

IP Services Gateway AAA AVP Support

This appendix presents a quick reference for message-level AVP support for the IPSG.

The following table describes the indicators used in the quick reference table.

Table 1: Indicators used in the Quick Reference Table

Indicator	Description
M	Mandatory, one or more instances of the AVP MUST be present in the message.
O	Optional, zero or more instances of the AVP MAY be present in the message.
C	Conditional, the AVP can be mandatory or optional depending on the dictionary used.

Table 2: IPSG AVP Support Quick Reference Table

Attribute	Accounting-Request-Start	Accounting-Request-Interim	Accounting-Request-Stop	Access-Request	Disconnect-Message Request (PoD message initiated by IPSG)	Notes
User-Name	C	C	C	C	C	Optional for custom54. If this AVP is present, it is used. Else a default value "void" will be used as username in ipsgmgr. Mandatory for starent-vsa1.
Acct-Status-Type	M	M	M	M	M	
Acct-Session-Id	M	M	M	O	M	

IP Services Gateway AAA AVP Support

Attribute	Accounting-Request-Start	Accounting-Request-Interim	Accounting-Request-Stop	Access-Request	Disconnect-Message Request (PoD message initiated by IPSG)	Notes
Framed-IP-Address	M	M	M	O	M	Mandatory if Framed-Ipv6-Prefix in not present
Framed-Ipv6-Prefix	M	M	M	O	M	Mandatory if Framed-IP-Address is not present
Calling-Station-ID	C	C	C	C	C	Optional for starent-vsa1. Even though the AVP is present, it will be set to NULL and processed by ipsgmgr. Mandatory for custom54.
Called-Station-ID	M	M	M	M	O	Optional for profile subscriber
User-Password	O	O	O	O	O	
Event-Timestamp	O	O	O	O	O	
NAS-Port-Id	O	O	O	O	O	
NAS-Port	O	O	O	O	O	
NAS-Port-Type	O	O	O	O	O	
NAS-IP-Address	O	O	O	O	O	IPv4 address of the GGSN for communication with the AAA server.
NAS-Identifier	O	O	O	O	O	Hostname of the GGSN for communication with the AAA server.
Framed-Protocol	O	O	O	O	O	
Acct-Input-Packets	O	O	O	O	O	

Attribute	Accounting-Request-Start	Accounting-Request-Interim	Accounting-Request-Stop	Access-Request	Disconnect-Message Request (PoD message initiated by IPSG)	Notes
Acct-Output-Packets	O	O	O	O	O	
Acct-Authentic	O	O	O	O	O	
Acct-Delay-Time	O	O	O	O	O	
Vendor-Specific	O	O	O	O	O	
Class	O	O	O	O	O	
Service-Type	O	O	O	O	O	
Connect-Info	O	O	O	O	O	
Proxy-State	O	O	O	O	O	
3GPP-IMSI	O	O	O	O	O	Optional, otherwise IPSG configured value used in CPC Request.
3GPP-Charging Characteristics	O	O	O	O	O	Contains the charging characteristics for this PDP context received in the Create PDP Context request message.
3GPP-Negotiated-QoS-Profile	O	O	O	O	O	Represents the QoS profile for the PDP context.
3GPP-GGSN-MCC-MNC	O	O	O	O	O	MCC-MNC of the network the GGSN belongs to.

IP Services Gateway AAA AVP Support

Attribute	Accounting-Request-Start	Accounting-Request-Interim	Accounting-Request-Stop	Access-Request	Disconnect-Message Request (PoD message initiated by IPSG)	Notes
3GPP-SGSN-MCC-MNC	O	O	O	O	O	For GGSN and PGW connected to a Gn/Gp SGSN, it represents the MCC and MNC extracted from the RAI within the Create PDP Context Request or Update PDP ContextRequest message. For P-GW in GTP/PMIP S5/S8 it represents the MCC and MNC extracted from the Serving Network.
3GPP-RAT-Type	O	O	O	O	O	
3GPP-SGSN-Address	O	O	O	O	O	
3GPP-GGSN-Address	O	O	O	O	O	It represents the IPv4 address that is used by the GTP control plane for the context establishment.
3GPP-User-Location-Info	O	O	O	O	O	Used to inform the change in user location.
3GPP-IMEISV	O	O	O	O	O	
3GPP-Charging-Id	O	O	O	O	O	

Attribute	Accounting-Request-Start	Accounting-Request-Interim	Accounting-Request-Stop	Access-Request	Disconnect-Message Request (PoD message initiated by IPSG)	Notes
3GPP-Selection-Mode	O	O	O	O	O	Not used in IPSG.Contains the selection mode for this PDP context received in the Create PDP Context request message.
3GPP-NSAPI	O	O	O	O	O	Identifies a particular PDP context for the associated PDN and MSISDN/IMSI from creation to deletion.
3GPP-PDP-Type	O	O	O	O	O	Not used in IPSG. PDP type determined based on IPv4 or IPv6 address.
3GPP-MS-TimeZone	O	O	O	O	O	
SN-Transparent-Data	O	O	O	O	O	
SN1-Transparent-Data	O	O	O	O	O	
SN-Assigned-VLAN-ID	O	O	O	O	O	
SN1-Assigned-VLAN-ID	O	O	O	O	O	
SN1-Vpn-Name	C	C	C	C	C	Mandatory if the Overlapping IP Address feature is enabled.

IP Services Gateway AAA AVP Support