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> Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 13.7.0 Release 13)



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## 1 Scope

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

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

#### 2 References

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

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.

Diameter protocol; Stage 3".

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

[1]	3GPP TS 29.228: "IP Multimedia (IM) Subsystem Cx and Dx interfaces; Signalling flows and message contents".
[2]	3GPP TS 29.229: "Cx and Dx interfaces based on the Diameter protocol; Protocol details".
[3]	3GPP TS 29.328: "IP Multimedia (IM) Subsystem Sh interface; Signalling flows and message contents".
[4]	3GPP TS 29.329: "Sh Interface based on the Diameter protocol; Protocol details".
[5]	3GPP TS 32.299: "Telecommunication management; Charging management; Diameter charging applications".
[6]	3GPP TS 29.234, Release 11: "3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3".
[7]	3GPP TS 29.109: "Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3".
[8]	3GPP TS 29.209, Release 6: "Policy control over Gq interface".
[9]	IETF RFC 3588: "Diameter Base Protocol".
[10]	IETF RFC 3589: "Diameter Command Codes for Third Generation Partnership Project (3GPP) Release 5".
[11]	IANA"s Enterprise-Numbers: <a href="http://www.iana.org/assignments/enterprise-numbers">http://www.iana.org/assignments/enterprise-numbers</a>
[12]	IANA"s AAA parameters register: <a href="mailto:ftp://ftp.iana.org/assignments/aaa-parameters/">ftp://ftp.iana.org/assignments/aaa-parameters/</a>
[13]	3GPP TS 29.061: "Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)".
[14]	3GPP TS 32.296: "Telecommunication management; Charging management; Online Charging System (OCS): Applications and interfaces".
[15]	3GPP TS 29.210, Release 6: "Charging rule provisioning over Gx interface".
[16]	3GPP TS 29.140, Release 6: "Multimedia Messaging Service (MMS); MM10 interface based on

[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	29.345 [34]
16777345	3GPP Np	29.336 [28]
16777346	3GPP 36t 3GPP T6a/T6b	29.336 [26]
16777347	3GPP Ns	29.126 [36]
	3GPP Nt	
16777348		29.154[38]
16777349 16777350	3GPP St 3GPP PC2	29.212 [19]
		29.343 [32]
16777351	3GPP Diameter Data Management	29.283 [39]

## 5 Command codes

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

#### 5.1 Command codes allocated for 3GPP

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

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

Command code value	Command name	Abbreviation	Specified in 3GPP TS
300	User-Authorization-Request/-Answer	UAR/UAA	5511 15
301	Server-Assignment-Request/-Answer	SAR/SAA	
302	Location-Info-Request/-Answer	LIR/LIA	
303	Multimedia-Auth-Request/-Answer	MAR/MAA	29.229 [2]
304	Registration-Termination-Request/-	RTR/RTA	
	Answer		
305	Push-Profile-Request/-Answer	PPR/PPA	
306	User-Data-Request/-Answer	UDR/UDA	
307	Profile-Update-Request/-Answer	PUR/PUA	29.329 [4]
308	Subscribe-Notifications-Request/-Answer	SNR/SNA	29.329 [4]
309	Push-Notification-Request/-Answer	PNR/PNA	
310	Boostrapping-Info-Request/Answer	BIR/BIA	29.109 [7]
311	Message-Process-Request/Answer	MPR/MPA	29.140 [16]
312	GBAPush-Info-Request/Answer	GPR/GPI	29.109 [7]

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

Table 5.1/2: Command codes allocated for 3GPP

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

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

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

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

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

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

Command code value	Command name	Abbreviation	Specified in 3GPP TS
8388620	Provide-Location-Request/Answer	PLR/PLA	
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	
8388666	ProSe-Notify-Request/Answer	PNR/PNA	29.344 [33]
8388713	ProSe-Initial-Location-Information- Request/Answer	PSR/PSA	
8388668	ProSe-Authorization-Request/Answer	PAR/PAA	
8388669	ProSe-Discovery-Request/Answer	PDR/PDA	29.345 [34]

	PMR/PMA	ProSe-Match-Request/Answer	8388670
	PIR/PIA	ProSe-Match-Report-Info- Request/Answer	8388671
	PRR/PRA	ProSe-Proximity-Request/Answer	8388672
	PLR/PLA	ProSe-Location-Update-Request/Answer	8388673
1	ALR/ALA	ProSe-Alert-Request/Answer	8388674
	RPR/RPA	ProSe-Cancellation-Request/Answer	8388675
	PXR/PXA	ProXimity-Action-Request/Answer	8388676
29.343 [32]	XAR/XAA	ProXimity-Application-Request/Answer	8388727
	NRR/NRA	Non-Aggregated-RUCI-Report- Request/Answer	8388720
29.217 [35]	ARR/ARA	Aggregated-RUCI-Report- Request/Answer	8388721
	MUR/MUA	Modify-Uecontext-Request/Answer	8388722
	NSR/NSA	Network-Status-Request/Answer	8388724
29.153 [37]	NCR/NCA	Network-Status-Continuous-Report- Request/Answer	8388725
29.154 [38]	BTR/BTA	Background-Data-Transfer- Request/Answer	8388723
	DPR/DPA	Data-Pull-Request/Answer	8388728
29.283 [39]	DUR/DUA	Data-Update-Request/Answer	8388729
1	NDR/NDA	Notification-Data-Request/Answer	8388730
	CMR/CMA	Connection-Management- Request/Answer	8388732
29.128 [36]	ODR/ODA	MO-Data-Request/Answer	8388733
	TDR/TDA	MT-Data-Request/Answer	8388734

#### 6 Vendor identifier

The vendor identifier (also known as Enterprise number) indicates the vendor specific attributes, result codes and application identifiers in Diameter commands. The vendor identifier is used in the Vendor-ID field of the AVP header and in the Vendor-Id AVP. The Vendor-Id AVP is used to identify the vendor in the Vendor-Specific-Application-Id and Experimental-Result-Code grouped AVPs.

#### 6.1 3GPP"s vendor identifier

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

#### 7 Attribute-Value-Pair codes

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

## 7.1 3GPP specific AVP codes

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

Table 7.1: 3GPP specific AVP codes

AVP Code	Attribute Name	Data Type	Specified in the 3GPP TS
100	3GPP-WLAN-APN-Id	OctetString	
101	3GPP-WLAN-QoS-Filter-Rule	UTF8String	29.234 [6]
102	3GPP-WLAN-QoS-Filter-Support	OctetString	1
Note:	The AVP codes from 1 to 255 are reserved for backwards compatibility	ty with 3GPP RADIUS Ve	ndor Specific
Attribu	ites (See TS 29.061 [13] and TS 29.234 [6])		•
Note:	The AVP codes from 256 to 299 are reserved for future use.		
300	Authentication-Method	Enumerated	
301	Authentication-Information-SIM	OctetString	
302	Authorization -Information-SIM	OctetString	
303	WLAN-User-Data	Grouped	
304	Charging-Data	Grouped	
305	WLAN-Access	Enumerated	
306	WLAN- 3GPP-IP-Access	Enumerated	
	APN-Authorized	Grouped	
308	APN-Id	•	
309	APN-Barring-Type	Enumerated	20 224 [6]
	WLAN-Direct-IP-Access	Enumerated	29.234 [6]
311	Session-Request-Type	Enumerated	
	Routing-Policy	IPFilterRule	
	Max-Requested-Bandwidth	OctetString	1
314	Charging-Characteristics	Integer	
	Charging-Nodes	Grouped	
	Primary-OCS-Charging-Function-Name	DiameterIdentity	
	Secondary-OCS-Charging-Function-Name	DiameterIdentity	
	3GPP-AAA-Server-Name	DiameterIdentity	
	Maximum-Number-Accesses	Unsigned32	
	: The AVP codes from 320 to 399 are reserved for TS 29.234	<b> </b>	•
Note 2	2: The 3GPP-AAA-Server-Name definition is moved to TS 29.273 star	ting from Rel-12.	
	GBA-UserSecSettings	OctetString	
	Transaction-Identifier	OctetString	
	NAF-Hostname	OctetString	
	GAA-Service-Identifier Key-ExpiryTime	OctetString Time	
405	ME-Key-Material	OctetString	-
	UICC-Key-Material	OctetString	1
407	GBA_U-Awareness-Indicator	Enumerated	
	BootstrapInfoCreationTime	Time	
409	GUSS-Timestamp	Time	
	GBA-Type	Enumerated	29.109 [7]
	UE-Id UE-Id-Type	OctetString Enumerated	_
412	UICC-App-Label	OctetString	-
	UICC-ME	Enumerated	1
415	Requested-Key-Lifetime	Time	1
416	Private-Identity-Request	Enumerated	
	GBA-Push-Info	OctetString	1
418	NAF-SA-Identifier	OctetString	-
	Security-Feature-Request Security-Feature-Response	OctetString OctetString	4
	The AVP codes from 421 to 499 are reserved for TS 29.109	OctetString	
	Abort-Cause	Enumerated	
	Access-Network-Charging-Address	Address	+
	Access-Network-Charging-Address Access-Network-Charging-Identifier	Grouped	+
	Access-Network-Charging-Identifier  Access-Network-Charging-Identifier-Value	OctetString	29.209 [8],
	<u> </u>		29.211 [17] ,
	AF-Application-Identifier	OctetString	29.214 [18]
	Ar-Charging-Identifier	OctetString	-
	Authorization-Token	OctetString	4
507	Flow-Description	IPFilterRule	

	Flow-Grouping	Grouped	
509	Flow-Number	Unsigned32	
510	Flows	Grouped	
511	Flow-Status	Enumerated	
512	Flow-Usage	Enumerated	
	Specific-Action	Enumerated	
	Max-Requested-Bandwidth	Unsigned32	
	Max-Requested-Bandwidth-DL	Unsigned32	
	Max-Requested-Bandwidth-UL	Unsigned32	
517	Media-Component-Description	Grouped	
518	Media-Component-Number	Unsigned32	
519	Media-Sub-Component AVP	Grouped	
	Media-Type	Enumerated	
	RR-Bandwidth	Unsigned32	
	RS-Bandwidth	Unsigned32	
	SIP-Forking-Indication	Enumerated	
	Codec-Data	OctetString	
525	Service-URN	OctetString	
526	Acceptable-Service-Info	Grouped	
	Service-Info-Status	Enumerated	
	MPS-Identifier	OctetString	
	AF-Signalling-Protocol	Enumerated	
	Sponsored-Connectivity-Data	Grouped	
	Sponsor-Identity	OctetString	
	Application-Service-Provider-Identity	OctetString	
533	Rx-Request-Type	Enumerated	
534	Min-Requested-Bandwidth-DL	Unsigned32	
	Min-Requested-Bandwidth-UL	Unsigned32	
	Required-Access-Info	Enumerated	
	IP-Domain-Id	OctetString	
	GCS-Identifier	OctetString	
	Sharing-Key-DL	Unsigned32	
540	Sharing-Key-UL	Unsigned32	
541	Retry-Interval	Unsigned32	
	Sponsoring-Action	Enumerated	
	Max-Supported-Bandwidth-DL	Unsigned32	
	Max-Supported-Bandwidth-UL	Unsigned32	
		Ŭ	
	Min-Desired-Bandwidth-DL	Unsigned32	
	Min-Desired-Bandwidth-UL	Unsigned32	
547	MCPTT-Identifier	OctetString	
548	Service-Authorization-Info	Unsigned32	
549	Reserved	-	
	Priority-Sharing-Indicator	Enumerated	
	The AVP codes from 551 to 599 are reserved for TS 29.209, TS 29.2		
	Visited-Network-Identifier		
		OctetString	
	Public-Identity Public	UTF8String	
	Server-Name	UTF8String	
	Server-Capabilities	Grouped	
604	Mandatory-Capability	Unsigned32	
	Optional-Capability Optional	Unsigned32	
	User-Data	OctetString	
	SIP-Number-Auth-Items	Unsigned32	
	SIP-Authentication-Scheme	UTF8String	
	SIP-Authenticate	OctetString	
	SIP-Authorization	OctetString	29.229 [2]
611	SIP-Authentication-Context	OctetString	
612	SIP-Auth-Data-Item	Grouped	
	SIP-Item-Number	Unsigned32	
	Server-Assignment-Type	Enumerated	
	Deregistration-Reason		
		Grouped	
	Reason-Code	Enumerated	
	Reason-Info	UTF8String	
618	Charging-Information	Grouped	
619	Primary-Event-Charging-Function-Name	DiameterURI	
	Secondary-Event-Charging-Function-Name	DiameterURI	
	,		

717 718 719 720 721 722 Note: Note:	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID Sequence-Number Pre-paging-Supported Local-Time-Zone-Indication UDR-Flags Call-Reference-Info Call-Reference-Number AS-Number The AVP codes from 723 to799 are reserved for TS 29.329. The AVP codes from 800 to 822 are reserved for TS 32.299. Event-Type	Enumerated Unsigned32 Enumerated Grouped Unsigned32 Enumerated Enumerated Unsigned32 Grouped OctetString OctetString Grouped	32.299 [5]
717 718 719 720 721 722 Note:	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID Sequence-Number Pre-paging-Supported Local-Time-Zone-Indication UDR-Flags Call-Reference-Info Call-Reference-Number AS-Number The AVP codes from 723 to799 are reserved for TS 29.329.	Enumerated Unsigned32 Enumerated Grouped Unsigned32 Enumerated Enumerated Unsigned32 Grouped OctetString	20.020 [1]
717 718 719 720 721 722	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID Sequence-Number Pre-paging-Supported Local-Time-Zone-Indication UDR-Flags Call-Reference-Info Call-Reference-Number AS-Number	Enumerated Unsigned32 Enumerated Grouped Unsigned32 Enumerated Enumerated Unsigned32 Grouped OctetString	20.020 [1]
717 718 719 720 721	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID Sequence-Number Pre-paging-Supported Local-Time-Zone-Indication UDR-Flags Call-Reference-Info Call-Reference-Number	Enumerated Unsigned32 Enumerated Grouped Unsigned32 Enumerated Enumerated Unsigned32 Grouped OctetString	20.020 [1]
717 718 719 720	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID Sequence-Number Pre-paging-Supported Local-Time-Zone-Indication UDR-Flags Call-Reference-Info	Enumerated Unsigned32 Enumerated Grouped Unsigned32 Enumerated Enumerated Unsigned32 Grouped	20.020 [1]
717 718 719	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID Sequence-Number Pre-paging-Supported Local-Time-Zone-Indication UDR-Flags	Enumerated Unsigned32 Enumerated Grouped Unsigned32 Enumerated Enumerated Unsigned32 Grouped	20.020 [1]
717 718 719	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID Sequence-Number Pre-paging-Supported Local-Time-Zone-Indication UDR-Flags	Enumerated Unsigned32 Enumerated Grouped Unsigned32 Enumerated Enumerated Unsigned32	20.020 [1]
717 718	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID Sequence-Number Pre-paging-Supported Local-Time-Zone-Indication	Enumerated Unsigned32 Enumerated Grouped Unsigned32 Enumerated Enumerated Enumerated	20.020 [1]
717	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID Sequence-Number Pre-paging-Supported	Enumerated Unsigned32 Enumerated Grouped Unsigned32 Enumerated	20.020 [1]
	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID Sequence-Number	Enumerated Unsigned32 Enumerated Grouped Unsigned32	20.020 [1]
740	One-Time-Notification Requested-Nodes Serving-Node-Indication Repository-Data-ID	Enumerated Unsigned32 Enumerated Grouped	20.020 [1]
110	One-Time-Notification Requested-Nodes Serving-Node-Indication	Enumerated Unsigned32 Enumerated	20.020 [1]
	One-Time-Notification Requested-Nodes	Enumerated Unsigned32	20.020 [1]
	One-Time-Notification	Enumerated	20.020 [1]
			20.020 [1]
	DOAITAG		
	DSAI-Tag	OctetString	29.329 [4]
710	Send-Data-Indication	Enumerated	
	Expiry-Time	Time	
	Identity-Set	Enumerated	
	Current-Location	Enumerated	
	Requested-Domain	Enumerated	
	Subs-Req-Type	Enumerated	
	Service-Indication	OctetString	
	Data-Reference	Enumerated	
	User-Data	OctetString	
	MSISDN	OctetString	
	User-Identity	Grouped	
	The AVP codes from 659 to 699 are reserved for TS 29.229.	, c ccg	
	WebRTC-Web-Server-Function-Name	UTF8String	
	WebRTC-Authentication-Function-Name	UTF8String	
	Allowed-WAF-WWSF-Identities	Grouped	
	SAR-Flags	Unsigned32	
	Initial-CSeq-Sequence-Number	Unsigned32	
	LIA-Flags	Unsigned32	
	Priviledged-Sender-Indication	Enumerated	
	Identity-with-Emergency-Registration	Grouped	
	Session-Priority	Enumerated	
	Restoration-Info	Grouped	
	Multiple-Registration-Indication	Enumerated	
	Associated-Registered-Identities	Grouped	
	Record-Route	OctetString	
	To-SIP-Header	OctetString	
	From-SIP-Header	OctetString	
	Call-ID-SIP-Header	OctetString	
	Subscription-Info	Grouped	
	Contact	OctetString	
640		OctetString	
	SCSCF-Restoration-Info	Grouped	
	Loose-Route-Indication	Enumerated	
	UAR-Flags	Unsigned32	
	Wildcarded-IMPU	UTF8String	
	SIP-Digest-Authenticate	Grouped	
	Wildcarded-Public-Identity	UTF8String	
	Originating-Request	Enumerated	
	Associated-Identities	Grouped	
	Supported-Applications	Grouped	
	Feature-List	Unsigned32	
	Feature-List-ID	Unsigned32	
	Supported-Features	Grouped	
	User-Data-Request-Type	Enumerated	
	Integrity-Key	OctetString	
	Confidentiality-Key	OctetString	
	User-Data-Already-Available	Enumerated	
	User-Authorization-Type	Enumerated	
	Secondary-Charging-Collection-Function-Name	DiameterURI	
621	Primary-Charging-Collection-Function-Name	DiameterURI	

24   SIP-Method			
26 Content-Type         UTF8String           27 Content-Length         Unsigned32           28 Content-Disposition         UTF8String           29 Role-of-Node         Enumerated           20 User-Session-Id         UTF8String           31 Called-Party-Address         UTF8String           31 Called-Party-Address         UTF8String           31 Time-Stamps         Grouped           31 SIP-Response-Timestamp         Time           31 SIP-Response-Timestamp         Time           32 Application-Server         UTF8String           33 Application-Server Journal String         UTF8String           34 Application-provided-called-party-address         UTF8String           35 Inter-Operator-Identifier         Grouped           36 Inter-Operator-Identifier         UTF8String           37 Application-provided-called-party-address         UTF8String           38 Inter-Operator-Identifier         UTF8String           40 Terminating-IOI         UTF8String           41 Time-Interpretation-provided-called-party-address         UTF8String           42 SDP-Media-Component         Grouped           43 SDP-Media-Name         UTF8String           45 GSDN-Address         Address           46 GSA-Address         Address			
27   Content-Length			UTF8String
28   Content-Disposition			
28 Role-of-Node			-
30   User-Session-Id			
1   Calling-Party-Address			
32   Called-Party-Address   UTF8String			UTF8String
			UTF8String
Sistrage	333	Time-Stamps	Grouped
	334	SIP-Request-Timestamp	Time
UTF8String   37   Application-Porvided-called-party-address   UTF8String   38   Inter-Operator-Identifier   Grouped   Grouped   UTF8String   39   Originating-IOI   UTF8String   SDP-Becia-Component   Grouped   SDP-Becia-Component   Grouped   UTF8String   UTF8S	335	SIP-Response-Timestamp	Time
37   Application-provided-called-party-address   UTF8String			UTF8String
39 Originating-IOI			
1			
41 IMIS-Charging-Identifier         UTF8String           42 SDP-Session-Description         UTF8String           43 SDP-Media-Component         Grouped           44 SDP-Media-Description         UTF8String           45 SDP-Media-Description         UTF8String           46 CG-Address         Address           47 GGSN-Address         Address           48 Served-Party-IP-Address         Address           49 Authorized-QoS         UTF8String           50 Application-Server-Information         Grouped           51 Trunk-Group-Id         Grouped           52 Incoming-Trunk-Group-Id         UTF8String           53 Outgoing-Trunk-Group-Id         UTF8String           54 Bearer-Service         OctetString           55 Service-Id         UTF8String           56 Associated-URI         UTF8String           57 Charged-Party         UTF8String           58 PoC-Controlling-Address         UTF8String           59 PoC-Controlling-Address         UTF8String           60 Cause         Grouped           61 Cause-Code         Integer32           Rode-Puntionality         Enumerated           61 Crouped-Party-Eropen-Free-Format-Data         UTF8String           61 PS-Furnish-Charging-Information         Grouped<			
42 SDP-Session-Description         UTF8String           43 SDP-Media-Name         UTF8String           45 SDP-Media-Description         UTF8String           45 SDP-Media-Description         UTF8String           45 SDP-Media-Description         UTF8String           46 CG-Address         Address           47 GGSN-Address         Address           48 Served-Party-IP-Address         Address           49 Authorized-QoS         UTF8String           50 Application-Server-Information         Grouped           51 Trunk-Group-Id         Grouped           52 Incoming-Trunk-Group-Id         UTF8String           53 Outgoing-Trunk-Group-Id         UTF8String           54 Bearer-Service         OctetString           55 Service-Id         UTF8String           56 Associated-URI         UTF8String           57 Charged-Party         UTF8String           58 Poc-Controlling-Address         UTF8String           59 Poc-Controlling-Address         UTF8String           50 Cause         Grouped           61 Cause-Code         Integer32           62 Node-Functionality         Enumerated           63 Service-Specific-Data         UTF8String           64 Originator         Enumerated <td< td=""><td></td><td></td><td></td></td<>			
3 SDP-Media-Component			
44 SDP-Media-Name         UTF8String           45 SDP-Media-Description         UTF8String           46 CG-Address         Address           47 GGSN-Address         Address           48 Served-Party-IP-Address         Address           49 Authorized-QoS         UTF8String           50 Application-Server-Information         Grouped           51 Trunk-Group-Id         UTF8String           52 Utgoing-Trunk-Group-Id         UTF8String           53 Outgoing-Trunk-Group-Id         UTF8String           54 Bearer-Service         OctetString           55 Service-Id         UTF8String           56 Associated-URI         UTF8String           57 Charged-Party         UTF8String           58 PoC-Group-Name         UTF8String           59 PoC-Group-Name         UTF8String           60 Cause         Grouped           61 Cause-Code         Integer32           62 Node-Functionality         Enumerated           63 Service-Specific-Data         UTF8String           64 Originator         Enumerated           65 PS-Furnish-Charging-Information         Grouped           66 PS-Free-Format-Data         Enumerated           67 PS-Append-Free-Format-Data         Enumerated           68 Time			
45         SDP-Media-Description         UTF8String           46         CG-Address         Address           47         GGSN-Address         Address           48         Served-Party-IP-Address         Address           49         Authorized-QoS         UTF8String           50         Application-Server-Information         Grouped           51         Trunk-Group-Id         UTF8String           52         Incoming-Trunk-Group-Id         UTF8String           54         Bearer-Service         OctetString           55         Service-Id         UTF8String           56         Associated-URI         UTF8String           57         Charged-Party         UTF8String           58         PoC-Controlling-Address         UTF8String           59         PoC-Group-Name         UTF8String           60         Cause         Grouped           61         Cause         Grouped           61         Cause-Code         Integer32           62         Node-Functionality         Enumerated           63         Service-Specific-Data         UTF8String           64         Originator         Enumerated           65         PS-Free-Format-Da			
46 CG-Address         Address           47 GGSN-Address         Address           48 Served-Party-IP-Address         Address           49 Authorized-QoS         UTF8String           50 Application-Server-Information         Grouped           51 Trunk-Group-Id         UTF8String           52 Incoming-Trunk-Group-Id         UTF8String           53 Outgoing-Trunk-Group-Id         UTF8String           54 Bearer-Service         OctetString           55 Service-Id         UTF8String           56 Associated-URI         UTF8String           57 Charged-Party         UTF8String           58 PoC-Controlling-Address         UTF8String           59 PoC-Cortrolling-Address         UTF8String           60 Cause         Grouped           61 Cause-Code         Integer32           62 Node-Functionality         Enumerated           63 Service-Specific-Data         UTF8String           64 Originator         Enumerated           65 PS-Furnish-Charging-Information         Grouped           66 PS-Free-Format-Data         Enumerated           67 PS-Append-Free-Format-Data         Enumerated           68 Time-Quota-Threshold         Unsigned32           70 Trigger-Type         Enumerated			
GGSN-Address			
48 Served-Party-IP-Address 49 Authorized-QoS 50 Application-Server-Information 51 Trunk-Group-Id 52 Incoming-Trunk-Group-Id 53 Outgoing-Trunk-Group-Id 54 Bearer-Service 55 Service-Id 56 Associated-URI 57 Charged-Party 58 PoC-Controlling-Address 59 PoC-Group-Name 50 Cause 50 Cause 51 Cause-Code 52 Integrals 53 Service-Id 54 Service-Id 55 Service-Id 56 Associated-URI 57 Charged-Party 58 PoC-Controlling-Address 59 PoC-Group-Name 59 PoC-Group-Name 50 Cause 61 Cause-Code 61 Cause-Code 61 Cause-Code 62 Node-Functionality 63 Service-Specific-Data 64 Originator 65 PS-Furnish-Charging-Information 66 PS-Furnish-Charging-Information 67 PS-Append-Free-Format-Data 68 Time-Quota-Threshold 69 PS-Free-Format-Data 60 PS-Free-Format-Data 61 Cause-Unding-Time 62 Quota-Holding-Time 63 Cause-Unsigned-Service 64 Unsigned-Service-Specific-Data 65 PS-Immerated 66 PS-Free-Format-Data 67 PS-Append-Free-Format-Data 68 Time-Quota-Threshold 69 Unsigned-Service-Normation 60 PS-Free-Formation 60 Grouped 61 Cause-Code 62 Normation 63 Grouped 64 PS-Information 64 Origin-Type 65 PS-Immerated 66 PS-Free-Formation 66 PS-Free-Formation 67 PS-Append-Free-Formation 68 Time-Quota-Threshold 69 PS-Free-Formation 70 Trigger-Type 71 Cause-Type 72 Enumerated 73 Service-Information 74 PS-Information 75 Grouped 76 Reserved 77 Trigger-Type 78 Enumerated 79 PC-Information 79 Grouped 70 MMS-Information 70 Grouped 71 MS-Information 71 Grouped 72 MS-Information 73 Grouped 74 PS-Information 75 Grouped 76 Reserved 77 MS-Information 77 Grouped 78 LCS-Information 78 Grouped 79 PC-Information 79 Grouped 79 PC-Information 79 Grouped 70 MS-Information 70 Grouped 71 MS-Information 71 Grouped 72 Reserver-Role 73 Enumerated 74 PS-Information 75 Grouped 76 Reserver-Role 77 Inger-Type 78 Enumerated 79 PoC-Server-Role 70 Inger-Type 71 Quota-Type 72 Enumerated 73 PoC-Server-Role 74 PoS-Information 75 Grouped 76 Reserver-Role 77 Inger-Type 77 Inger-Type 78 Enumerated 79 PoC-Information 99 PoC-Information 99 PoC-Information 99 PoC-Information 99 PoC-Information 99 PoC-Informati			
Authorized-QoS			
50         Application-Server-Information         Grouped           51         Trunk-Group-Id         Grouped           52         Incoming-Trunk-Group-Id         UTF8String           53         Outgoing-Trunk-Group-Id         UTF8String           54         Bearer-Service         OctetString           55         Service-Id         UTF8String           56         Associated-URI         UTF8String           57         Charged-Party         UTF8String           58         PoC-Controlling-Address         UTF8String           59         PoC-Group-Name         UTF8String           60         Cause         Grouped           61         Cause         Grouped           61         Cause         Grouped           62         Node-Functionality         Enumerated           63         Service-Specific-Data         UTF8String           64         Originator         Enumerated           65         PS-Funnish-Charging-Information         Grouped           66         PS-Free-Format-Data         Drisgned32           67         PS-Append-Free-Format-Data         Enumerated           68         Time-Quota-Threshold         Unsigned32           70			
51         Trunk-Group-Id         Grouped           52         Incoming-Trunk-Group-Id         UTF8String           53         Outgoing-Trunk-Group-Id         UTF8String           54         Bearer-Service         OctetString           55         Service-Id         UTF8String           56         Associated-URI         UTF8String           57         Charged-Party         UTF8String           58         PoC-Controlling-Address         UTF8String           59         PoC-Group-Name         UTF8String           60         Cause         Grouped           61         Cause-Code         Integer32           62         Node-Functionality         Enumerated           63         Service-Specific-Data         UTF8String           64         Originator         Enumerated           65         PS-Furnish-Charging-Information         Grouped           66         PS-Free-Format-Data         OctetString           67         PS-Free-Format-Data         Enumerated           68         Time-Quota-Threshold         Unsigned32           70         Trigger-Type         Enumerated           70         Trigger-Type         Enumerated           72 <td></td> <td></td> <td></td>			
52         Incoming-Trunk-Group-Id         UTF8String           53         Outgoing-Trunk-Group-Id         UTF8String           54         Bearer-Service         OctetString           55         Service-Id         UTF8String           56         Associated-URI         UTF8String           57         Charged-Party         UTF8String           58         PoC-Controlling-Address         UTF8String           59         PoC-Group-Name         UTF8String           60         Cause         Grouped           61         Cause-Code         Integer32           61         Cause-Code         Integer32           62         Node-Functionality         Enumerated           63         Service-Specific-Data         UTF8String           64         Originator         Enumerated           65         PS-Funish-Charging-Information         Grouped           66         PS-Free-Format-Data         OctetString           67         PS-Append-Free-Format-Data         Enumerated           68         Time-Quota-Threshold         Unsigned32           69         Volume-Quota-Threshold         Unsigned32           70         Trigger-Type         Enumerated			
53         Outgoing-Trunk-Group-Id         UTF8String           54         Bearer-Service         OctetString           55         Service-Id         UTF8String           56         Associated-URI         UTF8String           57         Charged-Party         UTF8String           58         PoC-Controlling-Address         UTF8String           60         Cause         Grouped           61         Cause         Grouped           61         Cause-Code         Integer32           62         Node-Functionality         Enumerated           63         Service-Specific-Data         UTF8String           64         Originator         Enumerated           65         PS-Funrish-Charging-Information         Grouped           66         PS-Free-Format-Data         OctetString           67         PS-Append-Free-Format-Data         Enumerated           68         Time-Quota-Threshold         Unsigned32           69         Volume-Quota-Threshold         Unsigned32           71         Quota-Holding-Time         Unsigned32           72         Reporting-Reason         Enumerated           73         Service-Information         Grouped           <			
54         Bearer-Service         OctetString           55         Service-Id         UTF8String           56         Associated-URI         UTF8String           57         Charged-Party         UTF8String           58         PoC-Controlling-Address         UTF8String           59         PoC-Group-Name         UTF8String           61         Cause         Grouped           61         Cause-Code         Integer32           62         Node-Functionality         Enumerated           63         Service-Specific-Data         UTF8String           63         Service-Specific-Data         UTF8String           65         PS-Furnish-Charging-Information         Grouped           65         PS-Furnish-Charging-Information         Grouped           66         PS-Free-Format-Data         Descripting-Reson           67         PS-Append-Free-Format-Data         Enumerated           68         Time-Quota-Threshold         Unsigned32           70         Trigger-Type         Enumerated           71         Quota-Holding-Time         Unsigned32           72         Reporting-Reason         Enumerated           74         PS-Information         Grouped			Ŭ
55         Service-Id         UTF8String           56         Associated-URI         UTF8String           57         Charged-Party         UTF8String           58         PoC-Controlling-Address         UTF8String           59         PoC-Group-Name         UTF8String           60         Cause         Grouped           61         Cause-Code         Integer32           62         Node-Functionality         Enumerated           63         Service-Specific-Data         UTF8String           64         Originator         Enumerated           65         PS-Furnish-Charging-Information         Grouped           66         PS-Free-Format-Data         Enumerated           67         PS-Append-Free-Format-Data         Enumerated           68         Time-Quota-Threshold         Unsigned32           70         Trigger-Type         Enumerated           71         Quota-Holding-Time         Unsigned32           72         Reporting-Reason         Enumerated           73         Reserved         -           74         PS-Information         Grouped           75         Reserved         -           76         IMS-Information			
56         Associated-URI         UTF8String           57         Charged-Party         UTF8String           58         PoC-Controlling-Address         UTF8String           59         PoC-Group-Name         UTF8String           60         Cause         Grouped           61         Cause-Code         Integer32           62         Node-Functionality         Enumerated           63         Service-Specific-Data         UTF8String           64         Originator         Enumerated           65         PS-Furnish-Charging-Information         Grouped           66         PS-Free-Format-Data         OctetString           67         PS-Append-Free-Format-Data         Enumerated           68         Time-Quota-Threshold         Unsigned32           69         Volume-Quota-Threshold         Unsigned32           70         Trigger-Type         Enumerated           71         Quota-Holding-Time         Unsigned32           70         Trigger-Type         Enumerated           72         Reporting-Reason         Enumerated           73         Service-Information         Grouped           74         PS-Information         Grouped <t< td=""><td></td><td></td><td></td></t<>			
57 Charged-Party 58 PoC-Controlling-Address 59 PoC-Group-Name 50 Cause 60 Cause 61 Cause-Code 61 Cause-Code 62 Integer32 63 Service-Specific-Data 64 Originator 65 Poc-Independent			
58         PoC-Controlling-Address         UTF8String           59         PoC-Group-Name         UTF8String           61         Cause         Grouped           61         Cause-Code         Integer32           62         Node-Functionality         Enumerated           63         Service-Specific-Data         UTF8String           64         Originator         Enumerated           65         PS-Furnish-Charging-Information         Grouped           66         PS-Free-Format-Data         Enumerated           67         PS-Append-Free-Format-Data         Enumerated           68         Time-Quota-Threshold         Unsigned32           69         Volume-Quota-Threshold         Unsigned32           69         Volume-Quota-Threshold         Unsigned32           71         Quota-Holding-Time         Unsigned32           72         Reporting-Reason         Enumerated           73         Service-Information         Grouped           74         PS-Information         Grouped           75         Reserved         -           76         IMS-Information         Grouped           77         MMS-Information         Grouped           81 <td></td> <td></td> <td></td>			
59         PoC-Group-Name         UTF8String           60         Cause         Grouped           61         Cause-Code         Integer32           62         Node-Functionality         Enumerated           63         Service-Specific-Data         UTF8String           64         Originator         Enumerated           65         PS-Furnish-Charging-Information         Grouped           66         PS-Free-Format-Data         OctetString           67         PS-Append-Free-Format-Data         Enumerated           68         Time-Quota-Threshold         Unsigned32           69         Volume-Quota-Threshold         Unsigned32           70         Trigger-Type         Enumerated           71         Quota-Holding-Time         Unsigned32           72         Reporting-Reason         Enumerated           73         Service-Information         Grouped           74         PS-Information         Grouped           75         Reserved         -           76         IMS-Information         Grouped           77         MMS-Information         Grouped           78         LCS-Information         Grouped           80         MBMS-			
60 Cause 61 Cause-Code 62 Node-Functionality 63 Service-Specific-Data 64 Originator 65 PS-Furnish-Charging-Information 66 PS-Free-Format-Data 67 PS-Append-Free-Format-Data 68 Time-Quota-Threshold 69 Volume-Quota-Threshold 60 Unsigned32 61 Unsigned32 62 Volume-Quota-Threshold 63 Service-Information 64 Dright Grouped 65 PS-Furnish-Charging-Information 66 PS-Free-Format-Data 67 PS-Append-Free-Format-Data 68 Drime-Quota-Threshold 69 Unsigned32 60 Volume-Quota-Threshold 60 Unsigned32 61 Unsigned32 62 Volume-Quota-Threshold 63 Unsigned32 64 Unsigned32 65 Unsigned32 66 Unsigned32 67 Trigger-Type 68 Enumerated 68 PS-Free-Formation 69 Grouped 69 Crouped 60 Unsigned32 60 Unsigned32 61 Unsigned32 62 Reporting-Reason 69 Enumerated 60 Crouped 61 Unsigned32 61 Unsigned32 62 Unsigned32 63 Unsigned32 64 Unsigned32 65 Unsigned32 65 Unsigned32 66 Unsigned32 67 Unsigned32 68 PoC-Server-Role 68 Enumerated 68 PoC-Server-Role 68 Unsigned32 68 Originator-Address 68 Grouped 68 Unsigned32 68 Originator-Address 68 Originator-Address 68 Originator-Address 68 Originator-Involved 68 UTF8String			
61       Cause-Code       Integer32         62       Node-Functionality       Enumerated         63       Service-Specific-Data       UTF8String         64       Originator       Enumerated         65       PS-Furnish-Charging-Information       Grouped         66       PS-Free-Format-Data       OctetString         67       PS-Append-Free-Format-Data       Enumerated         68       Time-Quota-Threshold       Unsigned32         69       Volume-Quota-Threshold       Unsigned32         70       Trigger-Type       Enumerated         71       Quota-Holding-Time       Unsigned32         72       Reporting-Reason       Enumerated         73       Service-Information       Grouped         74       PS-Information       Grouped         75       Reserved       -         76       IMS-Information       Grouped         77       MMS-Information       Grouped         78       LCS-Information       Grouped         79       PoC-Information       Grouped         80       MBMS-Information       Grouped         81       Quota-Consumption-Time       Unsigned32         82       Media-Ini			
62       Node-Functionality       Enumerated         63       Service-Specific-Data       UTF8String         64       Originator       Enumerated         65       PS-Funish-Charging-Information       Grouped         66       PS-Free-Format-Data       OctetString         67       PS-Append-Free-Format-Data       Enumerated         68       Time-Quota-Threshold       Unsigned32         69       Volume-Quota-Threshold       Unsigned32         70       Trigger-Type       Enumerated         71       Quota-Holding-Time       Unsigned32         72       Reporting-Reason       Enumerated         73       Service-Information       Grouped         74       PS-Information       Grouped         75       Reserved       -         76       IMS-Information       Grouped         77       MS-Information       Grouped         78       LCS-Information       Grouped         79       PoC-Information       Grouped         80       MBMS-Information       Grouped         81       Quota-Consumption-Time       Unsigned32         82       Media-Initiator-Flag       Enumerated         83			
63       Service-Specific-Data       UTF8String         64       Originator       Enumerated         65       PS-Furnish-Charging-Information       Grouped         66       PS-Free-Format-Data       OctetString         67       PS-Append-Free-Format-Data       Enumerated         68       Time-Quota-Threshold       Unsigned32         69       Volume-Quota-Threshold       Unsigned32         70       Trigger-Type       Enumerated         71       Quota-Holding-Time       Unsigned32         72       Reporting-Reason       Enumerated         73       Service-Information       Grouped         74       PS-Information       Grouped         75       Reserved       -         76       IMS-Information       Grouped         77       MMS-Information       Grouped         78       LCS-Information       Grouped         80       MBMS-Information       Grouped         81       Quota-Consumption-Time       Unsigned32         82       Media-Initiator-Flag       Enumerated         83       PoC-Session-Type       Enumerated         84       PoC-Session-Type       Enumerated         85			
64OriginatorEnumerated65PS-Furnish-Charging-InformationGrouped66PS-Free-Format-DataOctetString67PS-Append-Free-Format-DataEnumerated68Time-Quota-ThresholdUnsigned3269Volume-Quota-ThresholdUnsigned3270Trigger-TypeEnumerated71Quota-Holding-TimeUnsigned3272Reporting-ReasonEnumerated73Service-InformationGrouped74PS-InformationGrouped75Reserved-76IMS-InformationGrouped77MMS-InformationGrouped78LCS-InformationGrouped79PoC-InformationGrouped80MBMS-InformationGrouped81Quota-Consumption-TimeUnsigned3282Media-Initiator-FlagEnumerated83PoC-Server-RoleEnumerated84PoC-Session-TypeEnumerated85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
65 PS-Furnish-Charging-Information 66 PS-Free-Format-Data 67 PS-Append-Free-Format-Data 68 Time-Quota-Threshold 69 Volume-Quota-Threshold 60 Volume-Quota-Threshold 60 Volume-Quota-Threshold 60 Unsigned32 60 Volume-Quota-Threshold 61 Unsigned32 62 Unsigned32 63 Volume-Quota-Threshold 65 Unsigned32 66 Unsigned32 67 Trigger-Type 67 Enumerated 68 Enumerated 69 Volume-Quota-Threshold 69 Unsigned32 60 Unsigned32 61 Unsigned32 62 Reporting-Reason 63 Enumerated 64 PS-Information 65 Grouped 66 PS-Free-Format-Data 66 Unsigned32 66 Unsigned32 67 Information 67 Grouped 68 UCS-Information 67 Grouped 68 UCS-Information 67 Grouped 68 MBMS-Information 67 Grouped 68 MBMS-Information 67 Grouped 68 Unsigned32 68 Media-Initiator-Flag 68 Enumerated 68 PoC-Session-Type 68 Enumerated 68 Number-Of-Participants 68 Originator-Address 68 Grouped 68 Participants-Involved 68 UTF8String			
66PS-Free-Format-DataOctetString67PS-Append-Free-Format-DataEnumerated68Time-Quota-ThresholdUnsigned3269Volume-Quota-ThresholdUnsigned3270Trigger-TypeEnumerated71Quota-Holding-TimeUnsigned3272Reporting-ReasonEnumerated73Service-InformationGrouped74PS-InformationGrouped75Reserved-76IMS-InformationGrouped77MMS-InformationGrouped78LCS-InformationGrouped79PoC-InformationGrouped80MBMS-InformationGrouped81Quota-Consumption-TimeUnsigned3282Media-Initiator-FlagEnumerated83PoC-Server-RoleEnumerated84PoC-Session-TypeEnumerated85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
67PS-Append-Free-Format-DataEnumerated68Time-Quota-ThresholdUnsigned3269Volume-Quota-ThresholdUnsigned3270Trigger-TypeEnumerated71Quota-Holding-TimeUnsigned3272Reporting-ReasonEnumerated73Service-InformationGrouped74PS-InformationGrouped75Reserved-76IMS-InformationGrouped77MMS-InformationGrouped78LCS-InformationGrouped79PoC-InformationGrouped80MBMS-InformationGrouped81Quota-Consumption-TimeUnsigned3282Media-Initiator-FlagEnumerated83PoC-Server-RoleEnumerated84PoC-Session-TypeEnumerated85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
68 Time-Quota-Threshold         Unsigned32           69 Volume-Quota-Threshold         Unsigned32           70 Trigger-Type         Enumerated           71 Quota-Holding-Time         Unsigned32           72 Reporting-Reason         Enumerated           73 Service-Information         Grouped           74 PS-Information         Grouped           75 Reserved         -           76 IMS-Information         Grouped           77 MMS-Information         Grouped           78 LCS-Information         Grouped           79 PoC-Information         Grouped           80 MBMS-Information         Grouped           81 Quota-Consumption-Time         Unsigned32           82 Media-Initiator-Flag         Enumerated           83 PoC-Server-Role         Enumerated           84 PoC-Session-Type         Enumerated           85 Number-Of-Participants         Unsigned32           86 Originator-Address         Grouped           87 Participants-Involved         UTF8String			
69Volume-Quota-ThresholdUnsigned3270Trigger-TypeEnumerated71Quota-Holding-TimeUnsigned3272Reporting-ReasonEnumerated73Service-InformationGrouped74PS-InformationGrouped75Reserved-76IMS-InformationGrouped77MMS-InformationGrouped78LCS-InformationGrouped79PoC-InformationGrouped80MBMS-InformationGrouped81Quota-Consumption-TimeUnsigned3282Media-Initiator-FlagEnumerated83PoC-Server-RoleEnumerated84PoC-Session-TypeEnumerated85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
70         Trigger-Type         Enumerated           71         Quota-Holding-Time         Unsigned32           72         Reporting-Reason         Enumerated           73         Service-Information         Grouped           74         PS-Information         Grouped           75         Reserved         -           76         IMS-Information         Grouped           77         MMS-Information         Grouped           78         LCS-Information         Grouped           79         PoC-Information         Grouped           80         MBMS-Information         Grouped           81         Quota-Consumption-Time         Unsigned32           82         Media-Initiator-Flag         Enumerated           83         PoC-Server-Role         Enumerated           84         PoC-Session-Type         Enumerated           85         Number-Of-Participants         Unsigned32           86         Originator-Address         Grouped           87         Participants-Involved         UTF8String			
71         Quota-Holding-Time         Unsigned32           72         Reporting-Reason         Enumerated           73         Service-Information         Grouped           74         PS-Information         Grouped           75         Reserved         -           76         IMS-Information         Grouped           77         MMS-Information         Grouped           78         LCS-Information         Grouped           79         PoC-Information         Grouped           80         MBMS-Information         Grouped           81         Quota-Consumption-Time         Unsigned32           82         Media-Initiator-Flag         Enumerated           83         PoC-Server-Role         Enumerated           84         PoC-Session-Type         Enumerated           85         Number-Of-Participants         Unsigned32           86         Originator-Address         Grouped           87         Participants-Involved         UTF8String		·	
72Reporting-ReasonEnumerated73Service-InformationGrouped74PS-InformationGrouped75Reserved-76IMS-InformationGrouped77MMS-InformationGrouped78LCS-InformationGrouped79PoC-InformationGrouped80MBMS-InformationGrouped81Quota-Consumption-TimeUnsigned3282Media-Initiator-FlagEnumerated83PoC-Server-RoleEnumerated84PoC-Session-TypeEnumerated85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
73         Service-Information         Grouped           74         PS-Information         Grouped           75         Reserved         -           76         IMS-Information         Grouped           77         MMS-Information         Grouped           78         LCS-Information         Grouped           79         PoC-Information         Grouped           80         MBMS-Information         Grouped           81         Quota-Consumption-Time         Unsigned32           82         Media-Initiator-Flag         Enumerated           83         PoC-Server-Role         Enumerated           84         PoC-Session-Type         Enumerated           85         Number-Of-Participants         Unsigned32           86         Originator-Address         Grouped           87         Participants-Involved         UTF8String			Unsigned32
73         Service-Information         Grouped           74         PS-Information         Grouped           75         Reserved         -           76         IMS-Information         Grouped           77         MMS-Information         Grouped           78         LCS-Information         Grouped           79         PoC-Information         Grouped           80         MBMS-Information         Grouped           81         Quota-Consumption-Time         Unsigned32           82         Media-Initiator-Flag         Enumerated           83         PoC-Server-Role         Enumerated           84         PoC-Session-Type         Enumerated           85         Number-Of-Participants         Unsigned32           86         Originator-Address         Grouped           87         Participants-Involved         UTF8String			Enumerated
74         PS-Information         Grouped           75         Reserved         -           76         IMS-Information         Grouped           77         MMS-Information         Grouped           78         LCS-Information         Grouped           79         PoC-Information         Grouped           80         MBMS-Information         Grouped           81         Quota-Consumption-Time         Unsigned32           82         Media-Initiator-Flag         Enumerated           83         PoC-Server-Role         Enumerated           84         PoC-Session-Type         Enumerated           85         Number-Of-Participants         Unsigned32           86         Originator-Address         Grouped           87         Participants-Involved         UTF8String			Grouped
75         Reserved         -           76         IMS-Information         Grouped           77         MMS-Information         Grouped           78         LCS-Information         Grouped           79         PoC-Information         Grouped           80         MBMS-Information         Grouped           81         Quota-Consumption-Time         Unsigned32           82         Media-Initiator-Flag         Enumerated           83         PoC-Server-Role         Enumerated           84         PoC-Session-Type         Enumerated           85         Number-Of-Participants         Unsigned32           86         Originator-Address         Grouped           87         Participants-Involved         UTF8String			
76         IMS-Information         Grouped           77         MMS-Information         Grouped           78         LCS-Information         Grouped           79         PoC-Information         Grouped           80         MBMS-Information         Grouped           81         Quota-Consumption-Time         Unsigned32           82         Media-Initiator-Flag         Enumerated           83         PoC-Server-Role         Enumerated           84         PoC-Session-Type         Enumerated           85         Number-Of-Participants         Unsigned32           86         Originator-Address         Grouped           87         Participants-Involved         UTF8String			-
77         MMS-Information         Grouped           78         LCS-Information         Grouped           79         PoC-Information         Grouped           80         MBMS-Information         Grouped           81         Quota-Consumption-Time         Unsigned32           82         Media-Initiator-Flag         Enumerated           83         PoC-Server-Role         Enumerated           84         PoC-Session-Type         Enumerated           85         Number-Of-Participants         Unsigned32           86         Originator-Address         Grouped           87         Participants-Involved         UTF8String			Grouped
78         LCS-Information         Grouped           79         PoC-Information         Grouped           80         MBMS-Information         Grouped           81         Quota-Consumption-Time         Unsigned32           82         Media-Initiator-Flag         Enumerated           83         PoC-Server-Role         Enumerated           84         PoC-Session-Type         Enumerated           85         Number-Of-Participants         Unsigned32           86         Originator-Address         Grouped           87         Participants-Involved         UTF8String			
79         PoC-Information         Grouped           80         MBMS-Information         Grouped           81         Quota-Consumption-Time         Unsigned32           82         Media-Initiator-Flag         Enumerated           83         PoC-Server-Role         Enumerated           84         PoC-Session-Type         Enumerated           85         Number-Of-Participants         Unsigned32           86         Originator-Address         Grouped           87         Participants-Involved         UTF8String			
80MBMS-InformationGrouped81Quota-Consumption-TimeUnsigned3282Media-Initiator-FlagEnumerated83PoC-Server-RoleEnumerated84PoC-Session-TypeEnumerated85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
81Quota-Consumption-TimeUnsigned3282Media-Initiator-FlagEnumerated83PoC-Server-RoleEnumerated84PoC-Session-TypeEnumerated85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
82Media-Initiator-FlagEnumerated83PoC-Server-RoleEnumerated84PoC-Session-TypeEnumerated85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
83PoC-Server-RoleEnumerated84PoC-Session-TypeEnumerated85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
84PoC-Session-TypeEnumerated85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
85Number-Of-ParticipantsUnsigned3286Originator-AddressGrouped87Participants-InvolvedUTF8String			
86 Originator-Address Grouped 87 Participants-Involved UTF8String			
87 Participants-Involved UTF8String			
oo jexpiies   Unsianea32			
	აგგ	Expires	Unsigned32

	Message-Body	Grouped	
	Reserved	-	
	Address-Data	UTF8String	
	Address-Domain	Grouped	
899	Address-Type	Enumerated	
200	TMOL	0-4404	
	TMGI	OctectString	
	Required-MBMS-Bearer-Capabilities	UTF8String	
	MBMS-StartStop-Indication	Enumerated	
	MBMS-Service-Area	OctectString	
	MBMS-Session-Duration	Unsigned32	
	Alternative-APN	UTF8String	
	MBMS-Service-Type MBMS-2G-3G-Indicator	Enumerated Enumerated	
	MBMS-Session-Identity	OctetString	
909		UTF8String	
	Additional-MBMS-Trace-Info	OctetString	
	MBMS-Time-To-Data-Transfer	Unsigned32	
	MBMS-Session-Identity-Repetition-Number	Unsigned32	
	MBMS-Required-QoS	UTF8String	
	MBMS-Counting-Information	Enumerated	
	MBMS-User-Data-Mode-Indication	Enumerated	
	MBMS-GGSN-Address	UTF8String	
	MBMS-GGSN-IPv6-Address	UTF8String	29.061 [13]
	MBMS-BMSC-SSM-IP-Address	UTF8String	20.001 [10]
	MBMS-BMSC-SSM-IPv6-Address	UTF8String	
	MBMS-Flow-Identifier	OctetString	
	CN-IP-Multicast-Distribution	Enumerated	
	MBMS-HC-Indicator	Enumerated	
	MBMS-Access-Indicator	Enumerated	
	MBMS-GW-SSM-IP-Address	OctetString	
	MBMS-GW-SSM-IPv6-Address	OctetString	
	MBMS-BMSC-SSM-UDP-Port	OctetString	
	MBMS-GW-UDP-Port	OctetString	
	MBMS-GW-UDP-Port-Indicator	Enumerated	
	MBMS-Data-Transfer-Start	Unsigned64	
930	MBMS-Data-Transfer-Stop	Unsigned64	
	MBMS-Flags	Unsigned32	
	Restart-Counter	Unsigned32	
	Diagnostic-Info	Unsigned32	
	MBMS-Cell-List	OctetString	
	The AVP codes from 935 to 999 are reserved for TS 29.061		
	Bearer-Usage	Enumerated	
	Charging-Rule-Install	Grouped	
	Charging-Rule-Remove	Grouped	
	Charging-Rule-Definition	Grouped	
	Charging-Rule-Base-Name	UTF8String	
	Charging-Rule-Name	OctetString	
	Event-Trigger	Enumerated	
	Metering-Method	Enumerated	00 040 [40]
	Offline	Enumerated	29.212 [19]
	Online	Enumerated	
	Precedence	Unsigned32	
	Reporting-Level	Enumerated	
	TFT-Filter TET Packet Filter Information	IPFilterRule Grouped	
	TFT-Packet-Filter-Information ToS-Traffic-Class	Grouped	
	QoS-Information	OctetString Grouped	
10.18	Charging-Rule-Report	Grouped	

1019 PCC-Rule-Status	Enumerated
1020 Bearer-Identifier	OctetString
1021 Bearer-Operation	Enumerated
1022 Access-Network-Charging-Identifier-Gx	Grouped
1023 Bearer-Control-Mode	Enumerated
1024 Network-Request-Support	Enumerated
1025 Guaranteed-Bitrate-DL	Unsigned32
1026 Guaranteed-Bitrate-UL	Unsigned32
1027 IP-CAN-Type	Enumerated
1028 QoS-Class-Identifier	Enumerated
1029 QoS-Negotiation	Enumerated
1030 QoS-Upgrade	Enumerated
1031 Rule-Failure-Code	Enumerated
1032 RAT-Type	Enumerated
1033 Event-Report-Indication	Grouped
1034 Allocation-Retention-Priority	Grouped
1035 CoA-IP-Address	Address
1036 Tunnel-Header-Filter	IPFilterRule
1037 Tunnel-Header-Length	Unsigned32
1038 Tunnel-Information	Grouped
1039 CoA-Information	Grouped
1040 APN-Aggregate-Max-Bitrate-DL	Unsigned32
1041 APN-Aggregate-Max-Bitrate-UL	Unsigned32
1042 Revalidation-Time	Time
1043 Rule-Activation-Time	Time
1044 Rule-DeActivation-Time	Time
1045 Session-Release-Cause	Enumerated
1046 Priority-Level	Unsigned32
1047 Pre-emption-Capability	Enumerated
1048 Pre-emption-Vulnerability	Enumerated
1049 Default-EPS-Bearer-QoS	Grouped
1050 AN-GW-Address	Address
1051 QoS-Rule-Install	Grouped
1052 QoS-Rule-Remove	Grouped
1053 QoS-Rule-Remove	Grouped
1054 QoS-Rule-Delinition	OctetString
1054 QoS-Rule-Report	Grouped
1055 Qo5-Ruie-Report 1056 Security-Parameter-Index	OctetString
1056   Security-Parameter-index 1057   Flow-Label	OctetString
1058 Flow-Information	Grouped
1059 Packet-Filter-Content	IPFilterRule
1060 Packet-Filter-Identifier	OctetString
1061 Packet-Filter-Information	Grouped
1062 Packet-Filter-Operation	Enumerated
1063 Resource-Allocation-Notification	Enumerated
1064 Session-Linking-Indicator	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-IP-Address	Address
1080 Flow-Direction	Enumerated
1081 Routing-Rule-Install	Grouped
1082 Credit-Management-Status	Unsigned32
1085 Redirect-Information	Grouped
1000   Noull Got-Illi Officiation	Gloupeu

1086 Redirect- Support	Enumerated	
1087 TDF-Information	Grouped	
1088 TDF-Application-Identifier	OctetString	
1089 TDF-Destination-Host	DiameterIdentity	
1090 TDF-Destination-Realm	DiameterIdentity	
1091 TDF-IP-address	Address	
1092 ADC-Rule-Install	Grouped	
1093 ADC-Rule-Remove	Grouped	
1094 ADC-Rule-Definition	Grouped	
1095 ADC-Rule-Base-Name	UTF8String	
1096 ADC-Rule-Name	OctetString	
1097 ADC-Rule-Report	Grouped	
1097 ADC-Rule-Report  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	Enumerateu	
1100 Served-User-Identity	Croups	
1100 Served-Oser-Identity 1101 VASP-ID	Groupe UTF8Str	
1101 VASP-ID		
	UTF8String	
1103 Trigger-Event	Enumerated	
1104 Sender-Address	UTF8String	
1105 Initial-Recipient-Address	Grouped	
1106 Result-Recipient-Address	Grouped	
1107   Sequence-Number	Unsigned32	
1108 Recipient-Address	UTF8String	00 440 515
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		
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	00 000 :
1215 Token-Text	UTF8String	32.299 [5]
1216 Delivery-Report-Requested	Enumerated	
1217 Adaptations	Enumerated	
1218 Applic-ID	UTF8String	
1219 Aux-Applic-Info	UTF8String	
1220 Content-Class	Enumerated	
1221 DRM-Content	Enumerated	
1222 Read-Reply-Report-Requested	Enumerated	
1223 Reply-Applic-ID	UTF8String	
1224 File-Repair-Supported	Enumerated	
1225 MBMS-User-Service-Type	Enumerated	
1226 Unit-Quota-Threshold	Unsigned32	
1227 PDP-Address	Address	
1228 SGSN-Address	Address	
1229 PoC-Session-Id	UTF8String	

1230 Deferred-Location-Even-Type	UTF8String	
1231 LCS-APN	UTF8String	
1232 LCS-Client-Id	Grouped	
1233 LCS-Client-Dialed-By-MS	UTF8String	
1234 LCS-Client-External-ID	UTF8String	
1235 LCS-Client-Name	Grouped	
1236 LCS-Data-Coding-Scheme	UTF8String	
1237 LCS-Format-Indicator	Enumerated	
1238 LCS-Name-String	UTF8String	
1239 LCS-Requestor-Id	Grouped	
1240 LCS-Requestor-Id-String 1241 LCS-Client-Type	UTF8String Enumerated	
1242   Location-Estimate	OctetString	
1243 Location-Estimate-Type	Enumerated	
1244 Location-Type	Grouped	
1245 Positioning-Data	UTF8String	
1246 Reserved	-	
1247 PDP-Context-Type	Enumerated	
1248 MMBox-Storage-Requested	Enumerated	
1249 Service-Specific-Info	Grouped	
1250 Called-Asserted-Identity	UTF8String	
1251   Requested-Party-Address	UTF8String	
1252 PoC-User-Role	Grouped	
1253 PoC-User-Role-IDs	UTF8String	
1254 PoC-User-Role-info-Units	Enumerated	
1255 Talk-Burst-Exchange	Grouped	
1256 Service-Generic-Information	Grouped	
1257 Service-Specific-Type	Unsigned32	
1258 Event-Charging-TimeStamp	Time	
1259 Participant-Access-Priority	Enumerated	
1260 Participant-Group	Grouped	
1261 PoC-Change-Conditions	Enumerated	
1262 PoC-Change-Time	Time	
1263 Access-Network-Information	OctetString	
1264 Trigger	Grouped	
1265 Base-Time-Interval	Unsigned32	
1266 Envelope	Grouped	
1267 Envelope-End-Time	Time	
1268 Envelope-Reporting	Enumerated	
1269 Envelope-Start-Time	Time	
1270 Time-Quota-Mechanism	Grouped	
1271 Time-Quota-Type	Enumerated	
1272 Early-Media-Description	Grouped	
1273 SDP-TimeStamps	Grouped	
1274 SDP-Offer-Timestamp	Time	
1275 SDP-Answer-Timestamp	Time	
1276 AF-Correlation-Information	Grouped	
1277 PoC-Session-Initiation-type	Enumerated	
1278 Offline-Charging	Grouped	
1279 User-Participating-Type	Enumerated	
1280 Alternate-Charged-Party-Address	UTF8String	
1281 IMS-Communication-Service-Identifier	UTF8String	
1282 Number-Of-Received-Talk-Bursts	Unsigned32	
1283 Number-Of-Talk-Bursts	Unsigned32	
1284 Received-Talk-Burst-Time	Unsigned32	
1285 Received-Talk-Burst-Volume	Unsigned32	
1286 Talk-Burst-Time	Unsigned32	
1287 Talk-Burst-Volume	Unsigned32	
1288 Media-Initiator-Party	UTF8String	
Note: The AVP codes from 1289 to 1399 are reserved for TS 32.299		
1400 Subscription-Data	Grouped	<u> </u>
1401 Terminal-Information	Grouped	
1402 IMEI	UTF8String	29.272 [21]
1403 Software-Version	UTF8String	
1404 QoS-Subscribed	UTF8String	

1405 ULR-Flags	Unsigned32	
1406 ULA-Flags	Unsigned32	
1407 Visited PLMN Id	OctetString	
1408 Requested-EUTRAN-Authentication-Info	Grouped	
1409 Requested-UTRAN- GERAN-Authentication-Info	Grouped	
1410 Number-Of-Requested-Vectors	Unsigned32	
1411 Re-Synchronization-Info	OctetString	
1412 Immediate-Response-Preferred	Unsigned32	
Authentication-Info	Grouped	
1414 E-UTRAN-Vector	Grouped	
1415 UTRAN-Vector	Grouped	
1416 GERAN-Vector	Grouped	
1417 Network-Access-Mode	Enumerated	
1418 HPLMN-ODB	Enumerated	
1419 Item-Number	Unsigned32	
1420 Cancellation-Type	Enumerated	
421 DSR-Flags	Unsigned32	
1422 DSA-Flags	Unsigned32	
423 Context-Identifier	Unsigned32	
424 Subscriber-Status	Enumerated	
425 Operator-Determined-Barring	Unsigned32	
426 Access-Restriction-Data	UTF8String	
427 APN-OI-Replacement	UTF8String	
428 All-APN-Configurations-Included-Indicator	Enumerated	
429 APN-Configuration-Profile	Grouped	
430 APN-Configuration	Grouped	
1431 EPS-Subscribed-QoS-Profile	Grouped	
432 VPLMN-Dynamic-Address-Allowed	Enumerated	
433 STN-SR	OctetString	
434 Alert-Reason	Enumerated	
435 AMBR	Grouped	
1436 CSG-Subscription-Data	Grouped	
1437 CSG-Id	Unsigned32	
1438 PDN-GW-Allocation-Type	Enumerated	
1439 Expiration-Date	Time	
1440 RAT-Frequency-Selection-Priority-ID	Unsigned32	
1441 IDA-Flags	Unsigned32	
1442 PUA-Flags	Unsigned32	
1443 NOR-Flags	Unsigned32	
1444 User-Id	UTF8String	
1445 Equipment-Status	Enumerated	
446 Regional-Subscription-Zone-Code	OctetString	
447 RAND	OctetString	
448 XRES	OctetString	
	OctetString	
1449 AUTN	OctetString OctetString	
450 KASME	Octerating	
451 Reserved	- A d dec c c	
452 Trace-Collection-Entity	Address	
453 Kc	OctetString	
454 SRES	OctetString	
455 Reserved		
456 PDN-Type	Enumerated	
457 Roaming-Restricted-Due-To-Unsupported-Feature	Enumerated	
458 Trace-Data	Grouped	
459 Trace-Reference	OctetString	
460 Reserved	-	
461 Reserved		
462 Trace-Depth	Enumerated	
463 Trace-NE-Type-List	OctetString	
464   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	
1477 SS-Status	OctetString	
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	
1100 0001 01010	Enameratea	
1500 Non-3GPP-User-Data	Craunad	
	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	
	oneignede_	
	Unsigned32	
1508 PPR-Flags	Unsigned32	
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	
1509 WLAN-Identifier 1510 TWAN-Access-Info 1511 Access-Authorization-Flags 1512 TWAN-Default-APN-Context-Id	Grouped Grouped Unsigned32	
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 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	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	Grouped Grouped Unsigned32 Unsigned32 OctetString 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	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString 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	Grouped Grouped Unsigned32 Unsigned32 OctetString OctetString Unsigned32 Enumerated	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	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	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 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 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 1523 DER-S6b-Flags 1524 SSID 1525 HESSID 1526 Access-Network-Info	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 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	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 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 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	Grouped Grouped Unsigned32 Unsigned32  OctetString OctetString Unsigned32 Enumerated 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 OctetString Address	29.273 [20]

1534   SM-Back-OH-Timer	45044	24.5 LO#T	T 11 : 100	
318   3GPP-AAA-Server-Name			Unsigned32	
1536 Origination-Time-Stamp				
1537   Maximum-Walt-Time				
1938   Emergency Services				
1539  AAR-Flags				
Note 1: The AVP codes from 1540 to 1599 are reserved for TS 29.273           Note 2: The AVP 3GPP-RAAS-server-Name was originally defined in 3GPP TS 29.234 and is now defined in 3GPP TS 29.273 from Rel-12.           1800 IMME-Location-Information         Grouped           1801 SGSN-Location-Information         Grouped           1802 E-UTRAN-Cell-Clobal-Identity         OctetString           1803 Tracking-Area-Identity         OctetString           1804 Cell-Clobal-Identity         OctetString           1806 Routing-Area-Identity         OctetString           1807 Service-Area-Identity         OctetString           1808 Routing-Area-Identity         OctetString           1809 Geographical-Information         OctetString           1809 Geodetic-Information         OctetString           1809 Geodetic-Information         OctetString           1811 Age-Of-Location-Information         Unsigned32           1812 Face-APPN         Grouped           1813 SIPTO-Permission         Enumerated           1814 Error-Diagnositic         Enumerated           1815 US-SEX/C-Capability         Enumerated           1818 ILPA-Permission         Enumerated           1818 ILPA-Permission         Enumerated           1818 ILPA-Permission         Grouped           1812 Ext-PDP-Type         OctetString<				
Note 2: The AVP SGPP-AAA-Server-Name was originally defined in 3GPP TS 29:234 and is now defined in 3GPP TS 29:234 and i			Unsigned32	
29.273 from Rel-12.           1800 [MME_Location-Information         Grouped           1807 [SGSN-Location-Information         Grouped           1802 [E-UTRAN-Cell-Global Identity         OctelString           1803 [Tracking-Area-Identity]         OctelString           1804 [Cell-Global-Identity]         OctelString           1805 [Routing-Area-Identity]         OctelString           1806 [Location-Area-Identity]         OctelString           1807 [Sortice-Area-Identity]         OctelString           1808 [Location-Information]         OctelString           1809 [Geodetic-Information]         OctelString           1809 [Geodetic-Information]         OctelString           1810 [Oursent-Location-Retrieved]         Enumerated           1811 [Age-Of-Location-Information]         Unsigned32           1812 [Active-APN]         Grouped           1813 [SIPTO-Permission]         Enumerated           1814 [Erro-Diagnostic]         Enumerated           1815 [Left-Approxity]         Unsigned32           1817 [VPLIN-LIPA-Allowed]         Enumerated           1818 [LiPA-Permission]         Enumerated           1818 [LiPA-Permission]         Enumerated           1819 [Sub-Type]         OctelString           1820 [Event-ThresholdRestrack]         Or			TC 20 224 and in now dofi	nadia 2000 TO
1800   MME-Location-Information   Grouped   1801   SGSN-Location-Information   Grouped   1802   E-UTRAN-Cell-Global-Identity   OctelString   1803   Tracking-Area-Identity   OctelString   1804   Cell-Global-Identity   OctelString   1805   Routing-Area-Identity   OctelString   1806   Cell-Global-Identity   OctelString   1807   Service-Area-Identity   OctelString   1808   Geographical-Information   OctelString   1809   Geographical-Information   OctelString   1809   Geographical-Information   OctelString   1809   Geographical-Information   OctelString   1809   Geographical-Information   OctelString   1810   Current-Location-Retrieved   Enumerated   1811   Age-Of-Location-Information   Unsigned32   1812   Active-APN   Grouped   1813   SilPTO-Permission   Enumerated   1814   Error-Diagnostic   Enumerated   1815   UE-SRVCC-Capability   Enumerated   1816   MPS-Prority   Unsigned32   1817   WPLINN-LIPA-Allowed   Enumerated   1818   LPA-Permission   Enumerated   1819   Subscribed-Periodic-RAU-TAU-Timer   Unsigned32   1819   Subscribed-Periodic-RAU-TAU-Timer   Unsigned32   1820   Ext-PDP-Type   OctelString   1822   Jub-Type-Prope   Grouped   1823   Jub-Type-Prope   Grouped   1824   Jub-Type   Unsigned32   1825   Ext-PDP-Type   Unsigned32   1826   Report-Amount   Enumerated   1827   Report-Amount   Enumerated   1828   Seport-Amount   Enumerated   1829   Event-ThresholdRSRP   Unsigned32   1830   Event-ThresholdRSRP   Unsigned32   1830   Event-ThresholdRSRP   Unsigned32   1831   Logging-Duration   Enumerated   1832   Durk-Flags   Unsigned32   1833   Unsigned32   Unsigned32   1841   VPLMN-CSG-Subscription-Data   Enumerated   1843   Equivalent-PLMN-List   Grouped   1844   Reserved			15 29.234 and is now deli	ned in 3GPP 15
1601   SGSN-Location-Information			Grouped	
1602   E-UTRAN-Cell-Global-Identity				
1803   Tracking-Area-Identity				
1604   Cell-Global-Identity				
1605   Routing-Area-Identity   OctetString   1606   Location-Area-Identity   OctetString   1607   Service-Area-Identity   OctetString   1607   Service-Area-Identity   OctetString   1608   Cocation-Area-Identity   OctetString   1609   Geodetic-Information   OctetString   1610   OctetString   1610   OctetString   1611   Age-Ot-Location-Information   OctetString   1611   Age-Ot-Location-Information   Unsigned32   1612   Active-APN   Grouped   1613   SIPTO-Permission   Enumerated   1613   SIPTO-Permission   Enumerated   1614   Error-Diagnostic   Enumerated   1615   UE-SRVCC-Capability   Enumerated   1616   MPS-Priority   Unsigned32   1617   VPLMN-LIPA-Allowed   Enumerated   1618   UPA-Permission   Enumerated   1618   UPA-Permission   Enumerated   1618   UPA-Permission   Enumerated   1619   Subscribed-Periodic-RAU-TAU-Timer   Unsigned32   1620   Ext-PDP-Address   Address   1622   MDT-Contiguration   Grouped   1623   Job-Type   Enumerated   1619   Subscribed-Periodic-Rau-Trau-Trimer   Unsigned32   1625   Ust-Ot-Measurements   Unsigned32   1626   Reporting-Trigger   Unsigned32   1626   Reporting-Trigger   Unsigned32   1626   Report-Interval   Enumerated   1628   Event-ThresholdRSRQ   Unsigned32   1631   Logging-Interval   Enumerated   1633   Event-ThresholdRSRQ   Unsigned32   1631   Logging-Interval   Enumerated   1633   Event-ThresholdRSRQ   Unsigned32   1636   Subscribed-VSRVCC   Enumerated   1638   Euro-Flags   Unsigned32   1639   UN-Flags   Unsigned32   1640   UVA-Flags   Unsigned32   1640   UVA-Fl				
1606   Location-Area-Identity				
1608   Geographical-Information				
1609 Geodetic-Information				
1610   Current-Location-Retrieved   Enumerated   1611   Age-Of-Location-Information   Unsigned32   1612   Active-APN   Grouped   1613   SIPTO-Permission   Enumerated   Enumerated   1614   Error-Diagnostic   Enumerated   1615   UE-SRVCC-Capability   Enumerated   1616   MES-Priority   Unsigned32   1617   VPLMN-LIPA-Allowed   Enumerated   1618   LIPA-Permission   Enumerated   1618   MES-Priority   Unsigned32   1617   VPLMN-LIPA-Allowed   Enumerated   1618   UPA-Permission   Enumerated   1618   UPA-Permission   Enumerated   1618   UPA-Permission   Enumerated   1619   Subscribed-Periodic-RAU-TAU-Timer   Unsigned32   1620   Ext-PDP-Type   OctelString   Address   Grouped   1623   Job-Type   Enumerated   1623   Job-Type   Enumerated   1624   Area-Scope   Grouped   Grouped   1625   List-Of-Measurements   Unsigned32   1627   Report-Interval   Enumerated   1628   Report-Amount   Enumerated   1628   Report-Amount   Enumerated   1628   Event-ThresholdRSRQ   Unsigned32   1630   Event-ThresholdRSRQ   Unsigned32   1630   Event-ThresholdRSRQ   Unsigned32   1631   Logging-Duration   Enumerated   1632   Logging-Duration   Enumerated   1633   Relay-Node-Indicator   Enumerated   1634   MDT-User-Consent   Enumerated   1635   Durs-Flags   Unsigned32   1630   UNS-Flags   Unsigned32   1640   UVA-Flags   Unsigned32   1640				
Harmonia   Harmonia				
1612   Active-APN				
1613   SIPTO-Permission				
1614   Error-Diagnostic   Enumerated				
1615   UE-SRVCC-Capability				
1616   MPS-Priority				
1617   VPLMN-LIPA-Allowed				
1618   LIPA-Permission				
1619   Subscribed-Periodic-RAU-TAU-Timer				
1620   Ext-PDP-Type				
621   Ext-PDP-Address				
1622   MDT-Configuration   Grouped   1623   Job-Type   Enumerated   1624   Area-Scope   Grouped   1625   List-Of-Measurements   Unsigned32   1626   Report-Interval   Enumerated   1627   Report-Interval   Enumerated   1628   Report-Amount   Enumerated   1629   Event-ThresholdRSRP   Unsigned32   1630   Event-ThresholdRSRQ   Unsigned32   1631   Logging-Interval   Enumerated   1632   Logging-Interval   Enumerated   1633   Logging-Interval   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   1643   A-MSISDN   OctetString   1644   Reserved     1646   Reserved     1647   Reserved     1648   SMS-Register-Request   Enumerated   1659   Daylight-Saving-Time   Enumerated   1650   Daylight-Saving-Time   Enumerated   1651   GMLC-Info   Grouped   1652   GMLC-Name   DiameterIdentity   1653   GMLC-Realm   DiameterIdentity   1654   Grouped   DiameterIdentity   1655   GMLC-Realm   DiameterIdentity   1656   Daylight-Saving-Time   DiameterIdentity   1657   Daylight-Saving-Time   DiameterIdentity   1658   Daylight-Saving-Time   DiameterIdentity   1659   Daylight-Saving-Time   DiameterIdentity   1650   Daylight-Saving-Time   DiameterIdentity   1651   Daylight-Saving-Time   DiameterIdentity   1653   Daylight-Saving-Time   DiameterIdentity   1654   Daylight-Saving-Time   DiameterIdentity   1655   Daylight-Saving-Time   DiameterIdentity   1656   Daylight-Saving-Time   DiameterIdentity   1657   Daylight-Saving-Time   DiameterIdentity   1658   Daylight-Saving-Time   DiameterIdentity   1659   Daylight-Saving-Time   DiameterIdentity   1650   Daylight-Saving-Time   DiameterIdentity   1650   D				
1623   Job-Type				
1624   Area-Scope   Grouped   1625   List-Of-Measurements   Unsigned32   1626   Reporting-Trigger   Unsigned32   1627   Report-Interval   Enumerated   Enumerated   1628   Report-Amount   Enumerated   1629   Event-ThresholdRSRP   Unsigned32   1630   Event-ThresholdRSRQ   Unsigned32   1631   Logging-Interval   Enumerated   1632   Logging-Interval   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   1639   UVR-Flags   Unsigned32   1639   UVR-Flags   Unsigned32   1640   UVA-Flags   Unsigned32   1641   VPLMN-CSG-Subscription-Data   Grouped   1641   VPLMN-CSG-Subscription-Data   Grouped   1642   Time-Zone   UTF8String   1643   A-MSISDN   OctetString   1644   Reserved     1645   MME-Number-for-MT-SMS   OctetString   1646   Reserved     1647   Reserved     1648   SMS-Register-Request   Enumerated   1649   Local-Time-Zone   Grouped   1650   Daylight-Saving-Time   Enumerated   1651   GMLC-Info   Grouped   1652   GMLC-Realm   DiameterIdentity   1653   GMLC-Realm   DiameterIdentity   1653   GMLC-Realm   DiameterIdentity   1653   GMLC-Realm   DiameterIdentity   1653   Control of the contr				
1625 List-Of-Measurements         Unsigned32           1626 Reporting-Trigger         Unsigned32           1627 Report-Interval         Enumerated           1628 Report-Amount         Enumerated           1628 Report-Amount         Enumerated           1629 Event-ThresholdRSRP         Unsigned32           1630 Event-ThresholdRSRQ         Unsigned32           1631 Logging-Interval         Enumerated           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           1643 A-MSISDN         OctetString           1644 Reserved         -           1645 MME-Number-for-MT-SMS         OctetString           1646 Reserved         -           1647 Reserved         -           1648 SMS-Register-Request <td></td> <td></td> <td></td> <td></td>				
1626 Reporting-Trigger         Unsigned32           1627 Report-Interval         Enumerated           1628 Report-Amount         Enumerated           1629 Event-ThresholdRSRP         Unsigned32           1630 Event-ThresholdRSRQ         Unsigned32           1631 Logging-Interval         Enumerated           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           1639 UVR-Flags         Unsigned32           1640 UVA-Flags         Unsigned32           1641 VPLMN-CSG-Subscription-Data         Grouped           1642 Time-Zone         UTF8String           1643 A-MSISDN         OctetString           1644 Reserved         -           1647 Reserved         -           1648 SMS-Register-Request         Enumerated           1649 Local-Time-Zone         Grouped           1650 Daylight-Saving-Time         Enumerated           1651 GMLC-Info         Grouped           1652 GMLC-Name         DiameterIdentity				
1627   Report-Interval				
1628 Report-Amount         Enumerated           1629 Event-ThresholdRSRP         Unsigned32           1630 Event-ThresholdRSRQ         Unsigned32           1631 Logging-Interval         Enumerated           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 UVR-Flags         Unsigned32           1639 UVR-Flags         Unsigned32           1640 UVA-Flags         Unsigned32           1641 VPLMN-CSG-Subscription-Data         Grouped           1642 Time-Zone         UTF8String           1643 A-MSISDN         OctetString           1644 Reserved         -           1645 MME-Number-for-MT-SMS         OctetString           1646 Reserved         -           1647 Reserved         -           1648 SMS-Register-Request         Enumerated           1650 Daylight-Saving-Time         Enumerated           1651 GMLC-Info         Grouped           1652 GMLC-Name         DiameterIdentity			Š	29.272 [21]
1629 Event-ThresholdRSRP         Unsigned32           1630 Event-ThresholdRSRQ         Unsigned32           1631 Logging-Interval         Enumerated           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           1643 A-MSISDN         OctetString           1644 Reserved         -           1645 MME-Number-for-MT-SMS         OctetString           1646 Reserved         -           1647 Reserved         -           1648 SMS-Register-Request         Enumerated           1649 Local-Time-Zone         Grouped           1651 GMLC-Info         Grouped           1652 GMLC-Name         DiameterIdentity			Enumerated	
1630         Event-ThresholdRSRQ         Unsigned32           1631         Logging-Interval         Enumerated           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           1639         URSIGNEd32         Unsigned32           1639         UVA-Flags         Unsigned32           1640         UVA-Flags         Unsigned32           1641         VPLMN-CSG-Subscription-Data         Grouped           1642         Time-Zone         UTF8String           1643         A-MSISDN         OctetString           1644         Reserved         -           1645         MME-Number-for-MT-SMS         OctetString           1646         Reserved         -           1647         Reserved         -           1648         SMS-Register-Request         Enumerated           1649         Local-Time-Zone         Grouped           1650         Daylight-S				
1631 Logging-Interval         Enumerated           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           1643 A-MSISDN         OctetString           1644 Reserved         -           1645 MME-Number-for-MT-SMS         OctetString           1646 Reserved         -           1647 Reserved         -           1648 SMS-Register-Request         Enumerated           1649 Local-Time-Zone         Grouped           1651 GMLC-Info         Grouped           1652 GMLC-Name         DiameterIdentity           1653 GMLC-Realm         DiameterIdentity				
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           1643         A-MSISDN         OctetString           1644         Reserved         -           1645         MME-Number-for-MT-SMS         OctetString           1646         Reserved         -           1647         Reserved         -           1648         SMS-Register-Request         Enumerated           1650         Daylight-Saving-Time         Enumerated           1651         GMLC-Info         Grouped           1652         GMLC-Name         DiameterIdentity				
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           1643         A-MSISDN         OctetString           1644         Reserved         -           1645         MME-Number-for-MT-SMS         OctetString           1646         Reserved         -           1647         Reserved         -           1648         SMS-Register-Request         Enumerated           1649         Local-Time-Zone         Grouped           1650         Daylight-Saving-Time         Enumerated           1651         GMLC-Info         Grouped           1652         GMLC-Name         DiameterIdentity           1653         GMLC-Realm				
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           1643         A-MSISDN         OctetString           1644         Reserved         -           1645         MME-Number-for-MT-SMS         OctetString           1646         Reserved         -           1647         Reserved         -           1648         SMS-Register-Request         Enumerated           1649         Local-Time-Zone         Grouped           1650         Daylight-Saving-Time         Enumerated           1651         GMLC-Info         Grouped           1652         GMLC-Name         DiameterIdentity           1653         GMLC-Realm         DiameterIdentity	1633 I	Relay-Node-Indicator		
1635PUR-FlagsUnsigned321636Subscribed-VSRVCCEnumerated1637Equivalent-PLMN-ListGrouped1638CLR-FlagsUnsigned321639UVR-FlagsUnsigned321640UVA-FlagsUnsigned321641VPLMN-CSG-Subscription-DataGrouped1642Time-ZoneUTF8String1643A-MSISDNOctetString1644Reserved-1645MME-Number-for-MT-SMSOctetString1646Reserved-1647Reserved-1648SMS-Register-RequestEnumerated1649Local-Time-ZoneGrouped1650Daylight-Saving-TimeEnumerated1651GMLC-InfoGrouped1652GMLC-NameDiameterIdentity1653GMLC-RealmDiameterIdentity				
1636Subscribed-VSRVCCEnumerated1637Equivalent-PLMN-ListGrouped1638CLR-FlagsUnsigned321639UVR-FlagsUnsigned321640UVA-FlagsUnsigned321641VPLMN-CSG-Subscription-DataGrouped1642Time-ZoneUTF8String1643A-MSISDNOctetString1644Reserved-1645MME-Number-for-MT-SMSOctetString1646Reserved-1647Reserved-1648SMS-Register-RequestEnumerated1649Local-Time-ZoneGrouped1650Daylight-Saving-TimeEnumerated1651GMLC-InfoGrouped1652GMLC-NameDiameterIdentity1653GMLC-RealmDiameterIdentity			Unsigned32	
1638 CLR-Flags         Unsigned32           1639 UVR-Flags         Unsigned32           1640 UVA-Flags         Unsigned32           1641 VPLMN-CSG-Subscription-Data         Grouped           1642 Time-Zone         UTF8String           1643 A-MSISDN         OctetString           1644 Reserved         -           1645 MME-Number-for-MT-SMS         OctetString           1646 Reserved         -           1647 Reserved         -           1648 SMS-Register-Request         Enumerated           1649 Local-Time-Zone         Grouped           1650 Daylight-Saving-Time         Enumerated           1651 GMLC-Info         Grouped           1652 GMLC-Name         DiameterIdentity           1653 GMLC-Realm         DiameterIdentity	1636	Subscribed-VSRVCC	Enumerated	
1638 CLR-Flags         Unsigned32           1639 UVR-Flags         Unsigned32           1640 UVA-Flags         Unsigned32           1641 VPLMN-CSG-Subscription-Data         Grouped           1642 Time-Zone         UTF8String           1643 A-MSISDN         OctetString           1644 Reserved         -           1645 MME-Number-for-MT-SMS         OctetString           1646 Reserved         -           1647 Reserved         -           1648 SMS-Register-Request         Enumerated           1649 Local-Time-Zone         Grouped           1650 Daylight-Saving-Time         Enumerated           1651 GMLC-Info         Grouped           1652 GMLC-Name         DiameterIdentity           1653 GMLC-Realm         DiameterIdentity	1637 I	Equivalent-PLMN-List		
1639 UVR-FlagsUnsigned321640 UVA-FlagsUnsigned321641 VPLMN-CSG-Subscription-DataGrouped1642 Time-ZoneUTF8String1643 A-MSISDNOctetString1644 Reserved-1645 MME-Number-for-MT-SMSOctetString1646 Reserved-1647 Reserved-1648 SMS-Register-RequestEnumerated1649 Local-Time-ZoneGrouped1650 Daylight-Saving-TimeEnumerated1651 GMLC-InfoGrouped1652 GMLC-NameDiameterIdentity1653 GMLC-RealmDiameterIdentity				
1640UVA-FlagsUnsigned321641VPLMN-CSG-Subscription-DataGrouped1642Time-ZoneUTF8String1643A-MSISDNOctetString1644Reserved-1645MME-Number-for-MT-SMSOctetString1646Reserved-1647Reserved-1648SMS-Register-RequestEnumerated1649Local-Time-ZoneGrouped1650Daylight-Saving-TimeEnumerated1651GMLC-InfoGrouped1652GMLC-NameDiameterIdentity1653GMLC-RealmDiameterIdentity	1639 l	JVR-Flags	Unsigned32	
1642         Time-Zone         UTF8String           1643         A-MSISDN         OctetString           1644         Reserved         -           1645         MME-Number-for-MT-SMS         OctetString           1646         Reserved         -           1647         Reserved         -           1648         SMS-Register-Request         Enumerated           1649         Local-Time-Zone         Grouped           1650         Daylight-Saving-Time         Enumerated           1651         GMLC-Info         Grouped           1652         GMLC-Name         DiameterIdentity           1653         GMLC-Realm         DiameterIdentity	1640 l	JVA-Flags	Unsigned32	
1643         A-MSISDN         OctetString           1644         Reserved         -           1645         MME-Number-for-MT-SMS         OctetString           1646         Reserved         -           1647         Reserved         -           1648         SMS-Register-Request         Enumerated           1649         Local-Time-Zone         Grouped           1650         Daylight-Saving-Time         Enumerated           1651         GMLC-Info         Grouped           1652         GMLC-Name         DiameterIdentity           1653         GMLC-Realm         DiameterIdentity	1641	/PLMN-CSG-Subscription-Data		
1644 Reserved - 1645 MME-Number-for-MT-SMS OctetString 1646 Reserved - 1647 Reserved - 1648 SMS-Register-Request Enumerated 1649 Local-Time-Zone Grouped 1650 Daylight-Saving-Time Enumerated 1651 GMLC-Info Grouped 1652 GMLC-Name DiameterIdentity 1653 GMLC-Realm			UTF8String	
1645MME-Number-for-MT-SMSOctetString1646Reserved-1647Reserved-1648SMS-Register-RequestEnumerated1649Local-Time-ZoneGrouped1650Daylight-Saving-TimeEnumerated1651GMLC-InfoGrouped1652GMLC-NameDiameterIdentity1653GMLC-RealmDiameterIdentity			OctetString	
1646Reserved-1647Reserved-1648SMS-Register-RequestEnumerated1649Local-Time-ZoneGrouped1650Daylight-Saving-TimeEnumerated1651GMLC-InfoGrouped1652GMLC-NameDiameterIdentity1653GMLC-RealmDiameterIdentity			-	
1647Reserved-1648SMS-Register-RequestEnumerated1649Local-Time-ZoneGrouped1650Daylight-Saving-TimeEnumerated1651GMLC-InfoGrouped1652GMLC-NameDiameterIdentity1653GMLC-RealmDiameterIdentity	1645 I	MME-Number-for-MT-SMS	OctetString	
1648SMS-Register-RequestEnumerated1649Local-Time-ZoneGrouped1650Daylight-Saving-TimeEnumerated1651GMLC-InfoGrouped1652GMLC-NameDiameterIdentity1653GMLC-RealmDiameterIdentity			-	
1649Local-Time-ZoneGrouped1650Daylight-Saving-TimeEnumerated1651GMLC-InfoGrouped1652GMLC-NameDiameterIdentity1653GMLC-RealmDiameterIdentity			-	
1650Daylight-Saving-TimeEnumerated1651GMLC-InfoGrouped1652GMLC-NameDiameterIdentity1653GMLC-RealmDiameterIdentity				
1651 GMLC-InfoGrouped1652 GMLC-NameDiameterIdentity1653 GMLC-RealmDiameterIdentity			Grouped	
1652 GMLC-NameDiameterIdentity1653 GMLC-RealmDiameterIdentity				
1653 GMLC-Realm DiameterIdentity				
1654   Subscription-Data-Flags Unsigned32				
	1654	Subscription-Data-Flags	Unsigned32	

1655 Measurement-Period-LTE	Enumerated	
	Enumerated	
1656 Measurement-Period-UMTS	Enumerated	
1657 Collection-Period-RRM-LTE	Enumerated	
1658 Collection-Period-RRM-UMTS	Enumerated	
1659 Positioning-Method	OctetString	
	9	
1660 Measurement-Quantity	OctetString	
1661 Event-Threshold-Event-1F	Integer32	
1662 Event-Threshold-Event-1I	Integer32	
1663 Restoration-Priority	Unsigned32	
1664 SGs-MME-Identity	UTF8String	
1665 SIPTO-Local-Network-Permission	Unsigned32	
1666 Coupled-Node-Diameter-ID	DiameterIdentity	
1667 WLAN-offloadability	Grouped	
1668 WLAN-offloadability-EUTRAN	Unsigned32	
1669 WLAN-offloadability-UTRAN	Unsigned32	
1670 Reset-ID	OctetString	
1671 MDT-Allowed-PLMN-Id	OctetString	
1672 Adjacent-PLMNs	Grouped	
1673 Adjacent-Access-Restriction-Data	Grouped	
	Integer32	
1674 DL-Buffering-Suggested-Packet-Count	<u> </u>	}
1675 IMSI-Group-Id	Grouped	
1676 Group-Service-Id	Unsigned32	
1677 Group-PLMN-Id	OctetString	
1678 Local-Group-Id	OctetString	
1679 AIR-Flags	Unsigned32	
1680 UE-Usage-Type	Unsigned32	
1681 Non-IP-PDN-Type-Indicator	Enumerated	
1682 Non-IP-Data-Delivery-Mechanism	Unsigned32	
1683 Additional-Context-Identifier	Unsigned32	
1684 SCEF-Realm	DiameterIdentity	
1685 Reserved	Biameteriacritity	
1686 Preferred-Data-Mode	- 100	
1 1686 IPreferred-Ligita-Mode	Unsigned32	
	3	
1687 Reserved	-	
	-	
1687 Reserved 1688 Reserved		
1687 Reserved 1688 Reserved 1689 Reserved	-	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272.	-	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information	- - - - Grouped	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme	- - - - Grouped Integer32	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface	Grouped Integer32 Grouped	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme	- - - - Grouped Integer32	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id	Grouped Integer32 Grouped UTF8String	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port	Grouped Integer32 Grouped UTF8String UTF8String	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text	Grouped Integer32 Grouped UTF8String UTF8String UTF8String	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString	
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString	32.299 [5]
1687 Reserved 1688 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header 2016 SMS-Node	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header 2016 SMS-Node 2017 SMSC-Address	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString Enumerated Address	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header 2016 SMS-Node 2017 SMSC-Address 2018 Client-Address	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString CotetString Enumerated Address Address Address Address	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header 2016 SMS-Node 2017 SMSC-Address 2018 Client-Address 2018 Client-Address 2019 Number-of-Messages-Sent	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString OctetString Enumerated Address Unsigned32	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header 2016 SMS-Node 2017 SMSC-Address 2018 Client-Address 2019 Number-of-Messages-Sent 2020 Low-Balance-Indication	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString OctetString Enumerated Address Unsigned32 Enumerated	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header 2016 SMS-Node 2017 SMSC-Address 2018 Client-Address 2018 Client-Address 2019 Number-of-Messages-Sent	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString OctetString Enumerated Address Unsigned32	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header 2016 SMS-Node 2017 SMSC-Address 2018 Client-Address 2019 Number-of-Messages-Sent 2020 Low-Balance-Indication 2021 Remaining-Balance	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString OctetString Enumerated Address Unsigned32 Enumerated Grouped	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header 2016 SMS-Node 2017 SMSC-Address 2018 Client-Address 2019 Number-of-Messages-Sent 2020 Low-Balance-Indication 2021 Remaining-Balance 2022 Refund-Information	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString Enumerated Address Enumerated Time OctetString OctetString CotetString Enumerated Address Enumerated Address Enumerated OctetString CotetString Enumerated Address Address Address Address Unsigned32 Enumerated Grouped OctetString	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header 2016 SMS-Node 2017 SMSC-Address 2018 Client-Address 2019 Number-of-Messages-Sent 2020 Low-Balance-Indication 2021 Remaining-Balance 2022 Refund-Information 2021 Carrier-Select-Routing-Information	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString Enumerated Address Enumerated Time OctetString OctetString CotetString Enumerated Address Enumerated Time OctetString OctetString CotetString Enumerated Address Address Address Address Unsigned32 Enumerated Grouped OctetString UTF8String	32.299 [5]
1687Reserved1688Reserved1689ReservedNote: The AVP codes from 1690 to 1699 are reserved for TS 29.272.2000SMS-Information2001Data-Coding-Scheme2002Destination-Interface2003Interface-Id2004Interface-Port2005Interface-Text2006Interface-Type2007SM-Message-Type2008Originating-SCCP-Address2009Originator-Interface2010Recipient-SCCP-Address2011Reply-Path-Requested2012SM-Discharge-Time2013SM-Protocol-ID2014SM-Status2015SM-Shatus2016SMS-Node2017SMSC-Address2018Client-Address2019Number-of-Messages-Sent2020Low-Balance-Indication2021Remaining-Balance2022Refund-Information2023Carrier-Select-Routing-Information2024Number-Portability-Routing-Information	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString Enumerated Address Enumerated Time OctetString OctetString OctetString CotetString UTF8String UTF8String UTF8String UTF8String UTF8String	32.299 [5]
1687Reserved1688Reserved1689ReservedNote: The AVP codes from 1690 to 1699 are reserved for TS 29.272.2000SMS-Information2001Data-Coding-Scheme2002Destination-Interface2003Interface-Interface-Interface-Interface-Interface-Type2005Interface-Type2007SM-Message-Type2008Originator-Interface2010Recipient-SCCP-Address2011Reply-Path-Requested2012SM-Discharge-Time2013SM-Protocol-ID2014SM-Status2015SM-User-Data-Header2016SMS-Node2017SMSC-Address2018Client-Address2019Number-of-Messages-Sent2020Low-Balance-Indication2021Remaining-Balance2022Refund-Information2023Carrier-Select-Routing-Information2024Number-Portability-Routing-Information2025PoC-Event-Type	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString OctetString Enumerated Address Enumerated Time OctetString OctetString OctetString OctetString Enumerated Address Address Address Unsigned32 Enumerated Grouped OctetString UTF8String UTF8String Enumerated	32.299 [5]
1687Reserved1688Reserved1689ReservedNote: The AVP codes from 1690 to 1699 are reserved for TS 29.272.2000SMS-Information2001Data-Coding-Scheme2002Destination-Interface2003Interface-Id2004Interface-Port2005Interface-Text2006Interface-Type2007SM-Message-Type2008Originating-SCCP-Address2009Originator-Interface2010Recipient-SCCP-Address2011Reply-Path-Requested2012SM-Discharge-Time2013SM-Protocol-ID2014SM-Status2015SM-User-Data-Header2016SMS-Node2017SMSC-Address2018Client-Address2019Number-of-Messages-Sent2020Low-Balance-Indication2021Remaining-Balance2022Refund-Information2023Carrier-Select-Routing-Information2024Recipient-InfoRecipient-InfoRecipient-Info	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString OctetString Enumerated Address Enumerated Time OctetString OctetString OctetString OctetString UTF8String UTF8String UTF8String UTF8String UTF8String Enumerated	32.299 [5]
1687Reserved1688Reserved1689ReservedNote: The AVP codes from 1690 to 1699 are reserved for TS 29.272.2000SMS-Information2001Data-Coding-Scheme2002Destination-Interface2003Interface-Interface-Interface-Interface-Port2005Interface-Text2006Interface-Type2007SM-Message-Type2008Originating-SCCP-Address2009Originator-Interface2010Recipient-SCCP-Address2011Reply-Path-Requested2012SM-Discharge-Time2013SM-Protocol-ID2014SM-Status2015SM-User-Data-Header2016SMSC-Address2017SMSC-Address2018Client-Address2019Number-of-Messages-Sent2020Low-Balance-Indication2021Remaining-Balance2022Refund-Information2023Carrier-Select-Routing-Information2024Number-Portability-Routing-Information2025PoC-Event-Type	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString OctetString Enumerated Address Enumerated Time OctetString OctetString OctetString OctetString Enumerated Address Address Address Unsigned32 Enumerated Grouped OctetString UTF8String UTF8String Enumerated	32.299 [5]
1687 Reserved 1688 Reserved 1689 Reserved Note: The AVP codes from 1690 to 1699 are reserved for TS 29.272. 2000 SMS-Information 2001 Data-Coding-Scheme 2002 Destination-Interface 2003 Interface-Id 2004 Interface-Port 2005 Interface-Text 2006 Interface-Type 2007 SM-Message-Type 2008 Originating-SCCP-Address 2009 Originator-Interface 2010 Recipient-SCCP-Address 2011 Reply-Path-Requested 2012 SM-Discharge-Time 2013 SM-Protocol-ID 2014 SM-Status 2015 SM-User-Data-Header 2016 SMS-Node 2017 SMSC-Address 2018 Client-Address 2019 Number-of-Messages-Sent 2020 Low-Balance-Indication 2021 Remaining-Balance 2022 Refund-Information 2023 Carrier-Select-Routing-Information 2025 PoC-Event-Type	Grouped Integer32 Grouped UTF8String UTF8String UTF8String Enumerated Enumerated Address Grouped Address Enumerated Time OctetString OctetString OctetString Enumerated Address Enumerated Time OctetString OctetString OctetString OctetString UTF8String UTF8String UTF8String UTF8String UTF8String Enumerated	32.299 [5]

2030   MMTeI-Information	2029 SM-Service-Type	Enumerated	
Morties   Morties			
2032 Service-Mode			
2033 Subscriber-Role			
2034   Number-Of-Diversions			
2035   Associated-Party-Address   UTF8String   2036   SDP-Type   Enumerated   2037   Change-Condition   Integer32   2038   Change-Condition   Integer32   2039   Change-Condition   Integer32   2039   Change-Condition   Integer32   2039   Change-Condition   Integer32   2039   Change-Condition   Integer32   2040   Service-Data-Container   Grouped   2041   Start-Time   Time   2042   Stop-Time   Time   2043   Time-First-Usage   Time   2044   Time-Last-Usage   Time   2045   Time-Last-Usage   Time   2046   Time-Last-Usage   Time   2046   Time-Last-Usage   Unsigned32   2046   Time-Last-Volumes   Grouped   2047   Serving-Node-Type   Enumerated   2048   Supplementary-Service   Grouped   2049   Participan-Action-Type   Enumerated   2049   Participan-Action-Type   Enumerated   2050   DoN-Connection-Charging-ID   Unsigned32   2051   Dynamic-Address-Flag   Enumerated   2052   Acc-Uniformation   Grouped   2053   Acc-Cost-Information   Grouped   2054   Acc-Information   Grouped   2055   Acc-Request-Type   Enumerated   2056   Current-Tariff   Grouped   2057   Next-Tariff   Grouped   2058   Scale-Factor   Grouped   2059   Scale-Factor   Grouped   2060   Scale-Factor   Grouped   2061   Unif-Cost   Grouped   2062   Incremental-Cost   Grouped   2063   Local-Seguence-Number   Unsigned32   2064   Ohraging-Characteristic-Selection-Mode   Enumerated   2065   Scale-Seguence-Number   Unsigned32   2066   Scale-Seguence-Number   Unsigned32   2074   Node-Id   Unif-Sitring   2075   Sext-Model-Session-ID   UTF8String   2100   Intermental-Cost   Grouped   2101   Application-Service-Type   Enumerated   2102   Dynamic-Address-Plag-Extension   Enumerated   2103   Application-Service-Type   Enumerated   2104   Application-Service-Type   Enumerated   2105   Content-To-Messages-Successfully-Exploded   Unsigned32   2106   Total-Number-Of-Messages-Successfully-Exploded   Unsigned32   2107   Total-Number-Of-Messages-Successfully-Exploded   Unsigned32   2115   DCD-Information   Grouped   2116   Content-Tyrovider-ID   UTF8String   2117   Total-Number-O			
2036 SDP-Type			
2037   Change-Condition		· · · · · · · · · · · · · · · · · · ·	
2038   Change-Time   Time   2038   Diagnosics   Integer32   2040   Service-Data-Container   Grouped   2041   Start. Time   Time   Time   2042   Stop-Time   Time   Time   2043   Time-First-Usage   Time   Time   2044   Time-Last-Usage   Time   2045   Time-Last-Usage   Time   2046   Time-Data-Volumes   Grouped   2046   Time-Data-Volumes   Grouped   2046   Time-Data-Volumes   Grouped   2047   Serving-Node-Type   Enumerated   2048   Enumerated   2049   Participant-Action-Type   Enumerated   2050   PDN-Connection-Charging-ID   Unstinged32   2051   Dynamic-Address-Flag   Enumerated   2052   Accumulated-Cost   Grouped   2053   AoC-Cost-Information   Grouped   2054   AoC-Information   Grouped   2054   AoC-Information   Grouped   2055   AoC-Request-Type   Enumerated   2056   Current-Tariff   Grouped   2056   Current-Tariff   Grouped   2058   Rate-Element   Grouped   2058   Rate-Element   Grouped   2058   Rate-Element   Grouped   2059   2058   Rate-Element   Grouped   2059   2058   Rate-Element   Grouped   2059   20			
Diagnostics			
2040   Service-Data-Container			
2041   Start-Time			
Stop-Time			
Description			
Description			
2045   Time-Usage			
2046   Traffic-Data-Volumes			
Serving-Node-Type			
2048   Supplementary-Service   Grouped			
2049   Participant-Action-Type			
Description			
Dynamic-Address-Flag			
2052   Accumulated-Cost   Grouped			
2053   AoC-Cost-Information   Grouped			
AcC-Information			
AcC-Request-Type			
2056   Current-Tariff   Grouped			
Next-Tariff	2055 AoC-Request-Type	Enumerated	
2058   Rate-Element   Grouped   2059   Scale-Factor   Grouped   2060   Tariff-Information   Grouped   2061   Unit-Cost   Grouped   2062   Unit-Cost   Grouped   2063   Local-Sequence-Number   Unsigned32   2064   Node-Id   UTF8String   2065   SGW-Change   Enumerated   Enumerated   2066   Charging-Characteristic-Selection-Mode   Enumerated   2067   SGW-Address   Address   Address   Address   Address   Address   Address   2068   Dynamic-Address-Flag-Extension   Enumerated   Enumerated   2067   SGW-Address   Address   Address   Address   Address   Address   Address   Address   Address   2068   Dynamic-Address-Flag-Extension   Enumerated   Enumerated	2056 Current-Tariff	Grouped	
Scale-Factor   Grouped	2057 Next-Tariff	Grouped	
Decoration	2058 Rate-Element	Grouped	
District   Content   Con	2059 Scale-Factor	Grouped	
District   Content   Con	2060 Tariff-Information		
2063   Local-Sequence-Number			
2064   Node-Id   UTF8String   Enumerated			
2065         SGW-Change         Enumerated           2066         Charging-Characteristic-Selection-Mode         Enumerated           2067         SGW-Address         Address           2068         Dynamic-Address-Flag-Extension         Enumerated           Note:         The AVP codes from 2069 to 2099 are reserved for TS 32.299.         -           2100         reserved         -           2101         Application-Service-Type         Enumerated           2102         Application-Session-ID         Unsigned32           2104         Delivery-Status         UTF8String           2105         reserved         -           2105         reserved         -           2106         reserved         -           2107         reserved         -           2109         reserved         -           2110         IM-Information         Grouped           2111         Number-Of-Messages-Successfully-Exploded         Unsigned32           2111         Number-Of-Messages-Successfully-Sent         Unsigned32           2113         Total-Number-Of-Messages-Sent         Unsigned32           2114         Total-Number-Of-Messages-Sent         Unsigned32           2115         DCD-Informa			
2066         Charging-Characteristic-Selection-Mode         Enumerated           2067         SGW-Address         Address           2068         Dynamic-Address-Flag-Extension         Enumerated           Note: The AVP codes from 2069 to 2099 are reserved for TS 32.299.         -           2100         reserved         -           2101         Application-Service-Type         Enumerated           2103         Application-Service-Type         Enumerated           2103         Application-Session-ID         Unsigned32           2104         Delivery-Status         UTF8String           2105         reserved         -           2106         reserved         -           2107         reserved         -           2108         reserved         -           2109         reserved         -           2110         IM-Information         Grouped           2111         Number-Of-Messages-Successfully-Exploded         Unsigned32           2112         Number-Of-Messages-Exploded         Unsigned32           2113         Total-Number-Of-Messages-Exploded         Unsigned32           2114         Total-Number-Of-Messages-Sent         Unsigned32           2115         DCD-Information <td></td> <td></td> <td></td>			
2067 SGW-Address         Address           2068 Dynamic-Address-Flag-Extension         Enumerated           Note: The AVP codes from 2069 to 2099 are reserved for TS 32.299.         -           2100 Ireserved         -           2101 Application-Service-Type         Enumerated           2103 Application-Service-Type         Enumerated           2104 Delivery-Status         UTF8String           2105 Ireserved         -           2106 Ireserved         -           2108 Ireserved         -           2109 Ireserved         -           2109 Ireserved         -           2110 IM-Information         Grouped           2111 Number-Of-Messages-Successfully-Exploded         Unsigned32           2112 Number-Of-Messages-Exploded         Unsigned32           2113 Total-Number-Of-Messages-Exploded         Unsigned32           2114 Total-Number-Of-Messages-Exploded         Unsigned32           2115 DCD-Information         Grouped           2116 Content-ID         UTF8String           2117 Content-IProvider-ID         UTF8String           2118 Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.         29.215 [22]           200 Subsession-Decision-Info         Grouped <td></td> <td></td> <td></td>			
Dynamic-Address-Flag-Extension   Enumerated			
Note: The AVP codes from 2069 to 2099 are reserved for TS 32.299.			
2100   reserved		Enamoratoa	
2101 Application-Server-ID         UTF8String           2102 Application-Service-Type         Enumerated           2103 Application-Session-ID         Unsigned32           2104 Delivery-Status         UTF8String           2105 reserved         -           2106 reserved         -           2107 reserved         -           2108 reserved         -           2109 reserved         -           2110 IM-Information         Grouped           2111 Number-Of-Messages-Successfully-Exploded         Unsigned32           2112 Number-Of-Messages-Successfully-Sent         Unsigned32           2113 Total-Number-Of-Messages-Exploded         Unsigned32           2114 Total-Number-Of-Messages-Sent         Unsigned32           2115 DCD-Information         Grouped           2116 Content-ID         UTF8String           2117 Content-provider-ID         UTF8String           2118 Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.           2200 Subsession-Decision-Info         Grouped           2201 Subsession-Enforcement-Info         Grouped           2202 Subsession-Id         Unsigned32		_	
2102         Application-Service-Type         Enumerated           2103         Application-Session-ID         Unsigned32           2104         Delivery-Status         UTF8String           2105         reserved         -           2106         reserved         -           2107         reserved         -           2108         reserved         -           2109         reserved         -           2110         IM-Information         Grouped           2111         Number-Of-Messages-Successfully-Exploded         Unsigned32           2112         Number-Of-Messages-Successfully-Sent         Unsigned32           2113         Total-Number-Of-Messages-Exploded         Unsigned32           2114         Total-Number-Of-Messages-Sent         Unsigned32           2115         DCD-Information         Grouped           2116         Content-ID         UTF8String           2117         Content-provider-ID         UTF8String           2118         Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.           2200         Subsession-Decision-Info         Grouped           201         Subsession-Enforcement-Info         Grou		UTF8String	
2103 Application-Session-ID         Unsigned32           2104 Delivery-Status         UTF8String           2105 reserved         -           2106 reserved         -           2107 reserved         -           2108 reserved         -           2109 reserved         -           2110 IM-Information         Grouped           2111 Number-Of-Messages-Successfully-Exploded         Unsigned32           2112 Number-Of-Messages-Successfully-Sent         Unsigned32           2113 Total-Number-Of-Messages-Exploded         Unsigned32           2114 Total-Number-Of-Messages-Sent         Unsigned32           2115 DCD-Information         Grouped           2116 Content-ID         UTF8String           2117 Content-provider-ID         UTF8String           2118 Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.           2200 Subsession-Decision-Info         Grouped           2201 Subsession-Enforcement-Info         Grouped           2202 Subsession-Id         Unsigned32			
2104         Delivery-Status         UTF8String           2105         reserved         -           2106         reserved         -           2107         reserved         -           2108         reserved         -           2109         reserved         -           2110         IM-Information         Grouped           2111         Number-Of-Messages-Successfully-Exploded         Unsigned32           2112         Number-Of-Messages-Successfully-Sent         Unsigned32           2113         Total-Number-Of-Messages-Exploded         Unsigned32           2114         Total-Number-Of-Messages-Sent         Unsigned32           2115         DCD-Information         Grouped           2116         Content-ID         UTF8String           2117         Content-provider-ID         UTF8String           2118         Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.         200           2200         Subsession-Decision-Info         Grouped           2201         Subsession-Enforcement-Info         Grouped           2202         Subsession-Id         Unsigned32			
2105 reserved         -           2106 reserved         -           2107 reserved         -           2108 reserved         -           2109 reserved         -           2110 IM-Information         Grouped           2111 Number-Of-Messages-Successfully-Exploded         Unsigned32           2112 Number-Of-Messages-Successfully-Sent         Unsigned32           2113 Total-Number-Of-Messages-Exploded         Unsigned32           2114 Total-Number-Of-Messages-Sent         Unsigned32           2115 DCD-Information         Grouped           2116 Content-ID         UTF8String           2117 Content-provider-ID         UTF8String           2118 Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.           2200 Subsession-Decision-Info         Grouped           2201 Subsession-Enforcement-Info         Grouped           2202 Subsession-Id         Unsigned32			
2106 reserved         -           2107 reserved         -           2108 reserved         -           2109 reserved         -           2110 lM-Information         Grouped           2111 Number-Of-Messages-Successfully-Exploded         Unsigned32           2112 Number-Of-Messages-Successfully-Sent         Unsigned32           2113 Total-Number-Of-Messages-Exploded         Unsigned32           2114 Total-Number-Of-Messages-Sent         Unsigned32           2115 DCD-Information         Grouped           2116 Content-ID         UTF8String           2117 Content-provider-ID         UTF8String           2118 Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.           2200 Subsession-Decision-Info         Grouped           2201 Subsession-Enforcement-Info         Grouped           2202 Subsession-Id         Unsigned32		-	
2107 reserved       -         2108 reserved       -         2109 reserved       -         2110 IM-Information       Grouped         2111 Number-Of-Messages-Successfully-Exploded       Unsigned32         2112 Number-Of-Messages-Successfully-Sent       Unsigned32         2113 Total-Number-Of-Messages-Exploded       Unsigned32         2114 Total-Number-Of-Messages-Sent       Unsigned32         2115 DCD-Information       Grouped         2116 Content-ID       UTF8String         2117 Content-provider-ID       UTF8String         2118 Charge-Reason-Code       Enumerated         Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.         2200 Subsession-Decision-Info       Grouped         2201 Subsession-Enforcement-Info       Grouped         2202 Subsession-Id       Unsigned32		<del> </del>	
2108 reserved         -           2109 reserved         -           2110 IM-Information         Grouped           2111 Number-Of-Messages-Successfully-Exploded         Unsigned32           2112 Number-Of-Messages-Successfully-Sent         Unsigned32           2113 Total-Number-Of-Messages-Exploded         Unsigned32           2114 Total-Number-Of-Messages-Sent         Unsigned32           2115 DCD-Information         Grouped           2116 Content-ID         UTF8String           2117 Content-provider-ID         UTF8String           2118 Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.           2200 Subsession-Decision-Info         Grouped           2201 Subsession-Enforcement-Info         Grouped           2202 Subsession-Id         Unsigned32			
2109   reserved   -		-	
2110IM-InformationGrouped2111Number-Of-Messages-Successfully-ExplodedUnsigned322112Number-Of-Messages-Successfully-SentUnsigned322113Total-Number-Of-Messages-ExplodedUnsigned322114Total-Number-Of-Messages-SentUnsigned322115DCD-InformationGrouped2116Content-IDUTF8String2117Content-provider-IDUTF8String2118Charge-Reason-CodeEnumeratedNote: The AVP codes from 2119 to 2199 are reserved for TS 32.299.2200Subsession-Decision-InfoGrouped2201Subsession-Enforcement-InfoGrouped2202Subsession-IdUnsigned32		-	22 200 [5]
2111Number-Of-Messages-Successfully-ExplodedUnsigned322112Number-Of-Messages-Successfully-SentUnsigned322113Total-Number-Of-Messages-ExplodedUnsigned322114Total-Number-Of-Messages-SentUnsigned322115DCD-InformationGrouped2116Content-IDUTF8String2117Content-provider-IDUTF8String2118Charge-Reason-CodeEnumeratedNote: The AVP codes from 2119 to 2199 are reserved for TS 32.299.2200Subsession-Decision-InfoGrouped2201Subsession-Enforcement-InfoGrouped2202Subsession-IdUnsigned32		-	J∠.∠99 [5]
2112 Number-Of-Messages-Successfully-Sent       Unsigned32         2113 Total-Number-Of-Messages-Exploded       Unsigned32         2114 Total-Number-Of-Messages-Sent       Unsigned32         2115 DCD-Information       Grouped         2116 Content-ID       UTF8String         2117 Content-provider-ID       UTF8String         2118 Charge-Reason-Code       Enumerated         Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.         2200 Subsession-Decision-Info       Grouped         2201 Subsession-Enforcement-Info       Grouped         2202 Subsession-Id       Unsigned32			
2113 Total-Number-Of-Messages-Exploded         Unsigned32           2114 Total-Number-Of-Messages-Sent         Unsigned32           2115 DCD-Information         Grouped           2116 Content-ID         UTF8String           2117 Content-provider-ID         UTF8String           2118 Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.           2200 Subsession-Decision-Info         Grouped           2201 Subsession-Enforcement-Info         Grouped           2202 Subsession-Id         Unsigned32			
2114 Total-Number-Of-Messages-Sent       Unsigned32         2115 DCD-Information       Grouped         2116 Content-ID       UTF8String         2117 Content-provider-ID       UTF8String         2118 Charge-Reason-Code       Enumerated         Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.         2200 Subsession-Decision-Info       Grouped         2201 Subsession-Enforcement-Info       Grouped         2202 Subsession-Id       Unsigned32			
2115         DCD-Information         Grouped           2116         Content-ID         UTF8String           2117         Content-provider-ID         UTF8String           2118         Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.         Grouped           2200         Subsession-Decision-Info         Grouped           2201         Subsession-Enforcement-Info         Grouped           2202         Subsession-Id         Unsigned32			
2116 Content-ID         UTF8String           2117 Content-provider-ID         UTF8String           2118 Charge-Reason-Code         Enumerated           Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.           2200 Subsession-Decision-Info         Grouped           2201 Subsession-Enforcement-Info         Grouped           2202 Subsession-Id         Unsigned32			
2117 Content-provider-IDUTF8String2118 Charge-Reason-CodeEnumeratedNote: The AVP codes from 2119 to 2199 are reserved for TS 32.299.2200 Subsession-Decision-InfoGrouped2201 Subsession-Enforcement-InfoGrouped2202 Subsession-IdUnsigned32			
2118 Charge-Reason-CodeEnumeratedNote: The AVP codes from 2119 to 2199 are reserved for TS 32.299.Grouped2200 Subsession-Decision-InfoGrouped2201 Subsession-Enforcement-InfoGrouped2202 Subsession-IdUnsigned32			
Note: The AVP codes from 2119 to 2199 are reserved for TS 32.299.           2200         Subsession-Decision-Info         Grouped           2201         Subsession-Enforcement-Info         Grouped           2202         Subsession-Id         Unsigned32			
2200Subsession-Decision-InfoGrouped2201Subsession-Enforcement-InfoGrouped2202Subsession-IdUnsigned32		Enumerated	
2201Subsession-Enforcement-InfoGrouped2202Subsession-IdUnsigned32			
2202 Subsession-Id Unsigned32 29.215 [22]			
2202   Subsession-id Unsigned 32			29 215 [22]
2203 Subsession-Operation Enumerated			20.210 [22]
	2203 Subsession-Operation	Enumerated	

2204 Multiple-BBERF-Action	Enumerated	
2205 UE-Local-IPv6-Prefix	OctetString	
2206 DRA-Deployment	Enumerated	
2207 PCRF-Address	DiameterIdentity	
2208 DRA-Binding	Enumerated	
Note: The AVP codes from 2209 to 2299 are reserved for TS 29.215.	Enameratea	
2300 reserved	-	
2301 SIP-Request-Timestamp-Fraction	Unsigned32	
2302 SIP-Response-Timestamp-Fraction	Unsigned32	
2303 Online-Charging-Flag	Enumerated	
2304 CUG-Information	OctetString	
2305 Real-Time-Tariff-Information	Grouped	
2306 Tariff-XML	UTF8String	
2307 MBMS GW-Address	Address	
2308 IMSI-Unauthenticated-Flag	Enumerated	
2309 Account-Expiration	Time	
2310 AoC-Format	Enumerated	
2311 AoC-Service	Enumerated	32.299 [5]
2312 AoC-Service-Obligatory-Type	Grouped	02.200 [0]
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 Note: The AVP codes from 2324 to 2399 are reserved for TS 32.299.	Enumerated	
2400 LMSI	OctetString	
2400 Elvisi 2401 Serving-Node	Grouped	
2401 Gerving-Node	DiameterIdentity	
2403 MSC-Number	OctetString	
2404 LCS-Capabilities-Sets	Unsigned32	
2405 GMLC-Address	Address	
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	00 470 [04]
2510 Supported-GAD-Shapes	Unsigned32	29.172 [24]
2511 LCS-Codeword	UTF8String	
2512 LCS-Privacy-Check 2513 Accuracy-Fulfilment-Indicator	Enumerated Enumerated	
2513 Accuracy-Fulliment-Indicator 2514 Age-Of-Location-Estimate	Unsigned32	
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	
The state of the s		

2521   I.C.SPrivacy-Check-Non-Session   Grouped		<u> </u>	
2523   CS-OoS-Class			
2524   GERAN-Positioning-Data   CetelString   2526   GERAN-ASANSS-Positioning-Data   CetelString   2526   CERAN-GANSS-Positioning-Data   CetelString   2527   UTRAN-Positioning-Data   CetelString   2528   UTRAN-Positioning-Data   CetelString   2529   UTRAN-Positioning-Data   CetelString   2529   UTRAN-Positioning-Data   CetelString   2529   UTRAN-Rositioning-Data   CetelString   2520   UTRAN-Rositioning-Data   CetelString   2520   UTRAN-Rositioning-Data   CetelString   2520   UTRAN-Rositioning-Data   Unsigned32   2531   U.S.Ferference-Number   CetelString   2532   U.S.Ferference-Number   CetelString   2533   U.S.Ferference-Number   CetelString   2534   U.S.Ferference-Number   Unsigned32   2533   Area Definition   Grouped   2534   Area-Definition   Grouped   2535   Area   Grouped   2536   Area - Type   Unsigned32   2537   Area-Identification   Grouped   2538   Occurrence-Info   Enumerated   2539   Internal-Time   Unsigned32   2540   Periodic-LDR-Information   Grouped   2541   Reporting-Information   Grouped   2542   Reporting-PLMM-List   Grouped   2543   Reporting-PLMM-List   Grouped   2544   Periodic-Defining-PLMM-List   Grouped   2545   Periodic-Cocation-Support-Indicator   Enumerated   2546   PLR-Flags   Unsigned32   2546   PLR-Flags   Unsigned32   2546   PLR-Flags   Unsigned32   2547   Determed-MT-LR-Data   Grouped   2548   Termination-Cause   Unsigned32   2549   Termination-Cause   Unsigned32   2540   Periodic-Location-Support-Indicator   Enumerated   2541   Reporting-Plant-List   Grouped   2542   Cetel-Time   Grouped   2543   Cetel-Time   Grouped   2544   Cetel-Time   Grouped   2545   Periodic-Location-Reporting-Data   Grouped   2546   PLR-Flags   Unsigned32   2547   Determed-MT-R-Data   Grouped   2548   Termination-Cause   Unsigned32   2549   Termination-Cause   Unsigned32   2549   Termination-Cause   Unsigned32   2540   Plant-Reporting-Data   Grouped   2541   Reporting-Plant-Reporting-Data   Grouped   2542   Germed-MT-R-Data   Grouped   2543   Reporting-Plant-Reporting-Data   Grouped   2544   Cetel-Time			
2525   GERAN-Positioning-Data   OctelString   2526   GERAN-Positioning-Data   OctelString   2527   UTRAN-Positioning-Info   Grouped   2528   UTRAN-Positioning-Data   OctelString   2529   UTRAN-Positioning-Data   OctelString   2529   UTRAN-Positioning-Data   OctelString   2529   UTRAN-GANSS-Positioning-Data   OctelString   2529   UTRAN-GANSS-Positioning-Data   OctelString   2520   URRA-Flags   Unsigned32   2531   UES-Reference-Number   OctelString   2532   Deferred-Location-Type   Unsigned32   2533   Area-Event-Info   Grouped   2534   Area-Definition   Grouped   2534   Area-Definition   Grouped   2534   Area-Definition   Grouped   2536   Area-Type   Unsigned32   2537   Area-Identification   Grouped   2538   Octerred-Info   Grouped   2539   Octerred-Info   Grouped   2539   Octerred-Info   Grouped   2539   Octerred-Info   Grouped   2539   Octerred-Info   Grouped   2540   Periodic-UR-Information   Grouped   2541   Reporting-Mnount   Unsigned32   2542   Reporting-Interval   Unsigned32   2543   Reporting-PLMN-List   Grouped   2544   PLMN-U-List   Grouped   2544   PLMN-U-List   Grouped   2545   PLR-Flags   Unsigned32   2546   PLR-Flags   Unsigned32   2547   Deferred-MT-LR-Data   Grouped   2548   Formination-Gause   Unsigned32   2549   Terred-Information   Grouped   2549   Terred-Information   Grouped   2540   Periodic-Ocation-Support-Indicator   Enumerated   2551   Prioritized-List-Indicator   Enumerated   2552   ESMIC-Cell-Info   Grouped   2553   Octer-String   2555   Octer-Additional-Positioning-Data   Grouped   2556   Otto-Additional-Positioning-Data   Grouped   2557   Grouped-Location-Reporting-Data   Grouped   2558   URSAN-Additional-Positioning-Data   Grouped   2559   Prioritized-List-Indicator   Enumerated   2550   Prioritized-Ust-Indicator   Enumerated   2551   Priority-Indicator   Enumerated   2552   Representation-Indicator   Enumerated   2553   Transch-Type   Enumerated   2554   December   Grouped   Grouped   2555   Transch-Type   Enumerated   2570   Related-MS-Charging-Identifier   UTF8String   2770   Ro			
2526   GERAN-GANSS-Positioning-Data   OctetString   2528   UTRAN-Positioning-Data   OctetString   2529   UTRAN-Positioning-Data   OctetString   2529   UTRAN-Positioning-Data   OctetString   2520   UTRAN-Positioning-Data   OctetString   2520   UTRAN-RANSS-Positioning-Data   OctetString   2520   UTRAN-RANSS-Positioning-Data   OctetString   2531   UCS-Reference-Number   OctetString   2532   OctetString   OctetString   2533   UCS-Reference-Number   OctetString   2534   OctetString   OctetString   2532   OctetString   OctetString   2533   Area-Positioning-Type   Unsigned32   2534   Area-Definition   Grouped   2534   Area-Definition   Grouped   2535   Area-Verticol   OctetString   2536   Area-Type   Unsigned32   2537   Area-Identification   Grouped   2538   Occurrence-Info   Enumerated   2539   Interval   Unsigned32   2540   Periodic-LDR-Information   Grouped   2541   Reporting-Mount   Unsigned32   2542   Reporting-PLMN-List   Grouped   2543   Reporting-PLMN-List   Grouped   2544   Reporting-PLMN-List   Grouped   2545   PLA-Flags   Unsigned32   2546   PLA-Flags   Unsigned32   2546   PLA-Flags   Unsigned32   2546   PLA-Flags   Unsigned32   2547   Deferred-MT-R-Data   Grouped   2549   Deferred-MT-R-Data   Grouped   2549   Deferred-MT-R-Data   Grouped   2540   Deferred-MT-R-Data   Grouped   2541   Reporting-Data   Unsigned32   2542   Deferred-MT-R-Data   Grouped   2543   Reporting-Data   Grouped   2544   Unsigned32   2545   Plac-Flags   Unsigned32   2546   PLA-Flags   Unsigned32   2547   Deferred-MT-R-Data   Grouped   2548   Proficial Location-Support-Indicator   Enumerated   2549   Unsigned32   2540   Deferred-MT-R-Data   Grouped   2540   Unsigned32   2541   Reporting-Data   Grouped   2542   Deferred-MT-R-Data   Grouped   2543   Reporting-Defaul-Indicator   Enumerated   2544   Unsigned32   Grouped   2557   Default-Indicator   Enumerated   2558   Delayed-Location-Reporting-Data   Grouped   2559   Delayed-Location-Reporting-Data   Grouped   2550   Delayed-Uncation-Reference-Indicator   Enumerated   2551   Reporting-Def			
SEZE   UTRAN Positioning-Data   OctofString			
2528 UTRAN-Positioning-Data			
Description   Celebrate   Ce			
2530   LCR-Flags			
Content			
2533   Area Event-Info			
2633 Area - Event-Info			
2534 Area-Definition			
2536 Area			
2536 Area-Type			
2533   Carcingerion   Grouped			
2538   Decurrence-Info			
District   District			
2540   Periodic-LDR-Information   Grouped   2541   Reporting-Amount   Unsigned32   2542   Reporting-Interval   Unsigned32   2543   Reporting-Interval   Unsigned32   2544   PLMN-ILST   Grouped   2545   PLR-Flags   Unsigned32   2546   PLA-Flags   Unsigned32   2546   PLA-Flags   Unsigned32   2546   PLA-Flags   Unsigned32   2547   Deferred-MT-LR-Data   Grouped   2548   Termination-Cause   Unsigned32   2549   Termination-Cause   Unsigned32   2549   Termination-Cause   Unsigned32   2549   Termination-Cause   Unsigned32   2550   Periodic-Location-Support-Indicator   Enumerated   2551   Prioritized-List-Indicator   Enumerated   2552   ESMLC-Cell-Info   Grouped   2553   Cell-Portion-ID   Unsigned32   2554   URTT-RCID   OctetString   2555   Delayed-Location-Reporting-Data   Grouped   2556   Civic-Address   UTF8String   2557   Barometric-Pressure   Unsigned32   2558   UTRA-M-dditional-Positioning-Data   OctetString   2558   UTRA-M-dditional-Positioning-Data   OctetString   2560   Inserved   UTF8String   2601   Inserved   UTF8String   2602   Low-Priority-Indicator   Enumerated   2603   IP-Realm-Default-Indicator   Enumerated   2604   IP-Address-Prefix-Length   Unsigned32   2605   Transcoder-Inserted-Indicator   Enumerated   2606   Transcoder-Inserted-Indicator   Enumerated   2607   Reserved   UTF8String   2708   Reserved   Transcript-Information   Grouped   2709   Roses-Transfer-Information   Grouped   2701   Related-IMS-Charging-Identifier   UTF8String   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   Roseseved   UTF8String   2716   Roseseved   UTF8Strin			
1541   Reporting-Amount   Unsigned32			
2543   Reporting-Interval   Unsigned32   2543   Reporting-PLMN-List   Grouped   2544   PLMN-ID-List   Grouped   2545   PLR-Flags   Unsigned32   2546   PLR-Flags   Unsigned32   2547   Deferred-MT-LR-Data   Grouped   2548   Termination-Cause   Unsigned32   2549   LRA-Flags   Unsigned32   2549   LRA-Flags   Unsigned32   2550   Periodic-Location-Support-Indicator   Enumerated   2551   Prioritzed-List-Indicator   Enumerated   2552   ESMLC-Cell-Info   Grouped   2553   Cell-Portion-ID   Unsigned32   2554   LRATT-RCID   Grouped   2555   Delayed-Location-Reporting-Data   Grouped   2555   Delayed-Location-Reporting-Data   Grouped   2556   Civic-Address   UTF8String   2557   Barometric-Pressure   Unsigned32   2558   UTRAN-Additional-Positioning-Data   OctelString   2558   UTRAN-Additional-Positioning-Data   OctelString   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   PDP-Address   Ferik-Length   Unsigned32   2700   Reserved			
2543   PLMN-ID-List   Grouped			
SA44   PLMN-ID-List   Grouped			
2546   PLA-Flags			
2546   PLA-Flags			
Deferred-MT-LR-Data			
Earlier   Unsigned32			
2550			
Enumerated   Enu			
Enumerated   Enumerated   Enumerated   Enumerated   Essis   EsMLC-Cell-Info   Grouped   Unsigned32   ESMLC-Cell-Info   Unsigned32   ESMLC-Cell-Info   Unsigned32   ESMLC-Cell-Info   Unsigned32   ESMLC-Cell-Info   Unsigned32   Essis   Enumerated   Essis   Essis			
2552   ESMLC-Cell-Info			
2553   Cell-Portion-ID			
2554   xRTT-RCID			
2555   Delayed-Location-Reporting-Data   Grouped			
2556   Civic-Address			
2557   Barometric-Pressure			
2558   UTRAN-Additional-Positioning-Data   OctetString			
Note: The AVP codes from 2559 to 2599 are reserved for TS 29.172.			
2600   reserved   -		Octetotring	
2601 IMS-Application-Reference-Identifier         UTF8String           2602 Low-Priority-Indicator         Enumerated           2603 IP-Realm-Default-Indicator         Enumerated           2605 Transcoder-Inserted-Indicator         Enumerated           2606 PDP-Address-Prefix-Length         Unsigned32           Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.         -           2700 Reserved         -           2701 Transit-IOI-List         UTF8String           2702 Status-AS-Code         Enumerated           2703 NNI-Information         Grouped           2704 NNI-Type         Enumerated           2705 Neighbour-Node-Address         Address           2706 Relationship-Mode         Enumerated           2707 Session-Direction         Enumerated           2707 Session-Direction         Enumerated           2708 From-Address         UTF8String           2710 Access-Transfer-Information         Grouped           2711 Related-IMS-Charging-Identifier         UTF8String           2712 Related-IMS-Charging-Identifier         UTF8String           2713 IMS-Visited-Network-Identifier         UTF8String           2714 TWAN-User-Location-Info         Grouped           2715 Reserved         -           2716 BSSID		_	
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           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         UTF		UTF8String	
2603   IP-Realm-Default-Indicator   Enumerated   2604   Local-GW-Inserted-Indicator   Enumerated   Enumerated   2605   Transcoder-Inserted-Indicator   Enumerated   Enumerated   2606   PDP-Address-Prefix-Length   Unsigned32   Unsigned32   Unsigned32   Variety   Var			
2604         Local-GW-Inserted-Indicator         Enumerated           2605         Transcoder-Inserted-Indicator         Enumerated           2606         PDP-Address-Prefix-Length         Unsigned32           Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.         -           2700         Reserved         -           2701         Transit-IOI-List         UTF8String           2702         Status-AS-Code         Enumerated           2703         NNI-Information         Grouped           2704         NNI-Type         Enumerated           2705         Neighbour-Node-Address         Address           2706         Relationship-Mode         Enumerated           2707         Session-Direction         Enumerated           2708         From-Address         UTF8String           2709         Access-Transfer-Information         Grouped           2711         Related-IMS-Charging-Identifier         UTF8String           2713         IMS-Visited-Network-Identifier         UTF8String           2714         TWAN-User-Location-Info         Grouped           2715         Reserved         -           2716         BSSID         UTF8String			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           2714         TWAN-User-Location-Info         Grouped           2715         Reserved         -           2716         BSSID         UTF8String		*	[0]
2606 PDP-Address-Prefix-Length         Unsigned32           Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.           2700 Reserved         -           2701 Transit-IOI-List         UTF8String           2702 Status-AS-Code         Enumerated           2703 NNI-Information         Grouped           2704 NNI-Type         Enumerated           2705 Neighbour-Node-Address         Address           2706 Relationship-Mode         Enumerated           2707 Session-Direction         Enumerated           2708 From-Address         UTF8String           2709 Access-Transfer-Information         Grouped           2710 Access-Transfer-Type         Enumerated           2711 Related-IMS-Charging-Identifier         UTF8String           2712 Related-IMS-Charging-Identifier         UTF8String           2713 IMS-Visited-Network-Identifier         UTF8String           2714 TWAN-User-Location-Info         Grouped           2715 Reserved         -           2716 BSSID         UTF8String			
Note: The AVP codes from 2607 to 2699 are reserved for TS 32.299.  2700 Reserved  2701 Transit-IOI-List  2702 Status-AS-Code  2703 NNI-Information  2704 NNI-Type  2705 Neighbour-Node-Address  2706 Relationship-Mode  2707 Session-Direction  2708 From-Address  2709 Access-Transfer-Information  2709 Access-Transfer-Type  2710 Access-Transfer-Type  2711 Related-IMS-Charging-Identifier  2712 Related-IMS-Charging-Identifier  2713 IMS-Visited-Network-Identifier  2714 TWAN-User-Location-Info  2715 Reserved  2716 BSSID  UTF8String  2716 UTF8String  2717 Carped  2718 Grouped  2719 Carped  2719 Carped  2710 Carped  2710 Carped  2711 TWAN-User-Location-Info  2712 Carped  2713 IMS-Visited-Network-Identifier  2714 TWAN-User-Location-Info  2715 Carped  2716 BSSID  UTF8String  2717 UTF8String  2718 UTF8String  2719 UTF8String			
2700 Reserved         -           2701 Transit-IOI-List         UTF8String           2702 Status-AS-Code         Enumerated           2703 NNI-Information         Grouped           2704 NNI-Type         Enumerated           2705 Neighbour-Node-Address         Address           2706 Relationship-Mode         Enumerated           2707 Session-Direction         Enumerated           2708 From-Address         UTF8String           2709 Access-Transfer-Information         Grouped           2710 Access-Transfer-Type         Enumerated           2711 Related-IMS-Charging-Identifier         UTF8String           2712 Related-IMS-Charging-Identifier Address         UTF8String           2713 IMS-Visited-Network-Identifier         UTF8String           2714 TWAN-User-Location-Info         Grouped           2715 Reserved         -           2716 BSSID         UTF8String			
2701Transit-IOI-ListUTF8String2702Status-AS-CodeEnumerated2703NNI-InformationGrouped2704NNI-TypeEnumerated2705Neighbour-Node-AddressAddress2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String		-	
2702Status-AS-CodeEnumerated2703NNI-InformationGrouped2704NNI-TypeEnumerated2705Neighbour-Node-AddressAddress2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String		UTF8String	
2703NNI-InformationGrouped2704NNI-TypeEnumerated2705Neighbour-Node-AddressAddress2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String			
2704NNI-TypeEnumerated2705Neighbour-Node-AddressAddress2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String			
2705Neighbour-Node-AddressAddress2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String			
2706Relationship-ModeEnumerated2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String			
2707Session-DirectionEnumerated2708From-AddressUTF8String2709Access-Transfer-InformationGrouped2710Access-Transfer-TypeEnumerated2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String			
2709 Access-Transfer-InformationGrouped2710 Access-Transfer-TypeEnumerated2711 Related-IMS-Charging-IdentifierUTF8String2712 Related-IMS-Charging-Identifier-NodeAddress2713 IMS-Visited-Network-IdentifierUTF8String2714 TWAN-User-Location-InfoGrouped2715 Reserved-2716 BSSIDUTF8String	2707 Session-Direction	Enumerated	
2710 Access-Transfer-Information  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		UTF8String	32 200 [E]
2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String			32.299 [3]
2711Related-IMS-Charging-IdentifierUTF8String2712Related-IMS-Charging-Identifier-NodeAddress2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String		Enumerated	
2713IMS-Visited-Network-IdentifierUTF8String2714TWAN-User-Location-InfoGrouped2715Reserved-2716BSSIDUTF8String	2711 Related-IMS-Charging-Identifier		
2714 TWAN-User-Location-InfoGrouped2715 Reserved-2716 BSSIDUTF8String			
2715 Reserved         -           2716 BSSID         UTF8String		•	
2716 BSSID UTF8String		Grouped	
		-	
2717 TAD-Identifier Enumerated			
	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	
2801 ADC-Revalidation-Time Time	
2803 HeNB-BBF-FQDN UTF8String	
2804 HeNB-Local-IP-Address Address	
2805 UE-Local-IP-Address Address	
2806 UDP-Source-Port Unsigned32	
2807 CS-Service-Qos-Request-Identifier OctetString	
2808 CS-Service-QoS-Request-Operation Enumerated	
2809 Mute-Notification Enumerated	
2810 Monitoring-Time Time	
2811 AN-GW-Status Enumerated	
2812 User-Location-Info-Time Grouped	
2813 CS-Service-Resource-Report Time	
2814 CS-Service-Resource-Failure-Cause Enumerated	
2815 CS-Service-Resource-Result-Operation Enumerated	
2816 Default-QoS-Information Grouped	
2817 Default-QoS-Name UTF8String	
2818 Conditional-APN-Aggregate-Max-Bitrate Grouped	
2819 RAN-NAS-Release-Cause OctetString	
2820 Presence-Reporting-Area-Elements-List     OctetString       2821 Presence-Reporting-Area-Identifier     OctetString	
2821   Presence-Reporting-Area-Identifier   Octetstring   29.212 [1   2822   Presence-Reporting-Area-Information   Grouped   29.212   29	]
2823 Presence-Reporting-Area-Status Unsigned32	
2824 NetLoc-Access-Support Unsigned32	
2825 Fixed-User-Location-Info Grouped	
2826 PCSCF-Restoration-Indication Unsigned32	
2827 IP-CAN-Session-Charging-Scope Enumerated	
2828 Monitoring-Flags Unsigned32	
2829 Default-Access Enumerated	
2830 NBIFOM-Mode Enumerated	
2831 NBIFOM-Support Enumerated	
2832 RAN-Rule-Support Unsigned32	
2833 Access-Availability-Change-Reason Unsigned32	
2834 Routing-Rule-Failure-Code Unsigned32	
2835 Routing-Rule-Report Grouped	
2836 Traffic-Steering-Policy-Identifier-DL OctetString	
2837 Traffic-Steering-Policy-Identifier-UL OctetString	
2838 Request-Type Unsigned32	
2839 Execution-Time Time	
2840 Conditional-Policy-Information Grouped	
2841 Resource-Release-Notification Enumerated	
2842 Removal-Of-Access Enumerated	
2843 TCP-Source-Port Unsigned32	
Note: The AVP codes from 2844 to 2899 are reserved for TS 29.212.	
2900 reserved -	
2901 Policy-Counter-Identifier Grouped	,
2902 Policy-Counter-Status UTF8String 29.219 [2	ľ
2903 Policy-Counter-Status-ReportGrouped2904 SL-Request-TypeEnumerated	
Note: The AVP codes from 2905 to 2999 are reserved for TS 29.219.	
3000 reserved -	
3000 reserved - 3001 Device-Action Grouped	
3002 Device-Notification Grouped	
3003 Trigger-Data Grouped	
3004 Payload OctetString	
3005 Action-Type Enumerated	
3006 Priority-Indication Enumerated 29.368 [2	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.		
3100 IP-SM-GW-Number	OctetString	
3101 IP-SM-GW-Name	DiameterIdentity	
3102 User-Identifier	Grouped	
3103 Service-ID	Enumerated	
3104 SCS-Identity	OctetString	
3105 Service-Parameters	Grouped	
3106 T4-Parameters	Grouped	
3107 Service-Data	Grouped	
3108 T4-Data		
3109 HSS-Cause	Grouped	
	Unsigned32	
3110 SIR-Flags	Unsigned32	
3111 External-Identifier	UTF8String	
3112 IP-SM-GW-Realm	DiameterIdentity	
3113 AESE-Communication-Pattern	Grouped	
3114 Communication-Pattern-Set	Grouped	
3115 Periodic-Communication-Indicator	Unsigned32	
3116 Communication-Duration-Time	Unsigned32	
3117 Periodic-Time	Unsigned32	
3118 Scheduled-Communication-Time	Grouped	
3119 Stationary-Indication	Unsigned32	
3120 AESE-Communication-Pattern-Config-Status	Grouped	
3121 AESE-Error-Report	Grouped	
3122 Monitoring-Event-Configuration	Grouped	
3123 Monitoring-Event-Report	Grouped	
3124 SCEF-Reference-ID	Unsigned32	
3125 SCEF-ID	DiameterIdentity	
3126 SCEF-Reference-ID-for-Deletion	Unsigned32	
3127 Monitoring-Type	Unsigned32	29.336 [28]
3128 Maximum-Number-of-Reports	Unsigned32	
3129 UE-Reachability-Configuration	Grouped	
3130 Monitoring-Duration	Time	
3131 Maximum-Detection-Time	Unsigned32	
3132 Reachability-Type	Unsigned32	
3133 Maximum-Latency	Unsigned32	
3134 Maximum-Response-Time	Unsigned32	
3135 Location-Information-Configuration	Grouped	
3136 MONTE-Location-Type	Unsigned32	
3137 Accuracy	Unsigned32	
3138 Association-Type	Unsigned32	
3139 Roaming-Information	Unsigned32	
3140 Reachability-Information	Unsigned32	
3141 IMEI-Change	Unsigned32	
3142 Monitoring-Event-Config-Status	Grouped	
3143 Supported-Service-Masks	Grouped	
3144 Supported-Monitoring-Event-Mask	Unsigned64	
3145 CIR-Flags	Unsigned32	
3146 Service-Result	Grouped	
3147 Service-Result-Code	Unsigned32	
3148 Reference-ID-Validity-Time	Time	
3149 Event-handling	Unsigned32	
3150 NIDD-Authorization-Request	<u> </u>	
	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.	1 e	
3200 SM-Delivery-Outcome-T4	Enumerated	
3201 Absent-Subscriber-Diagnostic-T4	Enumerated	29.337 [29]
3202 Trigger-Action	Unsigned32	_0.007 [_0]
3203 MTC-Error-Diagnostic	Unsigned32	
Note: The AVP codes from 3204 to 3299 are reserved for TS 29.337.		
3300 SC-Address	OctetString	
3301 SM-RP-UI	OctetString	29.338 [30]
3302 TFR-Flags	Unsigned32	
		<del></del>

3303	SM-Delivery- Failure-Cause	Grouped	
3304	SM-Enumerated-Delivery-Failure-Cause	Enumerated	
3305	SM-Diagnostic-Info	OctetString	
3306	SM-Delivery-Timer	Unsigned32	
	SM-Delivery-Start-Time	Time	
	SM-RP-MTI	Enumerated	
	SM-RP-SMEA	OctetString	
	SRR-Flags	Unsigned32	
	SM-Delivery-Not-Intended	Enumerated	
	MWD-Status	Unsigned32	
	MME-Absent-User-Subscriber-Diagnostic-SM	Unsigned32	
	MSC-Absent-User-Subscriber-Diagnostic-SM	Unsigned32	
	SGSN-Absent-User-Subscriber-Diagnostic SM	Unsigned32	
	SM-Delivery-Outcome	Grouped	
	MME-SM-Delivery-Outcome	Grouped	
	MSC-SM-Delivery-Outcome	Grouped	
	SGSN-SM-Delivery-Outcome	Grouped	
	IP-SM-GW-SM-Delivery-Outcome	Grouped	
3321	SM-Delivery-Cause	Enumerated	
3322	Absent-User-Diagnostic-SM	Unsigned32	
3323	RDR-Flags	Unsigned32	
	SMSMI-Correlation-ID	Unsigned32	
	HSS-ID	UTF8String	
	Originating-SIP-URI	UTF8String	
	Destination-SIP-URI	UTF8String	
	OFR-Flags	Unsigned32	
	Maximum-UE-Availability-Time	Time	
	Maximum-Retransmission-Time	Time	
	Requested-Retransmission-Time	Time	
	SMS-GMSC-Address	OctetString	
	SMS-GMSC-Alert-Event	Unsigned32	
	The AVP codes from 3334 to 3399 are reserved for TS 29.338.		
	reserved	-	
	Reason-Header	UTF8String	
	Instance-Id	UTF8String	
	Route-Header-Received	UTF8String	
	Route-Header-Transmitted	UTF8String	
3405	SM-Device-Trigger-Information	Grouped	
	MTC-IWF-Address	Address	
	SM-Device-Trigger-Indicator	Enumerated	
	SM-Sequence-Number	Unsigned32	
3409	SMS-Result	Unsigned32	
3410	VCS-Information	Grouped	
3411	Basic-Service-Code	Grouped	
	Bearer-Capability	OctetString	
	Teleservice	OctetString	
	ISUP-Location-Number	OctetString	
	Forwarding-Pending	Enumerated	
	ISUP-Release-Cause	Unsigned32	32.299 [5]
	MSC-Address	OctetString	02.200 [0]
	Network-Call-Reference-Number	OctetString	
	Start-of-Charging	Time	
	VLR-Number	OctetString	
	CN-Operator-Selection-Entity	Enumerated	
	ISUP-Cause-Diagnostics	OctetString	
	ISUP-Cause-Location	Unsigned32	
	ISUP-Cause-Value	Unsigned32	
	EPDG-Address	Address	
	Announcing-UE-HPLMN-Identifier	UTF8String	
	Announcing-UE-VPLMN-Identifier	UTF8String	
	Coverage-Status	Enumerated	
	Layer-2-Group-ID	OctetString	
	Monitored-PLMN-Identifier	UTF8String	
	Monitoring-UE-HPLMN-Identifier	UTF8String	
3432	Monitoring-UE-Identifier	UTF8String	

2122			
	Monitoring-UE-VPLMN-Identifier	UTF8String	
	ProSe-PC3-Control-Protocol-Cause	Integer32	
	ProSe-PC3-EPC-Control-Protocol-Cause	Integer32	
	Requested-PLMN-Identifier	UTF8String	
	Requestor-PLMN-Identifier	UTF8String	
3438	Role-Of-ProSe-Function	Enumerated	
3439	Usage-Information-Report-Sequence-Number	Integer32	
3440	ProSe-3rd-Party-Application-ID	UTF8String	
	ProSe-Direct-Communication-Transmission-Data-Container	Grouped	
	ProSe-Direct-Discovery-Model	Enumerated	
	ProSe-Event-Type	Enumerated	
	ProSe-Function-IP-Address	Address	
	ProSe-Functionality	Enumerated	
	ProSe-Group-IP-Multicast-Addresses	Address	
	ProSe-Information	Grouped	
	ProSe-Range-Class		
		Enumerated	
	ProSe-Reason-For-Cancellation	Enumerated	
	ProSe-Request-Timestamp	Time	
	ProSe-Role-Of-UE	Enumerated	
	ProSe-Source-IP-Address	Address	
	ProSe-UE-ID	OctetString	
	Proximity-Alert-Indication	Enumerated	
	Proximity-Alert-Timestamp	Time	
	Proximity-Cancellation-Timestamp	Time	
3457	ProSe-Function-PLMN-Identifier	UTF8String	
3458	Application-Specific-Data	OctetString	
	Coverage-Info	Grouped	
	Location-Info	Grouped	
	ProSe-Direct-Communication-Reception-Data-Container	Grouped	
	Radio-Frequency	OctetString	
	Radio-Parameter-Set-Info	Grouped	
	Radio-Parameter-Set-Values	OctetString	
	Radio-Resources-Indicator	Integer32	
	Time-First-Reception	Time	
	Time-First-Transmission	Time	
	Transmitter-Info	Grouped	
	The AVP codes from 3469 to 3499 are reserved for TS 32.299.		
	BMSC-Address	Address	
	BMSC-Port	Unsigned32	
	MBMS-Bearer-Event	Unsigned32	
3503	MBMS-Bearer-Event-Notification	Grouped	
	MBMS-Bearer-Request		
		Grouped	
	MBMS-Bearer-Response	Grouped	
3506	MBMS-Bearer-Response MBMS-Bearer-Result	Grouped Unsigned32	
3506 3507	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time	Grouped Unsigned32 Time	
3506 3507 3508	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency	Grouped Unsigned32 Time Unsigned32	29 <i>4</i> 68 [31]
3506 3507 3508 3509	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request	Grouped Unsigned32 Time Unsigned32 Grouped	29.468 [31]
3506 3507 3508 3509 3510	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response	Grouped Unsigned32 Time Unsigned32 Grouped Grouped	29.468 [31]
3506 3507 3508 3509 3510 3511	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result	Grouped Unsigned32 Time Unsigned32 Grouped	29.468 [31]
3506 3507 3508 3509 3510 3511	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response	Grouped Unsigned32 Time Unsigned32 Grouped Grouped	29.468 [31]
3506 3507 3508 3509 3510 3511 3512	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Request	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Grouped	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513 3514	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Response	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Grouped Grouped Unsigned32 Grouped Unsigned32	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Request TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Grouped Grouped Grouped Grouped Grouped Unsigned32 Grouped Unsigned32	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Request TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Grouped Unsigned32	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Request TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Expiry TMGI-Number MB2U-Security	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Grouped Grouped Grouped Grouped Grouped Unsigned32 Grouped Unsigned32	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517 Note:	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Request TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Expiry TMGI-Number MB2U-Security The AVP codes from 3518 to 3599 are reserved for TS 29.468.	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517 Note: 3600	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Result TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Expiry TMGI-Number MB2U-Security The AVP codes from 3518 to 3599 are reserved for TS 29.468. Origin-App-Layer-User-Id	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517 Note: 3600 3601	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Request TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Expiry TMGI-Number MB2U-Security The AVP codes from 3518 to 3599 are reserved for TS 29.468. Origin-App-Layer-User-Id Target-App-Layer-User-Id	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517 Note: 3600 3601 3602	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Request TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Expiry TMGI-Number MB2U-Security The AVP codes from 3518 to 3599 are reserved for TS 29.468. Origin-App-Layer-User-Id Target-App-Layer-User-Id ProSe-Function-ID	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517 Note: 3600 3601 3602 3603	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Expiry TMGI-Number MB2U-Security The AVP codes from 3518 to 3599 are reserved for TS 29.468. Origin-App-Layer-User-Id Target-App-Layer-User-Id ProSe-Request-Type	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String UTF8String UTF8String Unsigned32	
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517 Note: 3600 3601 3602 3603 3604	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Request TMGI-Deallocation-Request TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Expiry TMGI-Number MB2U-Security The AVP codes from 3518 to 3599 are reserved for TS 29.468. Origin-App-Layer-User-Id Target-App-Layer-User-Id ProSe-Function-ID ProSe-Request-Type PDUID	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 OctetString Unsigned32 OctetString	29.468 [31]
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517 Note: 3600 3601 3602 3603 3604 3605	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Request TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Expiry TMGI-Number MB2U-Security The AVP codes from 3518 to 3599 are reserved for TS 29.468. Origin-App-Layer-User-Id Target-App-Layer-User-Id ProSe-Function-ID ProSe-Request-Type PDUID Application-Data	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String UTF8String UTF8String UTF8String UTF8String UTF8String UTF8String UTF8String	
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517 Note: 3600 3601 3602 3603 3604 3605 3606	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Result TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Expiry TMGI-Number MB2U-Security The AVP codes from 3518 to 3599 are reserved for TS 29.468. Origin-App-Layer-User-Id Target-App-Layer-User-Id ProSe-Function-ID ProSe-Request-Type PDUID Application-Data Allowed-Suffixes-Number	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String UTF8String UTF8String UTF8String Unsigned32 OctetString Unsigned32 UTF8String Unsigned32 OctetString Unsigned32	
3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517 Note: 3600 3601 3602 3603 3604 3605 3606 3607	MBMS-Bearer-Response MBMS-Bearer-Result MBMS-Start-Time Radio-Frequency TMGI-Allocation-Request TMGI-Allocation-Response TMGI-Allocation-Result TMGI-Deallocation-Request TMGI-Deallocation-Response TMGI-Deallocation-Response TMGI-Deallocation-Result TMGI-Deallocation-Result TMGI-Expiry TMGI-Number MB2U-Security The AVP codes from 3518 to 3599 are reserved for TS 29.468. Origin-App-Layer-User-Id Target-App-Layer-User-Id ProSe-Function-ID ProSe-Request-Type PDUID Application-Data	Grouped Unsigned32 Time Unsigned32 Grouped Grouped Unsigned32 Grouped Grouped Unsigned32 Grouped Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 Unsigned32 UTF8String UTF8String UTF8String UTF8String UTF8String UTF8String UTF8String UTF8String	

3609 Suffix-Code	OctetString	
3610 Suffix-Mask	OctetString	
3611 Banned-User-Target	Grouped	
3612 Metadata-Indicator	Unsigned32	
Note: The AVP codes from 3613 to 3699 are reserved for TS 29.343.	OffsignedS2	
3701 ProSe-Subscription-Data	Grouped	
3702 ProSe-Permission	Unsigned32	
3703 ProSe-Allowed-PLMN	Grouped	
3704 ProSe-Direct-Allowed	Unsigned32	
3705 UPR-Flags	Unsigned32	29.344 [33]
3706 PNR-Flags	Unsigned32	
3707 ProSe-Initial-Location-Information	Grouped	
3708 Authorized-Discovery-Range	Unsigned32	
Note: The AVP codes from 3709 to 3799 are reserved for TS 29.344.	5s.gs.s	
3800 Reserved		
3801 App-Layer-User-Id	UTF8String	
3802 Assistance-info	Grouped	
3803 Assistance-Info-Validity-Timer	Unsigned32	
3804 Discovery-Type	Unsigned32	j
3805 Filter-Id	OctetString	1
3806 MAC-Address	UTF8String	]
3807 Match-Report	Grouped	
3808 Operating-Channel	Unsigned32	
3809 P2P-Features	Unsigned32	
3810 ProSe-App-Code	UTF8String	
3811 ProSe-App-Id	UTF8String	
3812 ProSe-App-Mask	UTF8String	
3813 ProSe-Discovery-Filter	Grouped	
3814 PRR-Flags	Unsigned32	
3815 ProSe-Validity-Timer	Unsigned32	
3816 Requesting-EPUID	UTF8String	
3817 Targeted-EPUID	UTF8String	
3818 Time-Window	Unsigned32	
3819 WiFi-P2P-Assistance-Info	Grouped	
3820 WLAN-Assistance-Info	Grouped	
3821 WLAN-Link-Layer-Id	OctetString	
3822 WLAN-Link-Layer-Id-List	Grouped	
3823 Location-Update-Trigger	Grouped	
3824 Location-Update-Event-Type	Unsigned32	
3825 Change-Of-Area-Type	Grouped	29.345 [34]
3826 Location-Update-Event-Trigger	Unsigned32	
3827 Report-Cardinality	Enumerated	
3828 Minimum-Interval-Time	Unsigned32	
3829 Periodic-Location-Type	Grouped	
3830 Location-Report-Interval-Time	Unsigned32	
3831 Total-Number-Of-Reports	Unsigned32	
3832 Validity-Time-Announce	Unsigned32	
3833 Validity-Time-Monitor	Unsigned32	
3834 Validity-Time-Communication	Unsigned32	
3835 ProSe-App-Code-Info	Grouped	
3836 MIC	OctetString	-
3837 UTC-based-Counter	Unsigned32	-
3838 ProSe-Match-Refresh-Timer	Unsigned32	-
3839 ProSe-Metadata-Index-Mask	OctetString	-
3840 App-Identifier	Grouped	-
3841 OS-ID	OctetString	}
3842 OS-App-ID	UTF8String	-
3843 Requesting-RPAUID	UTF8String	}
3844 Target-RPAUID	UTF8String	}
3845 Target-PDUID 3846 ProSe-Restricted-Code	OctetString	}
	OctetString OctotString	-
3847 ProSe-Restricted-Code-Suffix-Range	OctetString OctotString	}
3848 Beginning-Suffix 3849 Ending-Suffix	OctetString OctetString	}
3849 Ending-Suffix 3850 Discovery-Entry-ID	Unsigned32	{
	Unsignedaz	İ

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3851 Match-Timestamp	Time	
3852 PMR-Flags	Unsigned32	
3853 ProSe-Application-Metadata	UTF8String	
3854 Discovery-Auth-Request	Grouped	
3855 Discovery-Auth-Response	Grouped	
3856 Match-Request	Grouped	
3857 Match-Report-Info	Grouped	
3858 Banned-RPAUID	UTF8String	
3859 Banned-PDUID	OctetString	
3860 Code-Receiving-Security-Material	Grouped	
3861 Code-Sending-Security-Material	Grouped	
3862 DUSK	OctetString	
3863 DUIK	OctetString	
3864 DUCK	OctetString	
3865 MIC-Check-indicator	Unsigned32	
3866 Encrypted-Bitmask	OctetString	
3867 ProSe-App-Code-Suffix-Range	OctetString	
Note: The AVP codes from 3868 to 3899 are reserved for TS 29.345.	Coloroning	
3900 Reserved		
3900 Reserved 3901 Enhanced-Diagnostics	Grouped	
3901 Ennanced-Diagnostics 3902 Inter-UE-Transfer	Enumerated	
3903 TWAG-Address	Address	
3904 Announcement-Information	Grouped	
3905 Announcement-Identifier	Unsigned32	
3906 Announcement-Order	Unsigned32	
3907 Variable-Part	Grouped	
3908 Variable-Part-Order	Unsigned32	
3909 Variable-Part-Type	Unsigned32	
3910 Variable-Part-Value	UTF8String	
3911 Time-Indicator	Unsigned32	
3912 Quota-Indicator	Enumerated	
3913 Play-Alternative	Enumerated	
3914 Language	UTF8String	
3915 Privacy-Indicator	Enumerated	
3916 Called-Identity	UTF8String	
3917 Called-Identity-Change	Grouped	
3918 UWAN-User-Location-Info	Grouped	
3919 Monitoring-Event-Configuration-Activity	Integer32	20 200 [5]
3920 Monitoring-Event-Report-Data	Grouped	32.299 [5]
3921 Monitoring-Event-Information	Grouped	
3922 Monitoring-Event-Functionality	Integer32	
3923 Monitoring-Event-Report-Number	Unsigned32	
3924 Cellular-Network-Information	OctetString	
3925 Related-Change-Condition-Information	Grouped	
3926 Related-Trigger	Grouped	
3927 CPDT-Information	Grouped	
3928 NIDD-Submission	Grouped	
3929 Serving-Node-Identity	DiameterIdentity	
3930 CP-CIoT-EPS-Optimisation-Indicator	Enumerated	
3931 SGi-PtP-Tunnelling-Method	Enumerated	
3932 UNI-PDU-CP-Only-Flag	Enumerated	
3933 APN-Rate-Control	Grouped	
3934 APN-Rate-Control-Downlink	Grouped	
3935 APN-Rate-Control-Downlink	Grouped	
3936 Additional-Exception-Reports	Enumerated	
3937 Rate-Control-Max-Message-Size	Unsigned32	
3938 Rate-Control-Max-Rate	Unsigned32	
3939 Rate-Control-Max-Rate 3939 Rate-Control-Time-Unit	Unsigned32 Unsigned32	
Note: The AVP codes from 3940 to 3999 are reserved for TS 32.299.	Unsignedaz	
	Craunad	
4000 Aggregated-Congestion-Info	Grouped	
4001 Aggregated-RUCI-Report	Grouped	
4002 Congestion-Level-Definition	Grouped	29.217 [35]
4003 Congestion-Level-Range	Unsigned32	,
4004 Congestion-Level-Set-Id	Unsigned32	
4005   Congestion-Level-Value	Unsigned32	

4006 Congestion-Location-Id	Grouped	
4007 Conditional-Restriction	Unsigned32	
4008 eNodeB-Id	OctetString	1
4009 IMSI-List	OctetString	-
4010 RCAF-Id	DiameterIdentity	1
4011 Reporting-Restriction	Unsigned32	1
4012 RUCI-Action	Unsigned32	
Note: The AVP codes from 4013 to 4099 are reserved for TS 29.217.	5o.go.uo_	
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.		l .
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	j
4208 Transfer-Policy-Id	Unsigned32	
4209 Number-Of-UEs	Unsigned32	1
Note: The AVP codes from 4210 to 4299 are reserved for TS 29.154.	Sheighedez	
4300 Communication-Failure-Information	Grouped	
4301 Cause-Type	Unsigned32	1
4302 S1AP-Cause	Unsigned32	1
4303 RANAP-Cause	Unsigned32	-
4304 GMM-Cause	Unsigned32	1
4305 SM-Cause	Unsigned32	-
4306 Number-of-UE-Per-Location-Configuration	Grouped	-
4307 Number-of-UE-Per-Location-Report	Grouped	
4308 UE-Count	Unsigned32	
4309 BSSGP-Cause	Unsigned32	
4310 Serving-PLMN-Rate-Control	Grouped	29.128 [36]
4311 Uplink-Rate-Limit	Unsigned32	
4312 Downlink-Rate-Limit	Unsigned32	
4313 Extended-PCO	OctetString	
4314 Connection-Action	Unsigned32	
4315 Non-IP-Data	OctetString	
4316 SCEF-Wait-Time	Time	
4317 CMR-Flags	Unsigned32	
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.	-	
4500 MCPTT-ID	UTF8String	
4501 Data-Identification	Grouped	1
4502 Data-Identification-Prefix	Unsigned32	1
4503 Data-Identification-Flags	Unsigned64	1
4504 DPR-Flags	Unsigned32	1
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 MCPTT-User-Profile-Data	Grouped	]
4512 Sequence-Number	Unsigned32	]
Note: The AVP codes from 4514 to 4599 are reserved for TS 29.283.		<u> </u>

## 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.

**Experimental** Result text Specified in the TS **Result Code** DIAMETER\_FIRST\_REGISTRATION 2001 2002 DIAMETER\_SUBSEQUENT\_REGISTRATION DIAMETER\_UNREGISTERED\_SERVICE 2003 29.229 [2] 2004 DIAMETER\_SUCCESS\_SERVER\_NAME\_NOT\_STORED 2005 Deprecated value Note: The Experimental Result Codes from 2006 to 2020 are reserved for the TS 29.229 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 Experimental Result Codes from 2401 to 2420 are reserved for the TS 29.109

Table 8.1.2: 3GPP specific Success result codes

#### 8.1.3 Transient Failures

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

Table 8.1.3: 3GPP specific Transient Failure result codes

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

#### 8.1.4 Permanent Failures

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

Table 8.1.4: 3GPP specific Permanent Failure result codes

Experimental Result Code	Result text	Specified in the TS
5001	DIAMETER_ERROR_USER_UNKNOWN	
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	_00 [_]
5009	DIAMETER ERROR NOT SUPPORTED USER DATA	
5010	unassigned	
5011	DIAMETER ERROR FEATURE UNSUPPORTED	
5012	DIAMETER ERROR SERVING NODE FEATURE UNSUPP	
3012	ORTED	
Note: The Expe	erimental Result Codes from 5013 to 5020 are reserved for the TS	S 29.229. 32.299 [5]
Note: The Expe	erimental Result Codes from 5021 to 5040 are reserved for the TS	
5041	DIAMETER_ERROR_USER_NO_WLAN_SUBSCRIPTION	
5042	DIAMETER_ERROR_W-APN_UNUSED_BY_USER	
5042	DIAMETER_ERROR_NO_ACCESS_INDEPENDENT_SUBSC	
	RIPTION	29.234 [6]
5044	DIAMETER_ERROR_USER_NO_W-APN_SUBSCRIPTION	
5045	DIAMETER_ERROR_UNSUITABLE_NETWORK	2.00.004
	erimental Result Codes from 5046 to 5060 are reserved for the TS	o 29.23 <del>4</del> .
5061	INVALID_SERVICE_INFORMATION	
5062	FILTER_RESTRICTIONS	
5063	REQUESTED_SERVICE_NOT_AUTHORIZED	29.209 [8],
5064	DUPLICATED_AF_SESSION	29.211 [17] ,
5065	IP-CAN_SESSION_NOT_AVAILABLE	29.214 [18]
5066	UNAUTHORIZED_NON_EMERGENCY_SESSION	23.214[10]
5067	UNAUTHORIZED_SPONSORED_DATA_CONNECTIVITY	
5068	TEMPORARY_NETWORK_FAILURE	
	erimental Result Codes from 5069 to 5080 are reserved for TS 29 TS 29.214.	.209, TS 29.211
5100	DIAMETER_ERROR_USER_DATA_NOT_RECOGNIZED	
5101	DIAMETER_ERROR_OPERATION_NOT_ALLOWED	
5102	DIAMETER_ERROR_USER_DATA_CANNOT_BE_READ	
5103	DIAMETER ERROR USER DATA CANNOT BE MODIFIED	
5104	DIAMETER_ERROR_USER_DATA_CANNOT_BE_NOTIFIED	
5105	DIAMETER_ERROR_TRANSPARENT_DATA OUT_OF_SYNC	29.329 [4]
5106	DIAMETER_ERROR_SUBS_DATA_ABSENT	
5107		
	DIAMETER ERROR NO STRSCRIPTION TO DATA	
	DIAMETER_ERROR_NO_SUBSCRIPTION_TO_DATA	
5108	DIAMETER_ERROR_DSAI_NOT_AVAILABLE	3 20 320
5108 Note: The Expe	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS	S 29.329.
5108 Note: The Expe 5120	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION	S 29.329.
5108 Note: The Expe	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC	29.061 [13]
5108 Note: The Expe 5120 5121 5122	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E	
5108 Note: The Expe 5120 5121 5122 5123	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA	29.061 [13]
5108 Note: The Expe 5120 5121 5122 5123 Note: The Expe	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS	29.061 [13]
5108 Note: The Expe 5120 5121 5122 5123 Note: The Expe 5140	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS DIAMETER_ERROR_INITIAL_PARAMETERS	29.061 [13]
5108 Note: The Experiments 5120 5121 5122  5123 Note: The Experiments 5140 5141	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS DIAMETER_ERROR_INITIAL_PARAMETERS DIAMETER_ERROR_TRIGGER_EVENT	29.061 [13]
5108 Note: The Experiments 5120 5121 5122  5123 Note: The Experiments 5140 5141 5142	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS DIAMETER_ERROR_INITIAL_PARAMETERS DIAMETER_ERROR_TRIGGER_EVENT DIAMETER_PCC_RULE_EVENT	29.061 [13]
5108 Note: The Experiments 5120 5121 5122  5123 Note: The Experiments 5140 5141 5142 5143	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS DIAMETER_ERROR_INITIAL_PARAMETERS DIAMETER_ERROR_TRIGGER_EVENT DIAMETER_PCC_RULE_EVENT DIAMETER_ERROR_BEARER_NOT_AUTHORIZED	29.061 [13]
5108 Note: The Experiments 5120 5121 5122  5123 Note: The Experiments 5140 5141 5142	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS DIAMETER_ERROR_INITIAL_PARAMETERS DIAMETER_ERROR_TRIGGER_EVENT DIAMETER_PCC_RULE_EVENT	29.061 [13]
5108 Note: The Experiments 5120 5121 5122 5123 Note: The Experiments 5140 5141 5142 5143 5144	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS DIAMETER_ERROR_INITIAL_PARAMETERS DIAMETER_ERROR_TRIGGER_EVENT DIAMETER_PCC_RULE_EVENT DIAMETER_ERROR_BEARER_NOT_AUTHORIZED DIAMETER_ERROR_TRAFFIC_MAPPING_INFO_REJECTE D	29.061 [13] S 29.061.
5108 Note: The Experiments 5120 5121 5122 5123 Note: The Experiments 5140 5141 5142 5143 5144	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS DIAMETER_ERROR_INITIAL_PARAMETERS DIAMETER_ERROR_TRIGGER_EVENT DIAMETER_PCC_RULE_EVENT DIAMETER_ERROR_BEARER_NOT_AUTHORIZED DIAMETER_ERROR_TRAFFIC_MAPPING_INFO_REJECTE D DIAMETER_QOS_RULE_EVENT	29.061 [13] S 29.061.
5108 Note: The Experiments 5120 5121 5122 5123 Note: The Experiments 5140 5141 5142 5143 5144 5145 5146	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS DIAMETER_ERROR_INITIAL_PARAMETERS DIAMETER_ERROR_TRIGGER_EVENT DIAMETER_PCC_RULE_EVENT DIAMETER_ERROR_BEARER_NOT_AUTHORIZED DIAMETER_ERROR_TRAFFIC_MAPPING_INFO_REJECTE D DIAMETER_QOS_RULE_EVENT reserved	29.061 [13] S 29.061.
5108 Note: The Experiments 5120 5121 5122 5123 Note: The Experiments 5140 5141 5142 5143 5144 5145 5146 5147	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS DIAMETER_ERROR_INITIAL_PARAMETERS DIAMETER_ERROR_TRIGGER_EVENT DIAMETER_ERROR_BEARER_NOT_AUTHORIZED DIAMETER_ERROR_TRAFFIC_MAPPING_INFO_REJECTE D DIAMETER_QOS_RULE_EVENT reserved DIAMETER_ERROR_CONFLICTING_REQUEST	29.061 [13] S 29.061.
5108 Note: The Experiments 5120 5121 5122 5123 Note: The Experiments 5140 5141 5142 5143 5144 5145 5146	DIAMETER_ERROR_DSAI_NOT_AVAILABLE erimental Result Codes from 5109 to 5119 are reserved for the TS DIAMETER_ERROR_START_INDICATION DIAMETER_ERROR_STOP_INDICATION DIAMETER_ERROR_UNKNOWN_MBMS_BEARER_SERVIC E DIAMETER_ERROR_SERVICE_AREA erimental Result Codes from 5124 to 5139 are reserved for the TS DIAMETER_ERROR_INITIAL_PARAMETERS DIAMETER_ERROR_TRIGGER_EVENT DIAMETER_PCC_RULE_EVENT DIAMETER_ERROR_BEARER_NOT_AUTHORIZED DIAMETER_ERROR_TRAFFIC_MAPPING_INFO_REJECTE D DIAMETER_QOS_RULE_EVENT reserved	29.061 [13] S 29.061.

5401	DIAMETER_ERROR_IMPI_UNKNOWN	
5402	DIAMETER_ERROR_NOT_AUTHORIZED	29.109 [7
5403	DIAMETER_ERROR_TRANSACTION_IDENTIFIER_INVALID	
Note: The Exp	perimental Result Codes from 5404 to 5419 are reserved for the TS	S 29.109.
5420	DIAMETER ERROR UNKNOWN EPS SUBSCRIPTION	
5421	DIAMETER_ERROR_RAT_NOT_ALLOWED	29.272 [21]
5422	DIAMETER_ERROR_EQUIPMENT_UNKNOWN	
5423	DIAMETER_ERROR_UNKNOWN_SERVING_NODE	
	perimental Result Codes from 5424 to 5449 are reserved for the TS	S 29 272
5450	DIAMETER_ERROR_USER_NO_NON_3GPP_SUBSCRIPTI	20.212.
0.00	ON	
5451	DIAMETER_ERROR_USER_NO_APN_SUBSCRIPTION	
5452	DIAMETER ERROR RAT TYPE NOT ALLOWED	29.273 [20]
5453	DIAMETER_ERROR_LATE_OVERLAPPING_REQUEST	
5454	DIAMETER_ERROR_TIMED_OUT_REQUEST	2.00.070
	perimental Result Codes from 5455 to 5469 are reserved for the TS	5 29.273.
5470	DIAMETER_ERROR_SUBSESSION	00 045 [00]
5471	DIAMETER_ERROR_ONGOING_SESSION_ESTABLISHME	29.215 [22]
	NT	
	perimental Result Codes from 5472 to 5489 are reserved for the TS	S 29.215.
5490	DIAMETER_ERROR_UNAUTHORIZED_REQUESTING_NET	29.173 [25]
	WORK	
	perimental Result Codes from 5491 to 5509 are reserved for the TS	S 29.173.
5510	DIAMETER_ERROR_UNAUTHORIZED_REQUESTING_ENTI	
	TY	
5511	DIAMETER_ERROR_UNAUTHORIZED_SERVICE	
5512	DIAMETER_ERROR_REQUESTED_RANGE_IS_NOT	
	ALLOWED	1001 200 00
5513	DIAMETER_ERROR_CONFIGURATION_EVENT_STORAGE	29.336 [28]
	_NOT_SUCCESSFUL	
5514	DIAMETER_ERROR_CONFIGURATION_EVENT_NON_EXIS	
	TANT	
5515	DIAMETER_ERROR_SCEF_REFERENCE_ID_UNKNOWN	
00.0		
Note: The Exp		5 29 336
	perimental Result Codes from 5516 to 5529 are reserved for the TS	S 29.336.
5530	perimental Result Codes from 5516 to 5529 are reserved for the TS DIAMETER_ERROR_INVALID_SME_ADDRESS	S 29.336.
5530 5531	perimental Result Codes from 5516 to 5529 are reserved for the TS DIAMETER_ERROR_INVALID_SME_ADDRESS DIAMETER_ERROR_SC_CONGESTION	S 29.336.
5530 5531 5532	perimental Result Codes from 5516 to 5529 are reserved for the TS DIAMETER_ERROR_INVALID_SME_ADDRESS DIAMETER_ERROR_SC_CONGESTION DIAMETER_ERROR_SM_PROTOCOL	S 29.336. 29.337 [29]
5530 5531 5532 5533	DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE	
5530 5531 5532 5533 5534	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE	
5530 5531 5532 5533 5534 5535	DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_TRIGGER_REPLACE_NOT_PENDING	29.337 [29]
5530 5531 5532 5533 5534 5535 Note: The Exp	DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING perimental Result Codes from 5536 to 5549 are reserved for the Total	29.337 [29]
5530 5531 5532 5533 5534 5535 Note: The Exp	DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_SC_CONGESTION DIAMETER_ERROR_SM_PROTOCOL DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_ABSENT_USER	29.337 [29]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551	DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_ABSENT_USER DIAMETER_ERROR_ABSENT_USER DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS	29.337 [29]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551	DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_ABSENT_USER DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS DIAMETER_ERROR_FACILITY_NOT_SUPPORTED	29.337 [29]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553	DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_ABSENT_USER DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS DIAMETER_ERROR_FACILITY_NOT_SUPPORTED DIAMETER_ERROR_ILLEGAL_USER	29.337 [29] S 29.337.
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554	DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_ABSENT_USER DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS DIAMETER_ERROR_FACILITY_NOT_SUPPORTED DIAMETER_ERROR_ILLEGAL_EQUIPMENT	29.337 [29]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555	DIAMETER_ERROR_NORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_SM_PROTOCOL DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE DIAMETER_ERROR_TRIGGER_RECALL_FAILURE DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_ABSENT_USER DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS DIAMETER_ERROR_FACILITY_NOT_SUPPORTED DIAMETER_ERROR_ILLEGAL_USER DIAMETER_ERROR_ILLEGAL_EQUIPMENT DIAMETER_ERROR_SM_DELIVERY_FAILURE	29.337 [29] S 29.337.
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554	DIAMETER_ERROR_NOT_SUBSCRIBED  DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_FACILITY_NOT_SUPPORTED  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SM_DELIVERY_FAILURE	29.337 [29] S 29.337.
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555	DIAMETER_ERROR_NOT_SUBSCRIBED  DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_FACILITY_NOT_SUPPORTED  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED	29.337 [29] S 29.337.
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556	DIAMETER_ERROR_NOT_SUBSCRIBED  DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_FACILITY_NOT_SUPPORTED  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SM_DELIVERY_FAILURE	29.337 [29] S 29.337.
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558	DIAMETER_ERROR_NOT_SUBSCRIBED  DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_FACILITY_NOT_SUPPORTED  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED	29.337 [29] S 29.337. 29.338 [30]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558	DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING DIAMETER_ERROR_ABSENT_USER DIAMETER_ERROR_ABSENT_USER DIAMETER_ERROR_FACILITY_NOT_SUPPORTED DIAMETER_ERROR_ILLEGAL_EQUIPMENT DIAMETER_ERROR_ILLEGAL_EQUIPMENT DIAMETER_ERROR_SERVICE_BARRED DIAMETER_ERROR_SERVICE_BARRED DIAMETER_ERROR_SERVICE_BARRED DIAMETER_ERROR_SERVICE_BARRED DIAMETER_ERROR_MWD_LIST_FULL	29.337 [29] S 29.337. 29.338 [30]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558 Note: The Exp	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_BUSY_FOR_MT_SMS  DIAMETER_ERROR_FACILITY_NOT_SUPPORTED  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_MWD_LIST_FULL  DIEMETER_ERROR_MWD_LIST_FULL  DETERMENT OF THE TENT OF THE T	29.337 [29] S 29.337. 29.338 [30] S 29.338. 29.219 [26]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5556 5557 5558 Note: The Exp	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DEXPERIMENTALINES  DIAMETER_ERROR_INDEX  DEXPERIMENTALINES  DEXP	29.337 [29] S 29.337. 29.338 [30] S 29.338. 29.219 [26]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558 Note: The Exp 570 Note: The Exp	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_ISSER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ISSER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DESCRIPTION OF THE TOTAL OR T	29.337 [29] S 29.337. 29.338 [30] S 29.338. 29.219 [26]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5556 5557 5558 Note: The Exp 570 Note: The Exp 5570 Note: The Exp	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_ISSER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ISSER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DESTRUCTED SERVICE SER SERVIC	29.337 [29] S 29.337. 29.338 [30] S 29.338. 29.219 [26]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5566 5557 5558 Note: The Exp 570 Note: The Exp 5570 Note: The Exp	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_ISSER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DESTRUCTED SERVICE SER SERVIC	29.337 [29] S 29.337. 29.338 [30] S 29.338. 29.219 [26]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558 Note: The Exp 570 Note: The Exp 5570 Note: The Exp 5590 5591 5592 5593	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_ISSER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DESCRIPTION OF THE PROOF	29.337 [29] S 29.337. 29.338 [30] S 29.338. 29.219 [26]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5566 5557 5558 Note: The Exp 570 Note: The Exp 5570 Note: The Exp	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_BUSER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIEMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DESCRIPTION OF THE TOTAL OF THE TOTAL OR THE TOTAL	29.337 [29] S 29.337. 29.338 [30] S 29.338. 29.219 [26]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558 Note: The Exp 570 Note: The Exp 5570 Note: The 5590 5591 5592 5593	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DIAMETER_ERROR_ORIGIN_ALUID_UNKNOWN  DIAMETER_ERROR_TARGET_ALUID_UNKNOWN  DIAMETER_ERROR_PFID_UNKNOWN  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE	29.337 [29] S 29.337.  29.338 [30] S 29.338.  29.219 [26] he TS 29.219.
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558 Note: The Exp 5570 Note: The Exp 5570 Note: The 5590 5591 5592 5593 5594	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  EXPERIMENTAL RESURE OF TAILURE ON THE TOP TO STANDARD OF THE TO	29.337 [29] S 29.337. 29.338 [30] S 29.338. 29.219 [26]
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558 Note: The Exp 5570 Note: The Exp 5570 Source: The Exp 5590 5591 5592 5593 5594	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_USER_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SSERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DESCRIPTION OF STANDARD	29.337 [29] S 29.337.  29.338 [30] S 29.338.  29.219 [26] he TS 29.219.
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558 Note: The Exp 5570 Note: The Exp 5570 Note: The 5590 5591 5592 5593 5594	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SSRVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MUD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DIAMETER_ERROR_ORIGIN_ALUID_UNKNOWN  DIAMETER_ERROR_ORIGIN_ALUID_UNKNOWN  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE  DIAMETER_ERROR_PROSE_REQUEST_REJECT  DIAMETER_ERROR_REQUESTING_RPAUID_UNKNOWN  DIAMETER_ERROR_REQUEST_REJECT  DIAMETER_ERROR_REQUEST_REJECT  DIAMETER_ERROR_REQUEST_NOR_INVALID_TARGET_S	29.337 [29] S 29.337.  29.338 [30] S 29.338.  29.219 [26] he TS 29.219.
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558 Note: The Exp 5570 Note: The Exp 5570 S590 5591 5592 5593 5594	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DESEXPERIMENTAL RESIDED COUNTERS  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE  DIAMETER_ERROR_REQUESTING_RPAUID_UNKNOWN  DIAMETER_ERROR_UNKNOWN_OR_INVALID_TARGET_S  ET	29.337 [29] S 29.337.  29.338 [30] S 29.338.  29.219 [26] he TS 29.219.
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558 Note: The Exp 5570 Note: The Exp 5570 S590 5591 5592 5593 5594 5595 5596 5597	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_EQUIPMENT  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  EXPERIMENTAL RESIDER OR SERVICE ON TOUR SON TOUR	29.337 [29] S 29.337.  29.338 [30] S 29.338.  29.219 [26] he TS 29.219.
5530 5531 5532 5533 5534 5535 Note: The Exp 5550 5551 5552 5553 5554 5555 5556 5557 5558 Note: The Exp 5570 Note: The Exp 5570 S590 5591 5592 5593 5594	DIAMETER_ERROR_INVALID_SME_ADDRESS  DIAMETER_ERROR_SC_CONGESTION  DIAMETER_ERROR_SM_PROTOCOL  DIAMETER_ERROR_TRIGGER_REPLACE_FAILURE  DIAMETER_ERROR_TRIGGER_RECALL_FAILURE  DIAMETER_ERROR_ORIGINAL_MESSAGE_NOT_PENDING  DIAMETER_ERROR_ABSENT_USER  DIAMETER_ERROR_BUSY_FOR_MT_SMS  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_ILLEGAL_USER  DIAMETER_ERROR_SM_DELIVERY_FAILURE  DIAMETER_ERROR_SERVICE_NOT_SUBSCRIBED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_SERVICE_BARRED  DIAMETER_ERROR_MWD_LIST_FULL  DIAMETER_ERROR_UNKNOWN_POLICY_COUNTERS  DESEXPERIMENTAL RESIDED COUNTERS  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE  DIAMETER_ERROR_PROSE_MAP_REQUEST_DISALLOWE  DIAMETER_ERROR_REQUESTING_RPAUID_UNKNOWN  DIAMETER_ERROR_UNKNOWN_OR_INVALID_TARGET_S  ET	29.337 [29] S 29.337. 29.338 [30] S 29.338. 29.219 [26] he TS 29.219.

5601	DIAMETER_ERROR_TARGET_RPAUID_UNKNOWN					
5602	DIAMETER_ERROR_INVALID_APPLICATION_DATA					
Note: The Expe	erimental Result Codes from 5603 to 5609 are reserved for the TS	S 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						
	ER					
5631	DIAMETER_ERROR_ANNOUNCING_UNAUTHORIZED_IN_P					
5632	DIAMETER ERROR INVALID APPLICATION CODE					
5633	DIAMETER ERROR PROXIMITY UNAUTHORIZED					
5634	DIAMETER ERROR PROXIMITY REJECTED					
5635	DIAMETER ERROR NO PROXIMITY REQUEST					
5636	DIAMETER_ERROR_UNAUTHORIZED_SERVICE_IN_THIS_	29.345 [34]				
3000	PLMN					
5637	DIAMETER_ERROR_PROXIMITY_CANCELLED					
5638	DIAMETER_ERROR_INVALID_TARGET_PDUID					
5639	DIAMETER_ERROR_INVALID_TARGET_RPAUID					
5640	DIAMETER_ERROR_NO_ASSOCIATED_RESTRICTED_CO					
5641	DIAMETER ERROR INVALID DISCOVERY TYPE					
Note: The Expe	erimental Result Codes from 5642 to 5649 are reserved for the TS	S 29.345.				
5650	DIAMETER_ERROR_REQUESTED_LOCATION_NOT_SERV					
5651	DIAMETER_ERROR_INVALID_EPS_BEARER					
5652	DIAMETER ERROR NIDD CONFIGURATION NOT AVAILA	29.128 [36]				
	BLE					
5653	DIAMETER_ERROR_USER_TEMPORARILY_UNREACHABL					
Nata The Com	E	2.00.400				
	erimental Result Codes from 5654 to 5669 are reserved for the TS	5 Z9.128.				
5670	DIAMETER_ERROR_UNKNOWN_DATA	29.283 [39]				
5671	DIAMETER_ERROR_REQUIRED_KEY_NOT_PROVIDED					
Note: The Expe	erimental Result Codes from 5672 to 5689 are reserved for the TS	5 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

Data	TCC "	TCO De -	CC	D	Change history	Old	Name
Date	TSG #	TSG Doc.	CR	Kev	Subject/Comment	Old	New
2004-06	CN#24	NP-040292	001		Version 2.0.0 presented for information and approval	2.0.0	6.0.0
2004-09	CN#25	NP-040401		-	Correction of Charging application reference	6.0.0	6.1.0
2004-09	CN#25	NP-040401			Correction of the Application-Id code	6.0.0	6.1.0
2004-09	CN#25	NP-040401			Removal of User Data Request Type AVP	6.0.0	6.1.0
2004-09	CN#25	NP-040412		1	Re-numbering of 3GPP specific AVP codes.	6.0.0	6.1.0
2004-12	CN#26	NP-040579			Inclusion of missing Cx AVPs	6.1.0	6.2.0
2004-12	CN#26	NP-040580		1	Reservation of command code 310	6.1.0	6.2.0
2004-12	CN#26	NP-040579		1	Addition of Gmb interface	6.1.0	6.2.0
2004-12	CN#26	NP-040600		2	Documenting the Reuse of the 3GPP specific application identifier of Ro for Re on the Charging Interfaces	6.1.0	6.2.0
2004-12	CN#26	NP-040579			Gq interface allocations	6.1.0	6.2.0
2004-12	CN#26	NP-040579			Addition of Gx interface	6.1.0	6.2.0
2005-03	CN#27	NP-050047		1	WLAN Diameter AVP and result codes	6.2.0	6.3.0
		NP-050039			Allocations for Gx interface	ļ	
		NP-050039			Allocations for Gmb interface	Ţ	
		NP-050039			Allocations for MMS, MM10 Interface		
2005-06	CT#28	CP-050088			Gx interface allocation correction	6.3.0	6.4.0
		CP-050196		1	Addition of Maximum-Number-Accesses AVP		
2005-09	CT#29	CP-050440		1	Private identities on the Cx	6.4.0	6.5.0
		CP-050310			Addition of Pr reference point to TS 29.230	<u> </u>	
		CP-050310			Error code cleanup		
		CP-050310	0056		Addition of Rx ref. point and renaming of Experimental Result Codes		
2005-09	CT#29	CP-050317	0055		Addition of GUSS timestamp AVP	6.5.0	7.0.0
2005-12	CT#30	CP-050624			Addition of GBA-Type AVP	7.0.0	7.1.0
	000	CP-050612			Additional Gmb AVP Allocation	1	
		CP-050612			Reservation of AVP codes for 32.299	1	
		CP-050625			Management of Sh subscriptions	1	
2006-03	CT#31	CP-060073			Adding data type of some of WLAN-related AVPs	7.1.0	7.2.0
2000 00	01//01	CP-060084			User-Data in the response to Sh-Subs-Notif	1,	7.2.0
		CP-060084		1	New error indications for the Sh-Subs-Notif procedure	-	
2006-06	CT#32	CP-060302		<u> </u>	S-CSCF reselection removal	7.2.0	7.3.0
2006-09	CT#32	CP-060417		3	New AVP Code	7.3.0	7.4.0
2000 03	01#33	CP-060417		0	Errors to be sent in response to Sh-Notif	7.5.0	7.4.0
		CP-060417			Definition of specific Diameter codes for DSAI	1	
2006-12	CT#34	CP-060566		1	Optimization of handling of Wildcarded PSIs	7.4.0	7.5.0
2000-12	01#34	CP-060562		'	Addition of Diameter Error Code for Emergency Purposes	7.4.0	7.5.0
		CP-060555			Allocation of new AVP codes for Gmb	1	
		CP-060555			AVP code allocations for Rf and Ro interfaces	{	
		CP-060566			Allocation of Success Result Code Range for Gi Interface	1	
2007-03	CT#35	CP-070020			C3 requested addition of new AVP code values to 3GPP TS 29.230	750	7.6.0
2007-03	C1#35	CP-070020				7.5.0	7.6.0
				-	Allocation of new AVP code for DSAI-Tag AVP	-	
2007.00	CT#26	CP-070020			Allocation of Experimental-Result-Code AVP for Gi Interface	7.6.0	7.7.0
2007-06	CT#36	CP-070318		<del>                                     </del>	Diameter application ID for the Rel-7 Rx interface	7.0.0	1.7.0
		CP-070312	0098	1	Experimental-Result-Codes for Gmb interface	1	
2007.00	OT#07	CP-070312		<u> </u>	Correction of Diameter AVP code allocation	77^	700
2007-09	CT#37	CP-070527		<u> </u>	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 Codes for Gx protocol	<u>L</u>	
2007-12	CT#38	CP-070755	0101	4	AVP assignments to support SIP Digest Authentication	7.9.0	8.0.0
			0103		AVP code reservation for 32.299 in Rel-8		<u> </u>
2008-03	CT#39	CP-080015			Correction of reference to TS 29.140	8.0.0	8.1.0
		CP-080019	0111		AVP code reservation for TS 32.299 in Rel-8		
		CP-080019	0107		Wildcarded Public User Identities	1	
		CP-080191		1	Correction on AVP code allocation reservation for TS 32.299 in Rel-7		
		1		4	Correction on AVP code allocation reservation for TS 32.299	1	
		CP-080204	1()117				1
2008-06	CT#40	CP-080204		1		810	820
2008-06	CT#40	CP-080267	0117	1	A new Diameter Permanent Failure Code for Gx	8.1.0	8.2.0
2008-09	CT#41	CP-080267 CP-080456	0117 0119	1	A new Diameter Permanent Failure Code for Gx Emergency Public User Identity Removal	8.1.0 8.2.0	8.2.0 8.3.0
		CP-080267	0117 0119 0121	1	A new Diameter Permanent Failure Code for Gx		

2008-09	CT#41	CP-080463			Assignment)  New AVP Code Assignment for Forking Service Restoration	8.2.0	8.3.0
2008-12	CT#42	CP-080691			Diameter Protocol Codes Assignments for S6a/S6d/S13	8.3.0	8.4.0
2008-12	CT#42	CP-080691	0128	1	Diameter code assignments for 3GPP TS 29.273	8.3.0	8.4.0
2009-03	CT#43	CP-090044	0130	1	Update for ReadyForSM	8.4.0	8.5.0
2009-03	CT#43	CP-090044	0131	1	Handling LCS Subscription Data	8.4.0	8.5.0
2009-03	CT#43	CP-090026	0132		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			Diameter AVP Code allocation	8.4.0	8.5.0
2009-03	CT#43	CP-090024		1	Location of Permanent Failure result code range for the S9 application	8.4.0	8.5.0
2009-03	CT#43	CP-090024	0141		AVPs for TS 29.273	8.4.0	8.5.0
2009-03	CT#43	CP-090024		1	Error code allocation for authentication failure	8.4.0	8.5.0
2009-06	CT#44	CP-090299			Update of the AVP Codes	8.5.0	8.6.0
-000 00	0	CP-090299			AVP code reservation for TS 32.299	10.0.0	0.0.
		CP-090299			Diameter Command Codes for S6a/S6d/S13/S13"	†	
		01 030233	0146		Removal of Requesting Node Type from AIR	┪	
		CP-090299			S6b Application ID	┪	
2000 00	CT#4E	CP-090299				0.6.0	0.7/
2009-09	CT#45			<del>                                     </del>	Allocation of Experimental-Result-Codes for S9 protocol AVP code allocation for TS 29.212	8.6.0	8.7.0
		CP-090530		-		4	
		CP-090531		<b> </b>	Update of the AVP type for the User-Id	-	
2002.55	OT# 4=	CP-090531		ļ	Trace Depth per session	070	0 ^
2009-09	CT#45	CP-090557		_	AVP code range for charging	8.7.0	9.0.
2009-12	CT#46	CP-090800	-	1	ICS-Flag	9.0.0	9.1.
		CP-091032			From GMLC-Address to GMLC-Number	4	
			0160		Session-Priority AVP		
			0163	2	Introduction of SLh application related AVPs and Experimental		
					Result codes		
			0166		Missing AVP error codes		
		CP-090797	0167	1	Introduction of SLg application related AVPs and Application		
	0=	05 (000)			Identifier		
2010-03	CT#47	CP-100031			Wildcarded Public Identity	9.1.0	9.2.
		CP-100034	0168	1	Correction on AVP code allocation reservation for TS 32.299 in		
		00 100010			Rel-9		
		CP-100046		1	AVP code allocation for 29.172		
		CP-100036			GPL_U support in TS 29.109		ļ
		CP-100046			Error codes in 29.172 for SLg		ļ
		CP-100048		1	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		ļ
		CP-100175	0182		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.
			0183		EPS state and location retrieval		ļ
		CP-100287			SGmb Application ID		ļ
	1	CP-100277			New APVs in S6a protocol		<u> </u>
2010-09	CT#49	CP-100463	0197	1	Addition of Diameter codes and identifiers for the SLg and SLh	9.3.0	9.4.
					interfaces		
		CP-100464			AVP Codes Allocation for PCC		
2010-09	CT#49	CP-100465			SIPTO Permission Indicator	9.4.0	10.0
		CP-100466			Location data including only serving node address		
		CP-100466		1	AVP for Update-Eff feature		
2010-12	CT#50	CP-100699			Enhanced SRVCC Subscriber Data	10.0.0	10.1
		CP-100687	0201		Allocate codes for AVPs on eMPS		
		CP-100683	0200	1	Allocate codes for AVPs on LIPA		
		CP-100688	0206	1	Periodic TAU/RAU timer in HSS subscription		
	1	CP-100846		1	S6a Error Diagnostic		
2011-03	CT#51	CP-110051	0212		PDP-Address correction	10.1.0	10.2
		CP-110054			Essential correction on the value type of the ELP Application AVPs		
		CP-110087			Minimization of Drive Tests (MDT)		
		CP-110088			Relay Node Indicator AVPs		
2011-06	CT#52	CP-110349			Handling of RTR for Emergency Registration	10.2.0	10.3
		CP-110347			Add AVPs from QSPEC cleanup		
	İ	CP-110359			MIPv4 security parameters on the STa and S6b interfaces	Ī	İ
		CP-110380			MDT user consent	1	İ
		CP-110370			AVP Code Allocation for Pre-paging	1	
		CP-110375			PUR-Flags AVP	1	
2011-00	CT#53	CP-110559			AVP code alignment with 29.212	10.3.0	10.4
2011-09					AVP code alignment with 32.299	1	-
2011-09		CP-110555	0239		TAVE COUE ANUTHTEN WILL 32.233		
2011-09		CP-110555 CP-110554			AVP code alignment with 29.214		

	1	CP-110555	0252		Failure code and AVP code alignment with 29.212	7	[
		CP-110722		2	Priviledged sender		
2011-09	CT#53	CP-110584		1	Add vSRVCC updates to the Diameter AVP code table	10.4.0	11.0.0
		CP-110579 CP-110555			AVP code alignment with 32.299 AVP code reservation for 29.212		
2011-12	CT#54	CP-110333		1	SWx Restoration AVPs	11.0.0	11.1.0
		CP-110812			Sy and Sd Application IDs		
		CP-110775			New AVP codes for MBMS IP unicast encapsulation		
		CP-110775		4	New AVP codes for MBMS IP multicast encapsulation		
		CP-110786 CP-110811		1	MME-Realm AVP code allocation  Equivalent PLMN CSG Subscription Request		
		CP-110781		1	Restoration of Wildcarded-IMPU AVP		
2012-03	CT#55	CP-120025		1	Codes Allocation for AVPs on Initial Attach	11.1.0	11.2.0
		CP-120038	0288		New AVP codes for Absolute Time of MBMS Data Transfer over SGmb		
		CP-120038	0291	1	Allocating Diameter AVP codes for TS 29.219 and TS 29.212		
2012-06	CT#56	CP-120240	0287	5	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		
		CP-120225	0296	1	WLAN Access feature  Trust Relationship Indication	_	
		CP-120251			Corrections to reference titles		
		CP-120251			Diameter Code Allocation for TS 29.219		
		CP-120247			Network Name AVP codes		
0040.00	OT#57	CP-120219			Duplicated AVP names	44.0.0	44.40
2012-09	CT#57	CP-120481 CP-120473			PS additional number allocation SMS in MME/SGSN	11.3.0	11.4.0
		CP-120473		_	AAA Failure Recovery AVP codes		
		CP-120474			Transport Access Type AVP for BBAI		
		CP-120480			Local Time Zone		
		CP-120472	0308	-	Allocating Application Identifier and command code for Tsp		
		CD 120172	0200		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			T4 device triggering via IMS	11.4.0	11.5.0
		CP-120731 CP-120731			Codes and Identifier Allocation for T4 Specification  AVP Code Allocation for 29.336		
		CP-120731			Diameter AVP code value allocation in TS 29.368		
		CP-120732			Application Identifier, Command Codes and AVP codes for SGd,		
		CP-120716	0324	1	S6c AVP name modification in TS 32.299		
		CP-120742			UE Time Zone AVP		
		CP-120741		1	Use of Flag instead of Enumerated AVPs		
		CP-120741		-	Use of Flag instead of Enumerated AVPs		
		CP-120743 CP-120743		-	PSI direct routing with restoration procedures  EPS LocationInformation Support		
2013-03	CT#59	CP-130026		1	Diameter error code for TS 29.219	11.5.0	11.6.0
20.00	000	CP-130026			MDT parameters		
2013-03	CT#59	CP-130156		1	New AVPs for Lgd interface	11.6.0	12.0.0
0040.00	OT#00	CP-130030		-	Validity Time of Short Message	40.00	40.4.0
2013-06	CT#60	CP-130288 CP-130298			Add new DER-S6b-flag AVP Failure Result Codes Allocation for TS 29.219	12.0.0	12.1.0
		CP-130290		-	Diameter AVP codes for new TS 32.299 AVPs		
		CP-130279		1	Definition of SS Status for Call Barring		
	į	CP-130380			New SGs-MME-Identity AVP		
		CP-130291	0348	2	New AVPs for deferred MT-LR and periodic MO-LR TTTP		
		CP-130297	03/17	1	procedures over Lgd interface Application Port Identifier	-	
		CP-130297			MTRR on Sh	1	
		CP-130295			Restoration Priority during SGW and PGW restoration procedures	_	
		CP-130378	0349	1	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 CP-130460			AVP code reservation for TS 32.299 Rel-12 Allocation of Diameter codes and identifiers for 29.212 and 29.215	-	
2013-09		01 - 130400	0300	-	Vendor-specific command code for Trigger-Establishment-	12,2.0	12.2.1
		<u> </u>		L	Request/Answer corrected		
2013-12	CT#62	CP-130624		-	New AVP for optimized LCS procedure for combined MME/SGSN	12.2.1	12.3.0
		CP-130631		1	Adding E-SMLC provided Cell info and Cell Portion	4	
	ļ	CP-130800		-	New AVPs for SMS for IMS UE without MSISDN in TS 29.338	4	
		CP-130600 CP-130605		1	Allocation of Diameter codes for 32.299 Allocation of Diameter codes for 29.212	-	
	1			ι		1	
		ICP-130639	0380	l -	13G3N CAMEL Subscription indication		
2014-03	CT#63	CP-130639 CP-140180		2	SGSN CAMEL Subscription Indication  Protocol enhancements for the support of device replace procedure	12.3.0	12.4.0

		CP-140023	0383	1	Definition of WLAN-related AVPs	1	
2014-06	CT#64	CP-140211			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	4	
		CP-140257			SS-Status AVP Definition	<u> </u> 	
		CP-140252			Definition of AVPs for Network Location in TWLAN		
		CP-140236			TWAN-BSSID AVP re-naming	]	
	ļ	CP-140247			New AVPs for Trusted WLAN access	<u> </u>	
2014-09	CT#65	CP-140231 CP-140515	0390	1	Adding Codes for 29.214 T-GRUU restoration	12.5.0	1260
2014-09	C1#65	CP-140515			MB2-C codes	12.5.0	12.0.0
		CP-140505	0405	1	New AVPs for Trusted WLAN access	Ī	
		CP-140506	0406	1	P-CSCF Restoration indication	j	
		CP-140516			Closing TS 29.234 and reused AVP in TS 29.273		
		CP-140513	0408	-	Identification of the HSS Editorial: WLAN-offloadability AVP codes added as in CR C4-	<u> </u>	
					141648.		
2014-12	CT#66	CP-140785	0409	1	New AVP for MBMS restoration	12.6.0	12.7.0
			0430		New Diagnostic-Info AVP for MBMS restoration		
			0410		WLCP key for WLCP signalling protection	<u> </u>	
	}		0411 0416		Reset-ID Code definitions for 32.299	1	
	1		0428		Removal of I-WLAN AVPs	1	
			0429		Reference correction	j	
	]		0433		Code allocation for 29.212	]	
			0418		MDT PLMN List	1	
			0422		Codes Allocation for PC2 Protocol	1	
			0423 0431		Codes Allocation for PC4a Protoco Allocation of values for Application ID, Command codes, AVP	1	
			0401	3	codes and Experimental-Result codes used in the TS 29.345		
			0434	1	Command Code and Error Code for ProSe Initial Location	Ī	
					Information Retrieval		
			0425 0426		Corrections of the type of some AVPs OFR-Flags AVP code	_	
			0426		P-CSCF Restoration mechanism new error	1	
2015-03	CT#67	CP-150015			Renaming of Location-Type AVP	12.7.0	12.8.0
			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	_	
			0438	1	Allocation of code for Authorized-Discovery-Range AVP (TS 29.344)		
			0440	2	Location Update Trigger	1	
			0441		AVP codes allocation for Validity related AVPs for TS 29.345		
			0443		Allocation of codes for the Integrity Checks. Aspect AVPs		
2015-03	CT#67	CP-150039			Diameter Application Identifier for Np protocol	12.8.0	
2015-06	C1#68	CP-150257 CP-150247			AVP code allocation for Match Refresh Timer AVP in TS 29.345 Wrong CR implementation of CR 0416r1	13.0.0	13.1.0
		CP-150249			AVP code allocation for 32.299	1	
		CP-150263			AVP codes for Access Restriction Data per PLMN	1	
		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 CP-150453			Overlapping transaction over S6b Addition of IMSI Group Id AVP definition	<u> </u>	
		CP-150455			Addition of CP parameter AVP definition	-	
		CP-150431			AVP codes for TS 29.212	1	
		CP-150456	0471	3	AVP definiton for S6t		
2015-12	CT#70	CP-150761			Addition of MBMS-Cell-List AVP	13.2.0	13.3.0
		CP-150778			S6t Application ID and Command Codes	<u> </u>	
		CP-150778 CP-150778			Bitmask to inform the SCEF of the Monitoring capabilities  AVP codes for MONTE T6a/b interface	4	
		CP-150778			Correction to SCEF-Reference-ID and SCEF-Reference-ID-For-	1	
		0000	0.0.	·	Deletion data types		
					DOUBLE CANDO LIVE CHARLES IN INC.	Ī	
		CP-150778	0494	2	Definition of AVP for deletion of all Monitoring events assigned to a		1
					subscriber (UE)	_	ł
		CP-150778	0501	1	subscriber (UE) Definition of AVP SCEF-ID		
		CP-150778 CP-150778	0501 0502	1 2	subscriber (UE) Definition of AVP SCEF-ID Service result per Event configuration		
		CP-150778	0501 0502 0475	1 2 1	subscriber (UE) Definition of AVP SCEF-ID Service result per Event configuration Emergency PDN connection over untrusted WLAN access EPC-MT-LR and PS-MT-LR procedure for UEs transiently not	] ] ]	
		CP-150778 CP-150778 CP-150770 CP-150776	0501 0502 0475 0476	1 2 1	subscriber (UE) Definition of AVP SCEF-ID Service result per Event configuration Emergency PDN connection over untrusted WLAN access EPC-MT-LR and PS-MT-LR procedure for UEs transiently not reachable due to power saving	] ] ] ]	
		CP-150778 CP-150778 CP-150770 CP-150776	0501 0502 0475 0476	1 2 1 -	subscriber (UE) Definition of AVP SCEF-ID Service result per Event configuration Emergency PDN connection over untrusted WLAN access EPC-MT-LR and PS-MT-LR procedure for UEs transiently not reachable due to power saving Mobile Terminating SMS handling for extended Idle mode DRX		
		CP-150778 CP-150778 CP-150770 CP-150776	0501 0502 0475 0476	1 2 1 -	subscriber (UE) Definition of AVP SCEF-ID Service result per Event configuration Emergency PDN connection over untrusted WLAN access EPC-MT-LR and PS-MT-LR procedure for UEs transiently not reachable due to power saving Mobile Terminating SMS handling for extended Idle mode DRX Mobile Terminating SMS handling for extended Idle mode DRX –		
		CP-150778 CP-150778 CP-150770 CP-150776	0501 0502 0475 0476 0497	1 2 1 -	subscriber (UE) Definition of AVP SCEF-ID Service result per Event configuration Emergency PDN connection over untrusted WLAN access EPC-MT-LR and PS-MT-LR procedure for UEs transiently not reachable due to power saving Mobile Terminating SMS handling for extended Idle mode DRX		

1	1	lop 450770	0.400		LATES (AVD. 1 to 1	1	1
ļ	ļ	CP-150772			Addition of AVPs and result-codes		
<b>,</b>	ļ	CP-150772			Addition of AVP used in match report procedure for eProSe-Ext-CT	ļ	
		CP-150754		1	Allowed WAF and/or WWSF Identities	ļ	
		CP-150773		-	Add the default access type to 3GPP specific AVP	ļ	
1	1	CP-150781		1	AVP code allocation for "UE Usage Type"	ļ	
		CP-150755		-	Metadata in Match-Report	ļ	
ļ	ļ	CP-150755		-	New Group AVP for ProSe direct discovery procedures	ļ	
		CP-150771			Definition of AVP for AESE-CT	ļ	
		CP-150771		1	Command codes and AVP range for TS 29.154 and TS 29.153	ļ	
		CP-150776		1	AVP codes for Indoor Positioning support in SLg/Lgd		
2016-03	CT#71	CP-160041			Application ID for St	13.3.0	13.4.0
1	1	CP-160041	0506	1	Correction on TS numbers		
1	l	CP-160041			AVPs for the Rx Diameter application		
1	1	CP-160041	0514	2	AVP code reservation for 32.299	]	
		CP-160041	0518	1	Codes for 29.212	1	
		CP-160029	0505	3	New AVP assignment for MONTE	1	
		CP-160029	0509	-	Change of type of Monitoring-Duration AVP to represent an	1	
					absolute time		
	ĺ	CP-160035	0507	-	Remove the default access AVP	]	
		CP-160035	0508	-	Specific AVP codes for NBIFOM	1	
Î	Î	CP-160030		-	Alert procedure from MME/SGSN to SMS-GMSC for MT SMS to	ĺ	
					UE using eDRX		
ĺ	ĺ	CP-160037	0512	-	ePDG retrieval of WLAN Location Information	Ì	
Î	Î	CP-160033	0513	2	Definition of AVP Authorization of NIDD	ĺ	
Ì	Ì	CP-160033			New PDN-Type for Cellular IoT	İ	
Ì	Ì	CP-160036			Monitoring update and Reporting of update result	İ	
Ì	Ì	CP-160036	0519	3	Allocation of new Diameter Application ID and commands code for	İ	
				-	PC2 protocol		
2016-06	CT#72	CP-160225	0544	2	SCEF Realm	13.4.0	13.5.0
2016-06	CT#72	CP-160225			Cleanup up on MONTE AVP's		13.5.0
2016-06	CT#72	CP-160228		1	NIDD authorisation update		13.5.0
2016-06	CT#72	CP-160228		-	IANA Command Code Registration		13.5.0
2016-06	CT#72	CP-160228			CloT new commands and Diameter error		13.5.0
2016-06	CT#72	CP-160228			Serving PLMN Rate Control		13.5.0
2016-06	CT#72	CP-160228			New AVP for APN Rate Control		13.5.0
2016-06	CT#72	CP-160227		1	IANA assigned application Id and command code values		13.5.0
2016-06	CT#72	CP-160227			Allocation of AVP codes and Experimental Result codes for		13.5.0
	0	00022.			Diameter Data Management application		. 0.0.0
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		-	AVP code range 3900-3999		13.5.0
2016-06	CT#72	CP-160236		1	New AVPs in TS 29.214		13.5.0
2016-06	CT#72	CP-160236			AVP codes for 29.212		13.5.0
2016-06	CT#72	CP-160232			AVP Codes for 29.343		13.5.0
2016-06	CT#72	CP-160232		1	Assignment of application ID and command code for PC2 reference		
2010 00	01#12	01 -100232	0323		point	10.4.0	10.0.0
2016-06	CT#72	CP-160232	0532	1	Addition of new AVPs for ProSe direct discovery security and open	13 / 0	1350
2010-00	01#12	C1 -100232	0332	'	ProSe direct discovery with application-controlled extension	13.4.0	13.3.0
2016-06	CT#72	CP-160232	0530	_	Reserved Experimental Result Codes for TS 29.343	13 4 0	13.5.0
2016-06	CT#72	CP-160233			Renaming of Validity-Time AVP		13.5.0
		CP-160233					
2016-06 2016-06	CT#72 CT#72	CP-160233		1	New AVPs allocated for 29.153 and 29.154 3GPP specific AVP for NBIFOM		13.5.0 13.5.0
2016-06		CP-160231			Missing AVP codes and Experimental-Result codes for T6a		13.6.0
2016-09	CT#73 CT#73	CP-160423		1	AVP codes for 32.299		13.6.0
2016-09				_	AVP code for 29.214		
	CT#73	CP-160419		1			13.6.0
2016-09	CT#73	CP-160419		4	AVP code for 29.212		13.6.0
2016-09	CT#73	CP-160424		1	Allocate of AVP Handling of Exception Reports in the Core Network		
2016-12	CT#74	CP-160650		-	AVP code alignment with 29.272		13.7.0
2016-12	CT#74	CP-160653	10584	11	Renaming of Emergency-Indication AVP	113.6.0	13.7.0
2016-12	CT#74	CP-160660			S6t-HSS-Cause		13.7.0

## History

Document history						
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