   0529   1   Assignment of application ID and command code for PC2 reference point   13.4.0   13.5.0   13.5.0   2016-06   CT#72   CP-160232   0532   1   Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension   2016-06   CT#72   CP-160232   0539   - Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   - Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0561   1   New AVPs allocated for 29.153 and 29.154   13.4.0   13.5.0   2016-06   CT#72   CP-160231   0552   1   3GPP specific AVP for NBIFOM   13.4.0   13.5.0   2016-09   CT#73   CP-160423   0569   1   AVP codes for 32.299   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0575   1   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0577   AVP code for 29.212   13.5.0   13.6.0   2016-09   CT#73   CP-160424   0573   1   Allocate of AVP Handling of Exception Reports in the Core Network   13.5.0   13.6.0   2016-12   CT#74   CP-160650   0581   AVP code alignment with 29.272   13.6.0   13.7.0   2016-12   CT#74   CP-160660   0589   S6t-HSS-Cause   13.6.0   13.7.0   2017-03   CT#75   CP-170025   0596   AVP codes for 32.299   13.7.0   13.8.0								
Depoint   CT#72								
2016-06   CT#72   CP-160232   0532   1   Addition of new AVPs for ProSe direct discovery security and open ProSe direct discovery with application-controlled extension   13.4.0   13.5.0   2016-06   CT#72   CP-160232   0539   - Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   - Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0561   1   New AVPs allocated for 29.153 and 29.154   13.4.0   13.5.0   2016-06   CT#72   CP-160231   0552   1   3GPP specific AVP for NBIFOM   13.4.0   13.5.0   2016-09   CT#73   CP-160423   0569   1   Missing AVP codes and Experimental-Result codes for T6a   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0575   1   AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0575   AVP code for 29.212   13.5.0   13.6.0   2016-09   CT#73   CP-160424   0573   1   AVP code for 29.212   13.5.0   13.6.0   2016-09   CT#74   CP-160650   0581   AVP code alignment with 29.272   13.6.0   13.7.0   2016-12   CT#74   CP-160653   0584   1   Renaming of Emergency-Indication AVP   13.6.0   13.7.0   2016-12   CT#74   CP-160660   0589   S6t-HSS-Cause   13.6.0   13.7.0   2017-03   CT#75   CP-170025   0596   AVP codes for 32.299   13.7.0   13.8.0	2010-00	01#12	C1 -100232	0323	'		13.4.0	13.3.0
ProSe direct discovery with application-controlled extension   2016-06   CT#72   CP-160232   0539   - Reserved Experimental Result Codes for TS 29.343   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0536   - Renaming of Validity-Time AVP   13.4.0   13.5.0   2016-06   CT#72   CP-160233   0561   1 New AVPs allocated for 29.153 and 29.154   13.4.0   13.5.0   2016-06   CT#72   CP-160231   0552   1 3GPP specific AVP for NBIFOM   13.4.0   13.5.0   2016-09   CT#73   CP-160423   0569   1 Missing AVP codes and Experimental-Result codes for T6a   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0571   AVP code for 32.299   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0575   1 AVP code for 29.214   13.5.0   13.6.0   2016-09   CT#73   CP-160419   0577   AVP code for 29.212   13.5.0   13.6.0   2016-09   CT#73   CP-160424   0573   1 Allocate of AVP Handling of Exception Reports in the Core Network   13.5.0   13.6.0   2016-12   CT#74   CP-160650   0581   AVP code alignment with 29.272   13.6.0   13.7.0   2016-12   CT#74   CP-160660   0589   S6t-HSS-Cause   13.6.0   13.7.0   2017-03   CT#75   CP-170025   0596   AVP codes for 32.299   13.7.0   13.8.0	2016-06	CT#72	CP-160232	0532	1		13 4 0	13 5 0
2016-06         CT#72         CP-160232         0539         -         Reserved Experimental Result Codes for TS 29.343         13.4.0         13.5.0           2016-06         CT#72         CP-160233         0536         -         Renaming of Validity-Time AVP         13.4.0         13.5.0           2016-06         CT#72         CP-160233         0561         1         New AVPs allocated for 29.153 and 29.154         13.4.0         13.5.0           2016-06         CT#72         CP-160231         0552         1         3GPP specific AVP for NBIFOM         13.4.0         13.5.0           2016-09         CT#73         CP-160423         0569         1         Missing AVP codes and Experimental-Result codes for T6a         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0571         1         AVP code for 32.299         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0577         AVP code for 29.214         13.5.0         13.6.0           2016-09         CT#73         CP-160424         0573         1         Allocate of AVP Handling of Exception Reports in the Core Network         13.5.0         13.6.0           2016-12         CT#74         CP-160653         0584         1         Renaming of Eme	2010 00	011112	01 100202	0002	'		10.4.0	10.0.0
2016-06         CT#72         CP-160233         0536         -         Renaming of Validity-Time AVP         13.4.0         13.5.0           2016-06         CT#72         CP-160233         0561         1         New AVPs allocated for 29.153 and 29.154         13.4.0         13.5.0           2016-06         CT#72         CP-160231         0552         1         3GPP specific AVP for NBIFOM         13.4.0         13.5.0           2016-09         CT#73         CP-160423         0569         1         Missing AVP codes and Experimental-Result codes for T6a         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0571         1         AVP codes for 32.299         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0575         1         AVP code for 29.214         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0577         AVP code for 29.212         13.5.0         13.6.0           2016-09         CT#73         CP-160424         0573         1         Allocate of AVP Handling of Exception Reports in the Core Network         13.5.0         13.6.0           2016-12         CT#74         CP-160650         0581         -         AVP code alignment with 29.272	2016-06	CT#72	CP-160232	0539	-		13.4.0	13.5.0
2016-06         CT#72         CP-160233         0561         1         New AVPs allocated for 29.153 and 29.154         13.4.0         13.5.0           2016-06         CT#72         CP-160231         0552         1         3GPP specific AVP for NBIFOM         13.4.0         13.5.0           2016-09         CT#73         CP-160423         0569         1         Missing AVP codes and Experimental-Result codes for T6a         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0571         1         AVP codes for 32.299         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0575         1         AVP code for 29.214         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0577         AVP code for 29.212         13.5.0         13.6.0           2016-09         CT#73         CP-160424         0573         1         Allocate of AVP Handling of Exception Reports in the Core Network 13.5.0         13.6.0           2016-12         CT#74         CP-160650         0581         -         AVP code alignment with 29.272         13.6.0         13.7.0           2016-12         CT#74         CP-160660         0589         -         S6t-HSS-Cause         13.6.0         13.7								
2016-06         CT#72         CP-160231         0552         1         3GPP specific AVP for NBIFOM         13.4.0         13.5.0           2016-09         CT#73         CP-160423         0569         1         Missing AVP codes and Experimental-Result codes for T6a         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0571         1         AVP codes for 32.299         13.5.0         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0575         1         AVP code for 29.214         13.5.0         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0577         AVP code for 29.212         13.5.0         13.5.0           2016-09         CT#73         CP-160424         0573         1         Allocate of AVP Handling of Exception Reports in the Core Network 13.5.0         13.6.0           2016-12         CT#74         CP-160650         0581         -         AVP code alignment with 29.272         13.6.0         13.7.0           2016-12         CT#74         CP-160660         0589         -         S6t-HSS-Cause         13.6.0         13.7.0           2017-03         CT#75         CP-170025         0596         -         AVP codes for 32.299								
2016-09         CT#73         CP-160423         0569         1         Missing AVP codes and Experimental-Result codes for T6a         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0571         1         AVP codes for 32.299         13.5.0         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0575         1         AVP code for 29.214         13.5.0         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0577         AVP code for 29.212         13.5.0         13.6.0           2016-09         CT#73         CP-160424         0573         1         Allocate of AVP Handling of Exception Reports in the Core Network         13.5.0         13.6.0           2016-12         CT#74         CP-160650         0581         -         AVP code alignment with 29.272         13.6.0         13.7.0           2016-12         CT#74         CP-160653         0584         1         Renaming of Emergency-Indication AVP         13.6.0         13.7.0           2017-03         CT#75         CP-170025         0596         -         AVP codes for 32.299         13.7.0         13.8.0								
2016-09         CT#73         CP-160419         0571         1         AVP codes for 32.299         13.5.0         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0575         1         AVP code for 29.214         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0577         AVP code for 29.212         13.5.0         13.6.0           2016-09         CT#73         CP-160424         0573         1         Allocate of AVP Handling of Exception Reports in the Core Network         13.5.0         13.6.0           2016-12         CT#74         CP-160650         0581         -         AVP code alignment with 29.272         13.6.0         13.7.0           2016-12         CT#74         CP-160653         0584         1         Renaming of Emergency-Indication AVP         13.6.0         13.7.0           2017-03         CT#75         CP-170025         0596         -         AVP codes for 32.299         13.7.0         13.8.0						Missing AVP codes and Experimental-Result codes for T6a		
2016-09         CT#73         CP-160419         0575         1         AVP code for 29.214         13.5.0         13.5.0         13.6.0           2016-09         CT#73         CP-160419         0577         AVP code for 29.212         13.5.0         13.5.0         13.6.0           2016-09         CT#73         CP-160424         0573         1         Allocate of AVP Handling of Exception Reports in the Core Network         13.5.0         13.6.0           2016-12         CT#74         CP-160650         0581         -         AVP code alignment with 29.272         13.6.0         13.7.0           2016-12         CT#74         CP-160653         0584         1         Renaming of Emergency-Indication AVP         13.6.0         13.7.0           2016-12         CT#74         CP-160660         0589         -         S6t-HSS-Cause         13.6.0         13.7.0           2017-03         CT#75         CP-170025         0596         -         AVP codes for 32.299         13.7.0         13.8.0								
2016-09         CT#73         CP-160419         0577         AVP code for 29.212         13.5.0         13.5.0         13.6.0           2016-09         CT#73         CP-160424         0573         1         Allocate of AVP Handling of Exception Reports in the Core Network         13.5.0         13.6.0           2016-12         CT#74         CP-160650         0581         -         AVP code alignment with 29.272         13.6.0         13.7.0           2016-12         CT#74         CP-160653         0584         1         Renaming of Emergency-Indication AVP         13.6.0         13.7.0           2016-12         CT#74         CP-160660         0589         -         S6t-HSS-Cause         13.6.0         13.7.0           2017-03         CT#75         CP-170025         0596         -         AVP codes for 32.299         13.7.0         13.8.0								
2016-09         CT#73         CP-160424         0573         1         Allocate of AVP Handling of Exception Reports in the Core Network         13.5.0         13.6.0           2016-12         CT#74         CP-160650         0581         -         AVP code alignment with 29.272         13.6.0         13.7.0           2016-12         CT#74         CP-160653         0584         1         Renaming of Emergency-Indication AVP         13.6.0         13.7.0           2016-12         CT#74         CP-160660         0589         -         S6t-HSS-Cause         13.6.0         13.7.0           2017-03         CT#75         CP-170025         0596         -         AVP codes for 32.299         13.7.0         13.8.0								
2016-12       CT#74       CP-160650       0581       -       AVP code alignment with 29.272       13.6.0       13.7.0         2016-12       CT#74       CP-160653       0584       1       Renaming of Emergency-Indication AVP       13.6.0       13.7.0         2016-12       CT#74       CP-160660       0589       -       S6t-HSS-Cause       13.6.0       13.7.0         2017-03       CT#75       CP-170025       0596       -       AVP codes for 32.299       13.7.0       13.8.0					1		13.5.0	
2016-12         CT#74         CP-160653         0584         1         Renaming of Emergency-Indication AVP         13.6.0         13.7.0           2016-12         CT#74         CP-160660         0589         -         S6t-HSS-Cause         13.6.0         13.7.0           2017-03         CT#75         CP-170025         0596         -         AVP codes for 32.299         13.7.0         13.8.0					-			
2016-12         CT#74         CP-160660         0589         -         S6t-HSS-Cause         13.6.0         13.7.0           2017-03         CT#75         CP-170025         0596         -         AVP codes for 32.299         13.7.0         13.8.0					1			
2017-03 CT#75 CP-170025 0596 - AVP codes for 32.299 13.7.0 13.8.0					-			
2017-03   CT#'75   CP-170052   0604   -   Update of the name of MCPTT-User-Profile-Data AVP   13.7.0   13.8.0					-			

## History

	Document history							
V13.3.0	March 2016	Publication						
V13.4.0	April 2016	Publication						
V13.5.0	August 2016	Publication						
V13.6.0	October 2016	Publication						
V13.7.0	January 2017	Publication						
V13.8.0	March 2017	Publication						