Management Attribute/Packet Table

Attribute	MGMT Access-Request	MGMT Access-Reject	MGMT Access-Accept	MGMT Acct-Request-Start	MGMT Acct-Request-Interim	MGMT Acct-Request-Stop
3GPP2-DNS-Server-IPV6-Addr	0	0	0-1	0	0	0
3GPP2-ESN	1	0	0	0	0	0
Acct-Authentic	0	0	0	1	1	1
Acct-Interim-Interval	0	0	0-1	0	0	0
Acct-Session-Id	0	0	0	1	1	1
Callback-Id	0	0-1	0-1	0	0	0
Class	0	0	0-1	0-1	0-1	0-1
Delegated-IPv6-Prefix	0	0	0	0	0+	0+
EAP-Message	0+	1	0+	0	0	0
Error-Cause	0	0-1	0	0	0	0
Framed-IPv6-Prefix	0	0	0	0	0+	0+
Idle-Timeout	0	0	0-1	0	0	0
NAS-Port	1	0	0	1	1	1
NAS-Port-Type	1	0	0	1	1	1
Reply-Message	0	0-1	0-1	0	0	0
Service-Type	1	0	0-1	1	1	1
Session-Timeout	0	0	0-1	0	0	0
SN1-Admin-Expiry	0	0	0-1	0	0	0
SN1-Admin-Permission	0	0	0-1	0	0	0
SN1-DHCP-Lease-Expiry-Policy	0	0	0-1	0	0	0
SN1-Disconnect-Reason	0	0	0	0	0	1
SN1-DNS-Proxy-Intercept-List	0	0	1	0	0	0
SN1-DNS-Proxy-Use-Subscr-Addr	0	0	1	0	0	0
SN1-Enable-QoS-Renegotiation	0	0	0-1	0	0	0
SN1-LI-Dest-Address	0	0	0+	0	0	0
SN1-Long-Duration-Action	0	0	0-1	0	0	0
SN1-Long-Duration-Notification	0	0	0-1	0	0	0
SN1-Long-Duration-Timeout	0	0	0-1	0	0	0
SN1-MIP-HA-Assignment-Table	0	0	1	0	0	0
SN1-Overload-Disc-Connect-Time	0	0	0-1	0	0	0
SN1-Overload-Disc-Inact-Time	0	0	0-1	0	0	0
SN1-Overload-Disconnect	0	0	0-1	0	0	0
SN1-QoS-Renegotiation-Timeout	0	0	0-1	0	0	0
SN1-Rulebase	0	0	0-1	1	1	1
SN1-Subscriber-Accounting	0	0	0-1	1	1	1
SN1-Subscriber-Acct-Interim	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Mode	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Rsp-Action	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Start	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Stop	0	0	0-1	0	0	0
SN1-Subscriber-Class	0	0	0-1	0-1	0-1	0-1
SN1-Subscriber-Nexthop-Address	0	0	0-1	1	1	1
SN1-Subscriber-No-Interims	0	0	0-1	0	0	0

Attribute	MGMT Access-Request	MGMT Access-Reject	MGMT Access-Accept	MGMT Acct-Request-Start	MGMT Acct-Request-Interim	MGMT Acct-Request-Stop
SN1-Subscriber-Permission	0	0	0-1	0	0	0
SN-Acs-Credit-Control-Group	0	0	0-1	0-1	0-1	0-1
SN-Admin-Expiry	0	0	0-1	0	0	0
SN-Admin-Permission	0	0	0-1	0	0	0
SN-DHCP-Lease-Expiry-Policy	0	0	0-1	0	0	0
SN-Disconnect-Reason	0	0	0	0	0	1
SN-DNS-Proxy-Intercept-List	0	0	1	0	0	0
SN-DNS-Proxy-Use-Subscr-Addr	0	0	1	0	0	0
SN-Enable-QoS-Renegotiation	0	0	0-1	0	0	0
SN-Fast-Reauth-Username	0	0	0-1	0	0	0
SN-LI-Dest-Address	0	0	0+	0	0	0
SN-Long-Duration-Action	0	0	0-1	0	0	0
SN-Long-Duration-Notification	0	0	0-1	0	0	0
SN-Long-Duration-Timeout	0	0	0-1	0	0	0
SN-MIP-HA-Assignment-Table	0	0	1	0	0	0
SN-Overload-Disc-Connect-Time	0	0	0-1	0	0	0
SN-Overload-Disc-Inact-Time	0	0	0-1	0	0	0
SN-Overload-Disconnect	0	0	0-1	0	0	0
SN-Pseudonym-Username	0	0	0-1	0	0	0
SN-QoS-Renegotiation-Timeout	0	0	0-1	0	0	0
SN-Rulebase	0	0	0-1	1	1	1
SN-Subscriber-Accounting	0	0	0-1	1	1	1
SN-Subscriber-Acct-Interim	0	0	0-1	0	0	0
SN-Subscriber-Acct-Mode	0	0	0-1	0	0	0
SN-Subscriber-Acct-Rsp-Action	0	0	0-1	0	0	0
SN-Subscriber-Acct-Start	0	0	0-1	0	0	0
SN-Subscriber-Acct-Stop	0	0	0-1	0	0	0
SN-Subscriber-Class	0	0	0-1	0-1	0-1	0-1
SN-Subscriber-Nexthop-Address	0	0	0-1	1	1	1
SN-Subscriber-No-Interims	0	0	0-1	0	0	0
SN-Subscriber-Permission	0	0	0-1	0	0	0
State	1	0	0-1	0	0	0
User-Name	1	0	0-1	1	1	1
User-Password	1	0	0	0	0	0
WiMAX-Home-HNP-PMIP6	0	0	0	0	0+	0+

PSDN or FA Attribute/Packet Table

Attribute	PDSN or FA Access-Request	PDSN or FA Access-Reject	PDSN or FA Access-Accept	PDSN or FA Acct-Request-Start	PDSN or FA Acct-Request-Interim	PDSN or FA Acct-Request-Stop
3GPP2-Active-Time	0	0	0	1	1	1
3GPP2-Airlink-Record-Type	0	0	0	1	1	1
3GPP2-Airlink-Sequence-Number	0	0	0	1	1	1
3GPP2-Air-QOS	0	0	0	1	1	1
3GPP2-Allowed-Persistent-TFTs	0	0-1	0-1	0	0	0
3GPP2-Always-On	0	0	0-1	0-1	0-1	0-1
3GPP2-Bad-PPP-Frame-Count	0	0	0	1	1	1
3GPP2-BCMCS-Flow-ID	0-1	0	0	1	1	1
3GPP2-BCMCS-Flow-Transmit-Time	0	0	0	1	1	1
3GPP2-BCMCS-Mcast-IP-Addr	0	0	0-1	1	0	1
3GPP2-BCMCS-Mcast-Port	0	0	0-1	1	0	1
3GPP2-BCMCS-Reason-Code	1	0	0	0	0	0
3GPP2-Beginning-Session	0	0	0	1	0	0
3GPP2-BSID	1	0	0	1	1	1
3GPP2-Comp-Tunnel-Indicator	0	0	0	1	1	1
3GPP2-Correlation-Id	1	0	0	1	1	1
3GPP2-DCCH-Frame-Size	0	0	0	1	1	1
3GPP2-DNS-Server-IPV6-Addr	0	0	0-1	0	0	0
3GPP2-ESN	1	0	0	1	1	1
3GPP2-FA-Address	0-1	0	0	0-1	0-1	0-1
3GPP2-FEID	0	0	0	1	1	1
3GPP2-Flow-Status	0	0	0	0	0	0-1
3GPP2-Forward-Fundamental-Rate	0	0	0	1	1	1
3GPP2-Forward-Fundamental-RC	0	0	0	1	1	1
3GPP2-Forward-Mux-Option	0	0	0	1	1	1
3GPP2-Forward-Traffic-Type	0	0	0	1	1	1
3GPP2-Fundamental-Frame-Size	0	0	0	1	1	1
3GPP2-Fwd-Dcch-Mux-Option	0	0	0	0-1	0-1	0-1
3GPP2-Fwd-Dcch-Rc	0	0	0	0-1	0-1	0-1
3GPP2-Fwd-Pdch-Rc	0	0	0	0-1	0-1	0-1
3GPP2-IKE-Secret	0	0	0-1	0	0	0
3GPP2-IKE-Secret-Request	0-1	0	0	0	0	0
3GPP2-Inter-User-Priority	0	0-1	0-1	0	0	0
3GPP2-IP-QOS	0	0	0-1	1	1	1
3GPP2-IP-Services-Authorized	0	0-1	0-1	0	0	0
3GPP2-IP-Technology	0-1	0	0-1	1	1	1
3GPP2-KeyID	0	0	0-1	0	0	0
3GPP2-Last-Activity	0	0	0	0	0-1	1
3GPP2-Max-Auth-Aggr-Bw-BET	0	0-1	0-1	0	0	0
3GPP2-Max-Per-Fl-Pri-ForTheUser	0	0-1	0-1	0	0	0
3GPP2-MEID	1	0	0	1	1	1
3GPP2-MIP6-Home-Address	0	0	0-1	0	0	0
3GPP2-MIP6-Home-Agent	0	0	0-1	0	0	0
3GPP2-MIP6-Home-Link-Prefix	0	0	0-1	0	0	0
3GPP2-MIP-HA-Address	1	0	0+	1	1	1
3GPP2-MIP-Rev-Tunnel-Required	0	0	0-1	0	0	0
3GPP2-MIP-Sig-Octet-Count-In	0	0	0	1	1	1

Attribute	PDSN or FA Access-Request	PDSN or FA Access-Reject	PDSN or FA Access-Accept	PDSN or FA Acct-Request-Start	PDSN or FA Acct-Request-Interim	PDSN or FA Acct-Request-Stop
3GPP2-MIP-Sig-Octet-Count-Out	0	0	0	1	1	1
3GPP2-MN-AAA-Removal-Indication	0	0	0-1	0	0	0
3GPP2-MN-HA-SPI	0-1	0	0	0	0	0
3GPP2-Mobile-Term-Orig-Ind	0	0	0	1	1	1
3GPP2-Number-Active-Transitions	0	0	0	1	1	1
3GPP2-Num-Bytes-Received-Total	0	0	0	1	1	1
3GPP2-Num-SDB-Input	0	0	0	1	1	1
3GPP2-Num-SDB-Output	0	0	0	1	1	1
3GPP2-PMIP-Capability	0-1	0	0	0-1	0-1	0-1
3GPP2-PMIP-IPv4Session-Info	0-1	0	0-1	0-1	0-1	0-1
3GPP2-PMIP-IPv6Session-Info	0-1	0	0-1	0-1	0-1	0-1
3GPP2-PMIP-NAI	0	0	0-1	0-1	0-1	0-1
3GPP2-Release-Indicator-Prepaid	0-1	0	0-1	0-1	0-1	0-1
3GPP2-Rev-Dcch-Mux-Option	0	0	0	0-1	0-1	0-1
3GPP2-Rev-Dcch-Rc	0	0	0	0-1	0-1	0-1
3GPP2-Reverse-Fundamental-Rate	0	0	0	1	1	1
3GPP2-Reverse-Fundamental-RC	0	0	0	1	1	1
3GPP2-Reverse-Mux-Option	0	0	0	1	1	1
3GPP2-Reverse-Traffic-Type	0	0	0	1	1	1
3GPP2-Rev-Pdch-Rc	0	0	0	0-1	0-1	0-1
3GPP2-RP-Session-ID	1	0	0	1	1	1
3GPP2-Rsvp-Signal-In-Count	0	0	0	0	0-1	0-1
3GPP2-Rsvp-Signal-In-Packets	0	0	0	0	0-1	0-1
3GPP2-Rsvp-Signal-Out-Count	0	0	0	0	0-1	0-1
3GPP2-Rsvp-Signal-Out-Packets	0	0	0	0	0-1	0-1
3GPP2-SDB-Output-Octets	0	0	0	1	1	1
3GPP2-Security-Level	0	0	0-1	0	0	0
3GPP2-Service-Option	0-1	0-1	0-1	1	1	1
3GPP2-Serving-PCF	1	0	0	1	1	1
3GPP2-Session-Continue	0	0	0	0	1	1
3GPP2-Session-Term-Capability	0	0	0-1	0	0	0
3GPP2-User-Zone	1	0	0	1	1	1
3GPP-Charging-Id	1	0	0	0	0	0
3GPP-Chrg-Char	0	0-1	0-1	0	0	0
Acct-Authentic	0	0	0	1	1	1
Acct-Delay-Time	1	0	1	1	1	1
Acct-Input-Packets	0-1	0	0	0	1	1
Acct-Interim-Interval	0	0	0-1	0	0	0
Acct-Output-Packets	0-1	0	0	0	1	1
Acct-Session-Id	0	0	0	1	1	1
Callback-Id	0	0-1	0-1	0	0	0
Called-Station-ID	1	0-1	0-1	1	1	1
Calling-Station-Id	1	0	1	1	1	1
CHAP-Challenge	0-1	0	0	0	0	0
Class	0-1	0-1	0+	0+	0+	0+
Connect-Info	1	0	0-1	1	1	1
CS-Prepaid-Quota	0-1	0	0-1	0-1	0-1	0-1
CS-Prepaid-Time-Quota	0-1	0	0-1	0-1	0-1	0-1
CS-Prepaid-Volume-Quota	0-1	0	0-1	0-1	0-1	0-1
CS-Service-Name	0-1	0	0-1	0-1	0-1	0-1
CUI	0-1	0-1	0-1	0-1	0-1	0-1

Attribute	PDSN or FA Access-Request	PDSN or FA Access-Reject	PDSN or FA Access-Accept	PDSN or FA Acct-Request-Start	PDSN or FA Acct-Request-Interim	PDSN or FA Acct-Request-Stop
Delegated-IPv6-Prefix	0+	0	0+	0+	0+	0+
EAP-Message	0+	1	0+	0	0	0
Error-Cause	0	0-1	0	0	0	0
Framed-Compression	0	0	0-1	0-1	0-1	0-1
Framed-Interface-Id	0-1	0	0-1	0-1	0-1	0-1
Framed-IP-Address	0-1	0-1	0-1	1	1	1
Framed-IP-Netmask	0-1	0	0-1	0-1	0-1	0-1
Framed-IPv6-Pool	0	0	0-1	0	0	0
Framed-IPv6-Prefix	0+	0	0+	0+	0+	0+
Framed-MTU	0	0	0-1	0-1	0-1	0-1
Framed-Pool	0	0-1	0+	0	0	0
Framed-Protocol	1	0	0-1	1	1	1
Idle-Timeout	0	0	0-1	0	0	0
NAS-Port	1	0	0	1	1	1
NAS-Port-Type	1	0	0	1	1	1
Primary-DNS-Server	0	0	0-1	1	1	1
Reply-Message	0	0-1	0-1	0	0	0
Secondary-DNS-Server	0	0	0-1	1	1	1
Service-Selection	0	0	0-1	0	0	0
Service-Type	1	0	0-1	1	1	1
Session-Timeout	0	0	0-1	0	0	0
SN1-Access-link-IP-Frag	0	0	0-1	0	0	0
SN1-Admin-Permission	0	0	0-1	0	0	0
SN1-Assigned-VLAN-ID	0	0	0-1	1	1	1
SN1-CFPolicy-ID	0	0	0-1	0	0	0
SN1-Data-Tunnel-Ignore-DF-Bit	0	0	0-1	0	0	0
SN1-DHCP-Lease-Expiry-Policy	0	0	0-1	0	0	0
SN1-Disconnect-Reason	0	0	0	0	0	1
SN1-DNS-Proxy-Intercept-List	0	0	1	0	0	0
SN1-DNS-Proxy-Use-Subscr-Addr	0	0	1	0	0	0
SN1-Enable-QoS-Renegotiation	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Context	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Down-Addr	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Down-VLAN	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Preference	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Up-Addr	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Up-VLAN	0	0	0-1	0	0	0
SN1-Firewall-Enabled	0	0	0	1	1	1
SN1-FMC-Location	0	0	0	0-1	0-1	0-1
SN1-HA-Send-DNS-Address	0	0	0-1	0	0	0
SN1-Inactivity-Time	0	0	0-1	0	0	0
SN1-IP-Alloc-Method	0	0	0-1	0	0	0
SN1-IP-Filter-In	0	0	0+	0	0	0
SN1-IP-Filter-Out	0	0	0+	0	0	0
SN1-IP-Header-Compression	0	0	0-1	0-1	0-1	0-1
SN1-IP-Hide-Service-Address	0	0	0-1	0	0	0
SN1-IP-In-Plcy-Grp	0	0	0-1	0	0	0
SN1-IP-Out-Plcy-Grp	0	0	0-1	0	0	0
SN1-IP-Pool-Name	0	0-1	0+	0	0	0
SN1-IP-Source-Validation	0	0	0-1	0	0	0
SN1-IP-Source-Violate-No-Acct	0	0	0-1	0	0	0

Attribute	PDSN or FA Access-Request	PDSN or FA Access-Reject	PDSN or FA Access-Accept	PDSN or FA Acct-Request-Start	PDSN or FA Acct-Request-Interim	PDSN or FA Acct-Request-Stop
SN1-IPv6-DNS-Proxy	0	0	0-1	0	0	0
SN1-IPv6-Egress-Filtering	0	0	0-1	0	0	0
SN1-IPv6-Min-Link-MTU	0	0	0-1	0	0	0
SN1-IPv6-num-rtr-advt	0	0	0-1	0	0	0
SN1-IPv6-Primary-DNS	0	0	0-1	0	0	0
SN1-IPv6-rtr-advt-interval	0	0	0-1	0	0	0
SN1-IPv6-Secondary-DNS	0	0	0-1	0	0	0
SN1-IPv6-Sec-Pool	0	0	0+	0	0	0
SN1-IPv6-Sec-Prefix	0	0	0+	0	0	0
SN1-L3-to-L2-Tun-Addr-Policy	0	0	0-1	0	0	0
SN1-LI-Dest-Address	0	0	0+	0	0	0
SN1-Local-IP-Address	0-1	0	0-1	1	1	1
SN1-Long-Duration-Action	0	0	0-1	0	0	0
SN1-Long-Duration-Notification	0	0	0-1	0	0	0
SN1-Long-Duration-Timeout	0	0	0-1	0	0	0
SN1-Min-Compress-Size	0	0	0-1	0	0	0
SN1-MIP-AAA-Assign-Addr	0	0	0-1	0	0	0
SN1-MIP-ANCID	0	0	0	0-1	0-1	0-1
SN1-MIP-HA-Assignment-Table	0	0	1	0	0	0
SN1-MIP-Match-AAA-Assign-Addr	0	0	0-1	0	0	0
SN1-MIP-Send-Ancid	0	0	0-1	0	0	0
SN1-MIP-Send-Correlation-Info	0	0	0-1	0	0	0
SN1-MIP-Send-Imsi	0	0	0-1	0	0	0
SN1-MIP-Send-Term-Verification	0	0	0-1	0	0	0
SN1-NAI-Construction-Domain	0	0	0-1	0	0	0
SN1-NPU-Qos-Priority	0	0	0-1	0	0	0
SN1-Overload-Disc-Connect-Time	0	0	0-1	0	0	0
SN1-Overload-Disc-Inact-Time	0	0	0-1	0	0	0
SN1-Overload-Disconnect	0	0	0-1	0	0	0
SN1-PDIF-MIP-Release-TIA	0	0	0-1	0	0	0
SN1-PDIF-MIP-Required	0	0	0-1	0	0	0
SN1-PDIF-MIP-Simple-IP-Fallback	0	0	0-1	0	0	0
SN1-PDSN-Handoff-Req-IP-Addr	0	0	0-1	0	0	0
SN1-Permit-User-Mcast-PDUs	0	0	0-1	0	0	0
SN1-PPP-Accept-Peer-v6Ifid	0	0	0-1	0	0	0
SN1-PPP-Always-On-Vse	0	0	0-1	0	0	0
SN1-PPP-Data-Compression	0	0	0-1	0-1	0-1	0-1
SN1-PPP-Data-Compression-Mode	0	0	0-1	0-1	0-1	0-1
SN1-PPP-Keepalive	0	0	0-1	0	0	0
SN1-PPP-NW-Layer-IPv4	0	0	0-1	0	0	0
SN1-PPP-NW-Layer-IPv6	0	0	0-1	0	0	0
SN1-PPP-Outbound-Password	0	0	0-1	0	0	0
SN1-PPP-Outbound-Username	0	0	0-1	0	0	0
SN1-PPP-Progress-Code	0	0	0	0	0	0-1
SN1-PPP-Reneg-Disc	0	0	0-1	0	0	0
SN1-Prepaid	0	0	0-1	0	0	0
SN1-Prepaid-Compressed-Count	0-1	0	0-1	0	0	0
SN1-Prepaid-Final-Duration-Alg	0	0	0-1	0	0	0
SN1-Prepaid-Inbound-Octets	0-1	0	0-1	0	0	0
SN1-Prepaid-Outbound-Octets	0-1	0	0-1	0	0	0
SN1-Prepaid-Preference	0	0	0-1	0	0	0

Attribute	PDSN or FA Access-Request	PDSN or FA Access-Reject	PDSN or FA Access-Accept	PDSN or FA Acct-Request-Start	PDSN or FA Acct-Request-Interim	PDSN or FA Acct-Request-Stop
SN1-Prepaid-Timeout	0-1	0	0-1	0	0	0
SN1-Prepaid-Total-Octets	0-1	0	0-1	0	0	0
SN1-Prepaid-Watermark	0-1	0	0-1	0	0	0
SN1-Primary-DCCA-Peer	0	0	0-1	0	0	0
SN1-Primary-DNS-Server	0	0	0-1	1	1	1
SN1-Primary-NBNS-Server	0	0	0-1	1	1	1
SN1-Proxy-MIP	0	0	0-1	0-1	0-1	0-1
SN1-QoS-Background-Class	0	0	0-1	0	0	0
SN1-QoS-Conversation-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive1-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive2-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive3-Class	0	0	0-1	0	0	0
SN1-QoS-Renegotiation-Timeout	0	0	0-1	0	0	0
SN1-QoS-Streaming-Class	0	0	0-1	0	0	0
SN1-QoS-Tp-Dnlk	0	0	0-1	0	0	0
SN1-QoS-Tp-Uplk	0	0	0-1	0	0	0
SN1-Re-CHAP-Interval	0	0	0-1	0-1	0-1	0-1
SN1-ROHC-Direction	0	0	0-1	0-1	0-1	0-1
SN1-ROHC-Flow-Marking-Mode	0	0	0-1	0	0	0
SN1-ROHC-Mode	0	0	0-1	0-1	0-1	0-1
SN1-ROHC-Profile-Name	0	0	0-1	0	0	0
SN1-Rulebase	0	0	0-1	1	1	1
SN1-Secondary-DCCA-Peer	0	0	0-1	0	0	0
SN1-Secondary-DNS-Server	0	0	0-1	1	1	1
SN1-Secondary-NBNS-Server	0	0	0-1	1	1	1
SN1-Service-Address	0-1	0	0	0	0	0
SN1-Simultaneous-SIP-MIP	0	0	0-1	0	0	0
SN1-Subs-Acc-Flow-Traffic-Valid	0	0	0-1	0	0	0
SN1-Subscriber-Accounting	0	0	0-1	1	1	1
SN1-Subscriber-Acct-Interim	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Mode	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Rsp-Action	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Start	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Stop	0	0	0-1	0	0	0
SN1-Subscriber-Class	0	0	0-1	0-1	0-1	0-1
SN1-Subscriber-Dormant-Activity	0	0	0-1	0	0	0
SN1-Subscriber-IP-Hdr-Neg-Mode	0	0	0-1	0	0	0
SN1-Subscriber-IP-TOS-Copy	0	0	0-1	0	0	0
SN1-Subscriber-Nexthop-Address	0	0	0-1	1	1	1
SN1-Subscriber-No-Interims	0	0	0-1	0	0	0
SN1-Subscriber-Permission	0	0	0-1	0	0	0
SN1-Subs-IMSA-Service-Name	0	0	0-1	0	0	0
SN1-Subs-VJ-Slotid-Cmp-Neg-Mode	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Burst-Size	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Committed-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Exceed-Action	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Peak-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Violate-Action	0	0	0-1	0	0	0
SN1-Tp-Uplk-Burst-Size	0	0	0-1	0	0	0
SN1-Tp-Uplk-Committed-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Uplk-Exceed-Action	0	0	0-1	0	0	0

Attribute	PDSN or FA Access-Request	PDSN or FA Access-Reject	PDSN or FA Access-Accept	PDSN or FA Acct-Request-Start	PDSN or FA Acct-Request-Interim	PDSN or FA Acct-Request-Stop
SN1-Tp-Uplk-Peak-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Uplk-Violate-Action	0	0	0-1	0	0	0
SN1-Tun-Addr-Policy	0	0	0-1	0	0	0
SN1-Tunnel-ISAKMP-Crypto-Map	0	0	0-1	0	0	0
SN1-Tunnel-ISAKMP-Secret	0	0	0-1	0	0	0
SN1-Tunnel-Load-Balancing	0	0	0-1	0	0	0
SN1-Unclassify-List-Name	0	0	0-1	0	0	0
SN1-Virtual-APN-Name	0	0	0-1	0	0	0
SN1-Voice-Push-List-Name	0	0	0-1	0	0	0
SN1-VPN-ID	0	0	0-1	0-1	0-1	0-1
SN1-VPN-Name	0	0	1	0-1	0-1	0-1
SN-Access-link-IP-Frag	0	0	0-1	0	0	0
SN-Acs-Credit-Control-Group	0	0	0-1	0-1	0-1	0-1
SN-Admin-Permission	0	0	0-1	0	0	0
SN-Assigned-VLAN-ID	0	0	0-1	1	1	1
SN-Bandwidth-Policy	0	0	1	0	0	0
SN-CBB-Policy	0	0	1	0	0	0
SN-CFPolicy-ID	0	0	0-1	0	0	0
SN-Congestion-Mgmt-Policy	0	0	0-1	0	0	0
SN-Data-Tunnel-Ignore-DF-Bit	0	0	0-1	0	0	0
SN-DHCP-Lease-Expiry-Policy	0	0	0-1	0	0	0
SN-DHCP-Options	0	0	0-1	0	0	0
SN-Direction	0	0	0-1	0-1	0-1	0-1
SN-Disconnect-Reason	0	0	0	0	0	1
SN-DNS-Proxy-Intercept-List	0	0	1	0	0	0
SN-DNS-Proxy-Use-Subscr-Addr	0	0	1	0	0	0
SN-Enable-QoS-Renegotiation	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Context	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Down-Addr	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Down-VLAN	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Preference	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Up-Addr	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Up-VLAN	0	0	0-1	0	0	0
SN-Fast-Reauth-Username	0	0	0-1	0	0	0
SN-Firewall-Enabled	0	0	0	1	1	1
SN-Firewall-Policy	0	0	1	0	0	0
SN-FMC-Location	0	0	0	0-1	0-1	0-1
SN-HA-Send-DNS-Address	0	0	0-1	0	0	0
SN-Inactivity-Time	0	0	0-1	0	0	0
SN-IP-Alloc-Method	0	0	0-1	0	0	0
SN-IP-Filter-In	0	0	0+	0	0	0
SN-IP-Filter-Out	0	0	0+	0	0	0
SN-IP-Header-Compression	0	0	0-1	0-1	0-1	0-1
SN-IP-Hide-Service-Address	0	0	0-1	0	0	0
SN-IP-In-Plcy-Grp	0	0	0-1	0	0	0
SN-IP-Out-Plcy-Grp	0	0	0-1	0	0	0
SN-IP-Pool-Name	0	0-1	0+	0	0	0
SN-IP-Source-Validation	0	0	0-1	0	0	0
SN-IP-Source-Violate-No-Acct	0	0	0-1	0	0	0
SN-IPv6-DNS-Proxy	0	0	0-1	0	0	0
SN-IPv6-Egress-Filtering	0	0	0-1	0	0	0

Attribute	PDSN or FA Access-Request	PDSN or FA Access-Reject	PDSN or FA Access-Accept	PDSN or FA Acct-Request-Start	PDSN or FA Acct-Request-Interim	PDSN or FA Acct-Request-Stop
SN-IPv6-Min-Link-MTU	0	0	0-1	0	0	0
SN-IPv6-num-rtr-advt	0	0	0-1	0	0	0
SN-IPv6-Primary-DNS	0	0	0-1	0	0	0
SN-IPv6-rtr-advt-interval	0	0	0-1	0	0	0
SN-IPv6-Secondary-DNS	0	0	0-1	0	0	0
SN-IPv6-Sec-Pool	0	0	0+	0	0	0
SN-IPv6-Sec-Prefix	0	0	0+	0	0	0
SN-L3-to-L2-Tun-Addr-Policy	0	0	0-1	0	0	0
SN-LI-Dest-Address	0	0	0+	0	0	0
SN-Local-IP-Address	0-1	0	0-1	1	1	1
SN-Long-Duration-Action	0	0	0-1	0	0	0
SN-Long-Duration-Notification	0	0	0-1	0	0	0
SN-Long-Duration-Timeout	0	0	0-1	0	0	0
SN-Min-Compress-Size	0	0	0-1	0	0	0
SN-MIP-AAA-Assign-Addr	0	0	0-1	0	0	0
SN-MIP-ANCID	0	0	0	0-1	0-1	0-1
SN-MIP-HA-Assignment-Table	0	0	1	0	0	0
SN-MIP-Match-AAA-Assign-Addr	0	0	0-1	0	0	0
SN-MIP-Send-Ancid	0	0	0-1	0	0	0
SN-MIP-Send-Correlation-Info	0	0	0-1	0	0	0
SN-MIP-Send-Host-Config	0	0	0-1	0	0	0
SN-MIP-Send-Imsi	0	0	0-1	0	0	0
SN-MIP-Send-Term-Verification	0	0	0-1	0	0	0
SN-Mode	0	0	0-1	0-1	0-1	0-1
SN-NAI-Construction-Domain	0	0	0-1	0	0	0
SN-NPU-Qos-Priority	0	0	0-1	0	0	0
SN-Overload-Disc-Connect-Time	0	0	0-1	0	0	0
SN-Overload-Disc-Inact-Time	0	0	0-1	0	0	0
SN-Overload-Disconnect	0	0	0-1	0	0	0
SN-PDG-TTG-Required	0	0	0-1	0	0	0
SN-PDIF-MIP-Release-TIA	0	0	0-1	0	0	0
SN-PDIF-MIP-Required	0	0	0-1	0	0	0
SN-PDIF-MIP-Simple-IP-Fallback	0	0	0-1	0	0	0
SN-PDSN-Handoff-Req-IP-Addr	0	0	0-1	0	0	0
SN-Permit-User-Mcast-PDUs	0	0	0-1	0	0	0
SN-PPP-Accept-Peer-v6Ifid	0	0	0-1	0	0	0
SN-PPP-Always-On-Vse	0	0	0-1	0	0	0
SN-PPP-Data-Compression	0	0	0-1	0-1	0-1	0-1
SN-PPP-Data-Compression-Mode	0	0	0-1	0-1	0-1	0-1
SN-PPP-Keepalive	0	0	0-1	0	0	0
SN-PPP-NW-Layer-IPv4	0	0	0-1	0	0	0
SN-PPP-NW-Layer-IPv6	0	0	0-1	0	0	0
SN-PPP-Outbound-Password	0	0	0-1	0	0	0
SN-PPP-Outbound-Username	0	0	0-1	0	0	0
SN-PPP-Progress-Code	0	0	0	0	0	0-1
SN-PPP-Reneg-Disc	0	0	0-1	0	0	0
SN-Prepaid	0	0	0-1	0	0	0
SN-Prepaid-Compressed-Count	0-1	0	0-1	0	0	0
SN-Prepaid-Final-Duration-Alg	0	0	0-1	0	0	0
SN-Prepaid-Inbound-Octets	0-1	0	0-1	0	0	0
SN-Prepaid-Outbound-Octets	0-1	0	0-1	0	0	0

Attribute	PDSN or FA Access-Request	PDSN or FA Access-Reject	PDSN or FA Access-Accept	PDSN or FA Acct-Request-Start	PDSN or FA Acct-Request-Interim	PDSN or FA Acct-Request-Stop
SN-Prepaid-Preference	0	0	0-1	0	0	0
SN-Prepaid-Timeout	0-1	0	0-1	0	0	0
SN-Prepaid-Total-Octets	0-1	0	0-1	0	0	0
SN-Prepaid-Watermark	0-1	0	0-1	0	0	0
SN-Primary-DCCA-Peer	0	0	0-1	0	0	0
SN-Primary-DNS-Server	0	0	0-1	1	1	1
SN-Primary-NBNS-Server	0	0	0-1	1	1	1
SN-Proxy-MIP	0	0	0-1	0-1	0-1	0-1
SN-Pseudonym-Username	0	0	0-1	0	0	0
SN-QoS-Background-Class	0	0	0-1	0	0	0
SN-QoS-Conversation-Class	0	0	0-1	0	0	0
SN-QOS-HLR-Profile	0	0	0-1	0	0	0
SN-QoS-Interactive1-Class	0	0	0-1	0	0	0
SN-QoS-Interactive2-Class	0	0	0-1	0	0	0
SN-QoS-Interactive3-Class	0	0	0-1	0	0	0
SN-QoS-Renegotiation-Timeout	0	0	0-1	0	0	0
SN-QoS-Streaming-Class	0	0	0-1	0	0	0
SN-QoS-Tp-Dnlk	0	0	0-1	0	0	0
SN-QoS-Tp-Uplk	0	0	0-1	0	0	0
SN-Re-CHAP-Interval	0	0	0-1	0-1	0-1	0-1
SN-ROHC-Flow-Marking-Mode	0	0	0-1	0	0	0
SN-ROHC-Profile-Name	0	0	0-1	0	0	0
SN-Rulebase	0	0	0-1	1	1	1
SN-Sec-IP-Pool-Name	0	0	0+	0	0	0
SN-Secondary-DCCA-Peer	0	0	0-1	0	0	0
SN-Secondary-DNS-Server	0	0	0-1	1	1	1
SN-Secondary-NBNS-Server	0	0	0-1	1	1	1
SN-Service-Address	0-1	0	0	0	0	0
SN-Simultaneous-SIP-MIP	0	0	0-1	0	0	0
SN-Subs-Acc-Flow-Traffic-Valid	0	0	0-1	0	0	0
SN-Subscriber-Accounting	0	0	0-1	1	1	1
SN-Subscriber-Acct-Interim	0	0	0-1	0	0	0
SN-Subscriber-Acct-Mode	0	0	0-1	0	0	0
SN-Subscriber-Acct-Rsp-Action	0	0	0-1	0	0	0
SN-Subscriber-Acct-Start	0	0	0-1	0	0	0
SN-Subscriber-Acct-Stop	0	0	0-1	0	0	0
SN-Subscriber-Class	0	0	0-1	0-1	0-1	0-1
SN-Subscriber-Dormant-Activity	0	0	0-1	0	0	0
SN-Subscriber-IP-Hdr-Neg-Mode	0	0	0-1	0	0	0
SN-Subscriber-IP-TOS-Copy	0	0	0-1	0	0	0
SN-Subscriber-Nexthop-Address	0	0	0-1	1	1	1
SN-Subscriber-No-Interims	0	0	0-1	0	0	0
SN-Subscriber-Permission	0	0	0-1	0	0	0
SN-Subs-IMSA-Service-Name	0	0	0-1	0	0	0
SN-Subs-VJ-Slotid-Cmp-Neg-Mode	0	0	0-1	0	0	0
SN-Tp-Dnlk-Burst-Size	0	0	0-1	0	0	0
SN-Tp-Dnlk-Committed-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Dnlk-Exceed-Action	0	0	0-1	0	0	0
SN-Tp-Dnlk-Peak-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Dnlk-Violate-Action	0	0	0-1	0	0	0
SN-TPO-Policy	0	0	0-1	0	0	0

Attribute	PDSN or FA Access-Request	PDSN or FA Access-Reject	PDSN or FA Access-Accept	PDSN or FA Acct-Request-Start	PDSN or FA Acct-Request-Interim	PDSN or FA Acct-Request-Stop
SN-Tp-Uplk-Burst-Size	0	0	0-1	0	0	0
SN-Tp-Uplk-Committed-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Uplk-Exceed-Action	0	0	0-1	0	0	0
SN-Tp-Uplk-Peak-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Uplk-Violate-Action	0	0	0-1	0	0	0
SN-TrafficSelector-Class	0	0	0-1	0	0	0
SN-Tun-Addr-Policy	0	0	0-1	0	0	0
SN-Tunnel-ISAKMP-Crypto-Map	0	0	0-1	0	0	0
SN-Tunnel-ISAKMP-Secret	0	0	0-1	0	0	0
SN-Tunnel-Load-Balancing	0	0	0-1	0	0	0
SN-Unclassify-List-Name	0	0	0-1	0	0	0
SN-Virtual-APN-Name	0	0	0-1	0	0	0
SN-Voice-Push-List-Name	0	0	0-1	0	0	0
SN-VPN-ID	0	0	0-1	0-1	0-1	0-1
SN-VPN-Name	0	0	1	0-1	0-1	0-1
SN-WiMAX-Auth-Only	0	0	0-1	0	0	0
SN-WLAN-AP-Identifier	0	0	0	0-1	0-1	0
SN-WLAN-UE-Identifier	0	0	0	0-1	0-1	0
SN-WSG-MIP-Release-TIA	0	0	0-1	0	0	0
SN-WSG-MIP-Required	0	0	0-1	0	0	0
SN-WSG-MIP-Simple-IP-Fallback	0	0	0-1	0	0	0
State	1	0-1	0-1	0	0	0
Termination-Action	0	0	0-1	0	0	0
Tunnel-Assignment-ID	0	0	0-1	1	1	1
Tunnel-Client-Auth-ID	0	0	0-1	1	1	1
Tunnel-Client-Endpoint	0	0	0-1	1	1	1
Tunnel-Medium-Type	0	0	0-1	1	1	1
Tunnel-Preference	0	0	0-1	0	0	0
Tunnel-Private-Group-ID	0	0	0-1	1	1	1
Tunnel-Server-Auth-ID	0	0	0-1	1	1	1
Tunnel-Server-Endpoint	0	0	0-1	1	1	1
Tunnel-Type	0	0	0-1	1	1	1
User-Name	1	0	0-1	1	1	1
User-Password	0-1	0	0	0	0	0

HA Attribute/Packet Table

Attribute	HA Access-Request	HA Access-Reject	HA Access-Accept	HA Acct-Request-Start	HA Acct-Request-Interim	HA Acct-Request-Stop
3GPP2-Beginning-Session	0	0	0	0-1	0	0
3GPP2-BSID	0	0	0	0-1	0-1	0-1
3GPP2-Comp-Tunnel-Indicator	0	0	0	1	1	1
3GPP2-Correlation-Id	1	0	0	1	1	1
3GPP2-DNS-Server-IPV6-Addr	0	0	0-1	0	0	0
3GPP2-DNS-Update-Required	0	0	0-1	0	0	0
3GPP2-ESN	1	0	0	0-1	0-1	0-1
3GPP2-FA-Address	0-1	0	0	0-1	0-1	0-1
3GPP2-IP-QOS	0	0	0-1	1	1	1
3GPP2-IP-Technology	0-1	0	0-1	0	0	0
3GPP2-MEID	0	0	0-1	0	0	0
3GPP2-MIP6-Authenticator	0-1	0	0	0	0	0
3GPP2-MIP6-CoA	0-1	0	0	0-1	0-1	0
3GPP2-MIP6-HA	0-1	0	0	0	0	0
3GPP2-MIP6-HoA	0-1	0	0	0-1	0-1	0
3GPP2-MIP6-HoA-Not-Authorized	0	0	0-1	0	0	0
3GPP2-MIP6-MAC-Mobility-Data	0-1	0	0	0	0	0
3GPP2-MIP6-Mesg-ID	0-1	0	0	0	0	0
3GPP2-MIP6-Session-Key	0	0	0-1	0	0	0
3GPP2-MN-HA-Shared-Key	0	0	0-1	0	0	0
3GPP2-MN-HA-SPI	0-1	0	0	0	0	0
3GPP2-Mobile-Term-Orig-Ind	0	0	0	1	1	1
3GPP2-Service-Option	0	0	0	0-1	0-1	0-1
3GPP2-Serving-PCF	0	0	0	1	1	1
3GPP2-Session-Continue	0	0	0	0	0	0-1
Acct-Authentic	0	0	0	1	1	1
Acct-Input-Packets	0-1	0	0	0	1	1
Acct-Interim-Interval	0	0	0-1	0	0	0
Acct-Multi-Session-Id	0	0	0	0-1	0-1	0-1
Acct-Output-Packets	0-1	0	0	0	1	1
Acct-Session-Id	0	0	0	1	1	1
Calling-Station-Id	1	0	1	1	1	1
CHAP-Challenge	1	0	0	0	0	0
Class	0	0	0-1	0-1	0-1	0-1
CUI	0-1	0	0-1	0	0	0
Error-Cause	0	0-1	0	0	0	0
Framed-IP-Address	0-1	0	0-1	1	1	1
Framed-IP-Netmask	0-1	0	0-1	0-1	0-1	0-1
Framed-IPv6-Pool	0	0	0-1	0	0	0
Framed-MTU	0	0	0-1	0-1	0-1	0-1
Framed-Pool	0	0	0+	0	0	0
Idle-Timeout	0	0	0-1	0	0	0
NAS-Port	1	0	0	1	1	1
NAS-Port-Type	1	0	0	1	1	1
Primary-DNS-Server	0	0	0-1	1	1	1
Reply-Message	0	0-1	0-1	0	0	0
Secondary-DNS-Server	0	0	0-1	1	1	1

Attribute	HA Access-Request	HA Access-Reject	HA Access-Accept	HA Acct-Request-Start	HA Acct-Request-Interim	HA Acct-Request-Stop
Service-Type	1	0	0-1	1	1	1
Session-Timeout	0	0	0-1	0	0	0
SN1-Access-link-IP-Frag	0	0	0-1	0	0	0
SN1-Admin-Permission	0	0	0-1	0	0	0
SN1-Assigned-VLAN-ID	0	0	0-1	0-1	0-1	0-1
SN1-CFPolicy-ID	0	0	0-1	0	0	0
SN1-Data-Tunnel-Ignore-DF-Bit	0	0	0-1	0	0	0
SN1-DHCP-Lease-Expiry-Policy	0	0	0-1	0	0	0
SN1-Disconnect-Reason	0	0	0	0	0	1
SN1-DNS-Proxy-Intercept-List	0	0	1	0	0	0
SN1-DNS-Proxy-Use-Subscr-Addr	0	0	1	0	0	0
SN1-Enable-QoS-Renegotiation	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Context	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Down-Addr	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Down-VLAN	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Preference	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Up-Addr	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Up-VLAN	0	0	0-1	0	0	0
SN1-Firewall-Enabled	0	0	0	1	1	1
SN1-FMC-Location	0	0	0	0-1	0-1	0-1
SN1-Gratuitous-ARP-Aggressive	0	0	0-1	0	0	0
SN1-Ignore-Unknown-HA-Addr-Err	0	0	0-1	0	0	0
SN1-IMS-AM-Address	0	0	0-1	0	0	0
SN1-IMS-AM-Domain-Name	0	0	0-1	0	0	0
SN1-Inactivity-Time	0	0	0-1	0	0	0
SN1-IP-Filter-In	0	0	0+	0	0	0
SN1-IP-Filter-Out	0	0	0+	0	0	0
SN1-IP-Hide-Service-Address	0	0	0-1	0	0	0
SN1-IP-Pool-Name	0	0	0+	0	0	0
SN1-IP-Source-Validation	0	0	0-1	0	0	0
SN1-IP-Source-Violate-No-Acct	0	0	0-1	0	0	0
SN1-IPv6-Sec-Pool	0	0	0+	0	0	0
SN1-IPv6-Sec-Prefix	0	0	0+	0	0	0
SN1-L3-to-L2-Tun-Addr-Policy	0	0	0-1	0	0	0
SN1-LI-Dest-Address	0	0	0+	0	0	0
SN1-Local-IP-Address	0-1	0	0-1	1	1	1
SN1-Long-Duration-Action	0	0	0-1	0	0	0
SN1-Long-Duration-Notification	0	0	0-1	0	0	0
SN1-Long-Duration-Timeout	0	0	0-1	0	0	0
SN1-MIP-ANCID	0	0	0	0-1	0-1	0-1
SN1-MIP-Dual-Anchor	0	0	0-1	0	0	0
SN1-MIP-HA-Assignment-Table	0	0	1	0	0	0
SN1-MIP-MIN-Reg-Lifetime-Realm	0	0	0-1	0	0	0
SN1-MIP-Reg-Lifetime-Realm	0	0	0-1	0	0	0
SN1-MN-HA-Timestamp-Tolerance	0	0	0-1	0	0	0
SN1-NPU-Qos-Priority	0	0	0-1	0	0	0
SN1-Nw-Reachability-Server-Name	0	0	0-1	0	0	0
SN1-Overload-Disc-Connect-Time	0	0	0-1	0	0	0
SN1-Overload-Disc-Inact-Time	0	0	0-1	0	0	0
SN1-Overload-Disconnect	0	0	0-1	0	0	0
SN1-PDSN-Correlation-Id	0	0	0	0-1	0-1	0-1

Attribute	HA Access-Request	HA Access-Reject	HA Access-Accept	HA Acct-Request-Start	HA Acct-Request-Interim	HA Acct-Request-Stop
SN1-PDSN-NAS-Id	0	0	0	0-1	0-1	0-1
SN1-PDSN-NAS-IP-Address	0	0	0	0-1	0-1	0-1
SN1-Permit-User-Mcast-PDUs	0	0	0-1	0	0	0
SN1-Prepaid	0	0	0-1	0	0	0
SN1-Prepaid-Compressed-Count	0-1	0	0-1	0	0	0
SN1-Prepaid-Final-Duration-Alg	0	0	0-1	0	0	0
SN1-Prepaid-Inbound-Octets	0-1	0	0-1	0	0	0
SN1-Prepaid-Outbound-Octets	0-1	0	0-1	0	0	0
SN1-Prepaid-Preference	0	0	0-1	0	0	0
SN1-Prepaid-Timeout	0-1	0	0-1	0	0	0
SN1-Prepaid-Total-Octets	0-1	0	0-1	0	0	0
SN1-Prepaid-Watermark	0-1	0	0-1	0	0	0
SN1-Primary-DCCA-Peer	0	0	0-1	0	0	0
SN1-Primary-DNS-Server	0	0	0-1	1	1	1
SN1-Primary-NBNS-Server	0	0	0-1	1	1	1
SN1-QoS-Background-Class	0	0	0-1	0	0	0
SN1-QoS-Conversation-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive1-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive2-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive3-Class	0	0	0-1	0	0	0
SN1-QoS-Renegotiation-Timeout	0	0	0-1	0	0	0
SN1-QoS-Streaming-Class	0	0	0-1	0	0	0
SN1-QoS-Tp-Dnlk	0	0	0-1	0	0	0
SN1-QoS-Tp-Uplk	0	0	0-1	0	0	0
SN1-Re-CHAP-Interval	0	0	0-1	0-1	0-1	0-1
SN1-Roaming-Status	0	0	0-1	0	0	0
SN1-Rulebase	0	0	0-1	1	1	1
SN1-Secondary-DCCA-Peer	0	0	0-1	0	0	0
SN1-Secondary-DNS-Server	0	0	0-1	1	1	1
SN1-Secondary-NBNS-Server	0	0	0-1	1	1	1
SN1-Service-Address	0-1	0	0	0	0	0
SN1-Subscriber-Accounting	0	0	0-1	1	1	1
SN1-Subscriber-Acct-Interim	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Mode	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Rsp-Action	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Start	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Stop	0	0	0-1	0	0	0
SN1-Subscriber-Class	0	0	0-1	0-1	0-1	0-1
SN1-Subscriber-IP-TOS-Copy	0	0	0-1	0	0	0
SN1-Subscriber-Nexthop-Address	0	0	0-1	1	1	1
SN1-Subscriber-No-Interims	0	0	0-1	0	0	0
SN1-Subscriber-Permission	0	0	0-1	0	0	0
SN1-Subs-IMSA-Service-Name	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Burst-Size	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Committed-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Exceed-Action	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Peak-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Violate-Action	0	0	0-1	0	0	0
SN1-Tp-Uplk-Burst-Size	0	0	0-1	0	0	0
SN1-Tp-Uplk-Committed-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Uplk-Exceed-Action	0	0	0-1	0	0	0

Attribute	HA Access-Request	HA Access-Reject	HA Access-Accept	HA Acct-Request-Start	HA Acct-Request-Interim	HA Acct-Request-Stop
SN1-Tp-Uplk-Peak-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Uplk-Violate-Action	0	0	0-1	0	0	0
SN1-Tun-Addr-Policy	0	0	0-1	0	0	0
SN1-Tunnel-ISAKMP-Crypto-Map	0	0	0-1	0	0	0
SN1-Tunnel-ISAKMP-Secret	0	0	0-1	0	0	0
SN1-Tunnel-Load-Balancing	0	0	0-1	0	0	0
SN1-Unclassify-List-Name	0	0	0-1	0	0	0
SN1-Voice-Push-List-Name	0	0	0-1	0	0	0
SN1-VPN-ID	0	0	0-1	0-1	0-1	0-1
SN1-VPN-Name	0	0	1	0-1	0-1	0-1
SN-Access-link-IP-Frag	0	0	0-1	0	0	0
SN-Acs-Credit-Control-Group	0	0	0-1	0-1	0-1	0-1
SN-Admin-Permission	0	0	0-1	0	0	0
SN-Assigned-VLAN-ID	0	0	0-1	0-1	0-1	0-1
SN-Bandwidth-Policy	0	0	1	0	0	0
SN-CBB-Policy	0	0	1	0	0	0
SN-CFPolicy-ID	0	0	0-1	0	0	0
SN-Congestion-Mgmt-Policy	0	0	0-1	0	0	0
SN-Data-Tunnel-Ignore-DF-Bit	0	0	0-1	0	0	0
SN-DHCP-Lease-Expiry-Policy	0	0	0-1	0	0	0
SN-Disconnect-Reason	0	0	0	0	0	1
SN-DNS-Proxy-Intercept-List	0	0	1	0	0	0
SN-DNS-Proxy-Use-Subscr-Addr	0	0	1	0	0	0
SN-Enable-QoS-Renegotiation	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Context	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Down-Addr	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Down-VLAN	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Preference	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Up-Addr	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Up-VLAN	0	0	0-1	0	0	0
SN-Firewall-Enabled	0	0	0	1	1	1
SN-Firewall-Policy	0	0	1	0	0	0
SN-FMC-Location	0	0	0	0-1	0-1	0-1
SN-Gratuitous-ARP-Aggressive	0	0	0-1	0	0	0
SN-Ignore-Unknown-HA-Addr-Error	0	0	0-1	0	0	0
SN-IMS-AM-Address	0	0	0-1	0	0	0
SN-IMS-AM-Domain-Name	0	0	0-1	0	0	0
SN-Inactivity-Time	0	0	0-1	0	0	0
SN-IP-Filter-In	0	0	0+	0	0	0
SN-IP-Filter-Out	0	0	0+	0	0	0
SN-IP-Hide-Service-Address	0	0	0-1	0	0	0
SN-IP-Pool-Name	0	0	0+	0	0	0
SN-IP-Source-Validation	0	0	0-1	0	0	0
SN-IP-Source-Violate-No-Acct	0	0	0-1	0	0	0
SN-IPv6-Sec-Pool	0	0	0+	0	0	0
SN-IPv6-Sec-Prefix	0	0	0+	0	0	0
SN-L3-to-L2-Tun-Addr-Policy	0	0	0-1	0	0	0
SN-LI-Dest-Address	0	0	0+	0	0	0
SN-Local-IP-Address	0-1	0	0-1	1	1	1
SN-Long-Duration-Action	0	0	0-1	0	0	0
SN-Long-Duration-Notification	0	0	0-1	0	0	0

Attribute	HA Access-Request	HA Access-Reject	HA Access-Accept	HA Acct-Request-Start	HA Acct-Request-Interim	HA Acct-Request-Stop
SN-Long-Duration-Timeout	0	0	0-1	0	0	0
SN-MIP-ANCID	0	0	0	0-1	0-1	0-1
SN-MIP-Dual-Anchor	0	0	0-1	0	0	0
SN-MIP-HA-Assignment-Table	0	0	1	0	0	0
SN-MIP-MIN-Reg-Lifetime-Realm	0	0	0-1	0	0	0
SN-MIP-Reg-Lifetime-Realm	0	0	0-1	0	0	0
SN-MN-HA-Timestamp-Tolerance	0	0	0-1	0	0	0
SN-NPU-Qos-Priority	0	0	0-1	0	0	0
SN-Nw-Reachability-Server-Name	0	0	0-1	0	0	0
SN-Overload-Disc-Connect-Time	0	0	0-1	0	0	0
SN-Overload-Disc-Inact-Time	0	0	0-1	0	0	0
SN-Overload-Disconnect	0	0	0-1	0	0	0
SN-PDSN-Correlation-Id	0	0	0	0-1	0-1	0-1
SN-PDSN-NAS-Id	0	0	0	0-1	0-1	0-1
SN-PDSN-NAS-IP-Address	0	0	0	0-1	0-1	0-1
SN-Permit-User-Mcast-PDUs	0	0	0-1	0	0	0
SN-Prepaid	0	0	0-1	0	0	0
SN-Prepaid-Compressed-Count	0-1	0	0-1	0	0	0
SN-Prepaid-Final-Duration-Alg	0	0	0-1	0	0	0
SN-Prepaid-Inbound-Octets	0-1	0	0-1	0	0	0
SN-Prepaid-Outbound-Octets	0-1	0	0-1	0	0	0
SN-Prepaid-Preference	0	0	0-1	0	0	0
SN-Prepaid-Timeout	0-1	0	0-1	0	0	0
SN-Prepaid-Total-Octets	0-1	0	0-1	0	0	0
SN-Prepaid-Watermark	0-1	0	0-1	0	0	0
SN-Primary-DCCA-Peer	0	0	0-1	0	0	0
SN-Primary-DNS-Server	0	0	0-1	1	1	1
SN-Primary-NBNS-Server	0	0	0-1	1	1	1
SN-QoS-Background-Class	0	0	0-1	0	0	0
SN-QoS-Conversation-Class	0	0	0-1	0	0	0
SN-QoS-Interactive1-Class	0	0	0-1	0	0	0
SN-QoS-Interactive2-Class	0	0	0-1	0	0	0
SN-QoS-Interactive3-Class	0	0	0-1	0	0	0
SN-QoS-Renegotiation-Timeout	0	0	0-1	0	0	0
SN-QoS-Streaming-Class	0	0	0-1	0	0	0
SN-QoS-Tp-Dnlk	0	0	0-1	0	0	0
SN-QoS-Tp-Uplk	0	0	0-1	0	0	0
SN-Re-CHAP-Interval	0	0	0-1	0-1	0-1	0-1
SN-Rulebase	0	0	0-1	1	1	1
SN-Secondary-DCCA-Peer	0	0	0-1	0	0	0
SN-Secondary-DNS-Server	0	0	0-1	1	1	1
SN-Secondary-NBNS-Server	0	0	0-1	1	1	1
SN-Service-Address	0-1	0	0	0	0	0
SN-Subscriber-Accounting	0	0	0-1	1	1	1
SN-Subscriber-Acct-Interim	0	0	0-1	0	0	0
SN-Subscriber-Acct-Mode	0	0	0-1	0	0	0
SN-Subscriber-Acct-Rsp-Action	0	0	0-1	0	0	0
SN-Subscriber-Acct-Start	0	0	0-1	0	0	0
SN-Subscriber-Acct-Stop	0	0	0-1	0	0	0
SN-Subscriber-Class	0	0	0-1	0-1	0-1	0-1
SN-Subscriber-IP-TOS-Copy	0	0	0-1	0	0	0

Attribute	HA Access-Request	HA Access-Reject	HA Access-Accept	HA Acct-Request-Start	HA Acct-Request-Interim	HA Acct-Request-Stop
SN-Subscriber-Nexthop-Address	0	0	0-1	1	1	1
SN-Subscriber-No-Interims	0	0	0-1	0	0	0
SN-Subscriber-Permission	0	0	0-1	0	0	0
SN-Subs-IMSA-Service-Name	0	0	0-1	0	0	0
SN-Tp-Dnlk-Burst-Size	0	0	0-1	0	0	0
SN-Tp-Dnlk-Committed-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Dnlk-Exceed-Action	0	0	0-1	0	0	0
SN-Tp-Dnlk-Peak-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Dnlk-Violate-Action	0	0	0-1	0	0	0
SN-TPO-Policy	0	0	0-1	0	0	0
SN-Tp-Uplk-Burst-Size	0	0	0-1	0	0	0
SN-Tp-Uplk-Committed-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Uplk-Exceed-Action	0	0	0-1	0	0	0
SN-Tp-Uplk-Peak-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Uplk-Violate-Action	0	0	0-1	0	0	0
SN-TrafficSelector-Class	0	0	0-1	0	0	0
SN-Tun-Addr-Policy	0	0	0-1	0	0	0
SN-Tunnel-ISAKMP-Crypto-Map	0	0	0-1	0	0	0
SN-Tunnel-ISAKMP-Secret	0	0	0-1	0	0	0
SN-Tunnel-Load-Balancing	0	0	0-1	0	0	0
SN-Unclassify-List-Name	0	0	0-1	0	0	0
SN-Voice-Push-List-Name	0	0	0-1	0	0	0
SN-VPN-ID	0	0	0-1	0-1	0-1	0-1
SN-VPN-Name	0	0	1	0-1	0-1	0-1
SN-WiMAX-Auth-Only	0	0	0-1	0	0	0
State	1	0	0-1	0	0	0
Tunnel-Assignment-ID	0	0	0-1	1	1	1
Tunnel-Client-Auth-ID	0	0	0-1	1	1	1
Tunnel-Client-Endpoint	0	0	0-1	1	1	1
Tunnel-Medium-Type	0	0	0-1	1	1	1
Tunnel-Preference	0	0	0-1	0	0	0
Tunnel-Private-Group-ID	0	0	0-1	1	1	1
Tunnel-Server-Auth-ID	0	0	0-1	1	1	1
Tunnel-Server-Endpoint	0	0	0-1	1	1	1
Tunnel-Type	0	0	0-1	1	1	1
User-Name	1	0	0-1	1	1	1

GGSN Attribute/Packet Table

Attribute	GGSN Access-Request	GGSN Access-Reject	GGSN Access-Accept	GGSN Acct-Request-Start	GGSN Acct-Request-Interim	GGSN Acct-Request-Stop
3GPP2-BSID	0	0	0	0-1	0-1	0-1
3GPP-Allocate-IPType	0-1	0	0	0	0	0
3GPP-CAMEL-Charging-Info	0-1	0	0	0-1	0-1	0-1
3GPP-CG-Address	0-1	0	0	0-1	0-1	0-1
3GPP-Charging-Id	0-1	0	0	0-1	0-1	0-1
3GPP-Chrg-Char	0-1	0-1	0-1	0-1	0-1	0-1
3GPP-GGSN-Address	0-1	0	0	0-1	0-1	0-1
3GPP-GGSN-IPv6-Address	0-1	0	0	0-1	0-1	0-1
3GPP-GGSN-Mcc-Mnc	0-1	0	0	0-1	0-1	0-1
3GPP-IMEISV	0-1	0	0	0-1	0-1	0-1
3GPP-IMSI	0-1	0	0	0-1	0-1	0-1
3GPP-IMSI-Mcc-Mnc	0-1	0	0	0-1	0-1	0-1
3GPP-IPv6-DNS-Servers	0	0	0-1	0	0	0
3GPP-MS-TimeZone	0-1	0	0	0-1	0-1	0-1
3GPP-Negotiated-DSCP	0-1	0	0	0-1	0-1	0-1
3GPP-Negotiated-QoS-Profile	0-1	0	0	0-1	0-1	0-1
3GPP-NSAPI	0-1	0	0	0-1	0-1	0-1
3GPP-PDP-Type	0-1	0	0	0-1	0-1	0-1
3GPP-RAT-Type	0-1	0	0	0-1	0-1	0-1
3GPP-Selection-Mode	0-1	0	0	0-1	0-1	0-1
3GPP-Session-Stop-Ind	0	0	0	0	0	0-1
3GPP-SGSN-Address	0-1	0	0	0-1	0-1	0-1
3GPP-SGSN-IPv6-Address	0-1	0	0	0-1	0-1	0-1
3GPP-SGSN-Mcc-Mnc	0-1	0	0	0-1	0-1	0-1
3GPP-User-Location-Info	0-1	0	0	0-1	0-1	0-1
Acct-Authentic	0	0	0	1	1	1
Acct-Input-Packets	0-1	0	0	0	0	0-1
Acct-Interim-Interval	0	0	0-1	0	0	0
Acct-Multi-Session-Id	0	0	0	1	1	1
Acct-Output-Packets	0-1	0	0	0	0	0-1
Acct-Session-Id	0-1	0	0	1	1	1
Callback-Id	0	0-1	0-1	0	0	0
Called-Station-ID	1	0	0	1	1	1
Calling-Station-Id	0-1	0	0	0-1	0-1	0-1
CHAP-Challenge	0-1	0	0	0	0	0
Class	0	0	0+	0-1	0-1	0-1
CUI	0	0	0-1	0-1	0-1	0-1
Delegated-IPv6-Prefix	0+	0	0+	0+	0+	0+
EAP-Message	0+	1	0+	0	0	0
Error-Cause	0	0-1	0	0	0	0
Framed-Compression	0	0	0-1	0-1	0-1	0-1
Framed-Interface-Id	0-1	0	0-1	0-1	0-1	0-1
Framed-IP-Address	0-1	0	1	0-1	0-1	0-1
Framed-IP-Netmask	0	0	0	0-1	0-1	0-1
Framed-IPv6-Prefix	0+	0	0+	0+	0+	0+
Framed-MTU	0-1	0	0-1	0-1	0-1	0-1
Framed-Protocol	0-1	0	0-1	0-1	0-1	0-1

Attribute	GGSN Access-Request	GGSN Access-Reject	GGSN Access-Accept	GGSN Acct-Request-Start	GGSN Acct-Request-Interim	GGSN Acct-Request-Stop
Geographical-Location	0-1	0	0	0	0	0
HNB-Internet-Information	0-1	0	0	0	0	0
HNB-Parameters	1	0	0	0	0	0
Idle-Timeout	0	0	0-1	0	0	0
Macro-Coverage-Information	0-1	0	0	0	0	0
NAS-Port-Type	0-1	0	0	0-1	0	0-1
Presence	0	0	1	0	0	0
Primary-DNS-Server	0	0	0-1	0	0	0
Reject-Cause	0	1	0	0	0	0
Reply-Message	0	0-1	0-1	0	0	0
Secondary-DNS-Server	0	0	0-1	0	0	0
Service-Type	0-1	0	0-1	0-1	0	0-1
Session-Timeout	0-1	0	0-1	0	0	0
SN1-Access-link-IP-Frag	0	0	0-1	0	0	0
SN1-Assigned-VLAN-ID	0	0	0-1	0-1	0-1	0-1
SN1-CFPolicy-ID	0	0	0-1	0	0	0
SN1-Data-Tunnel-Ignore-DF-Bit	0	0	0-1	0	0	0
SN1-DHCP-Lease-Expiry-Policy	0	0	0-1	0	0	0
SN1-Disconnect-Reason	0	0	0	0	0-1	0-1
SN1-DNS-Proxy-Intercept-List	0	0	1	0	0	0
SN1-DNS-Proxy-Use-Subscr-Addr	0	0	1	0	0	0
SN1-Ecs-Data-Volume	0	0	0	0-1	0-1	0-1
SN1-Enable-QoS-Renegotiation	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Context	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Down-Addr	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Down-VLAN	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Preference	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Up-Addr	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Up-VLAN	0	0	0-1	0	0	0
SN1-Firewall-Enabled	0	0	0	1	1	1
SN1-GTP-Version	0-1	0	0	0-1	0-1	0-1
SN1-Home-Behavior	0	0	0-1	0	0	0
SN1-Home-Profile	0	0	0-1	0	0	0
SN1-Home-Sub-Use-GGSN	0	0	0-1	0	0	0
SN1-Inactivity-Time	0	0	0-1	0	0	0
SN1-IP-Filter-In	0	0	0+	0	0	0
SN1-IP-Filter-Out	0	0	0+	0	0	0
SN1-IP-Hide-Service-Address	0	0	0-1	0	0	0
SN1-IP-In-Plcy-Grp	0	0	0-1	0	0	0
SN1-IP-Out-Plcy-Grp	0	0	0-1	0	0	0
SN1-IP-Source-Validation	0	0	0-1	0	0	0
SN1-IP-Source-Violate-No-Acct	0	0	0-1	0	0	0
SN1-IPv6-DNS-Proxy	0	0	0-1	0	0	0
SN1-IPv6-Egress-Filtering	0	0	0-1	0	0	0
SN1-IPv6-Min-Link-MTU	0	0	0-1	0	0	0
SN1-IPv6-num-rtr-advt	0	0	0-1	0	0	0
SN1-IPv6-Primary-DNS	0	0	0-1	0	0	0
SN1-IPv6-rtr-advt-interval	0	0	0-1	0	0	0
SN1-IPv6-Secondary-DNS	0	0	0-1	0	0	0
SN1-IPv6-Sec-Pool	0	0	0+	0	0	0
SN1-IPv6-Sec-Prefix	0	0	0+	0	0	0

Attribute	GGSN Access-Request	GGSN Access-Reject	GGSN Access-Accept	GGSN Acct-Request-Start	GGSN Acct-Request-Interim	GGSN Acct-Request-Stop
SN1-L3-to-L2-Tun-Addr-Policy	0	0	0-1	0	0	0
SN1-Local-IP-Address	0-1	0	0-1	1	1	1
SN1-Long-Duration-Action	0	0	0-1	0	0	0
SN1-Long-Duration-Notification	0	0	0-1	0	0	0
SN1-Long-Duration-Timeout	0	0	0-1	0	0	0
SN1-Mediation-Acct-Rsp-Action	0	0	0-1	1	1	1
SN1-Mediation-Enabled	0	0	0-1	1	1	1
SN1-Mediation-No-Interims	0	0	0-1	1	1	1
SN1-Mediation-VPN-Name	0	0	0-1	1	1	1
SN1-Min-Compress-Size	0	0	0-1	0	0	0
SN1-MIP-HA-Assignment-Table	0	0	1	0	0	0
SN1-NPU-Qos-Priority	0	0	0-1	0	0	0
SN1-Overload-Disc-Connect-Time	0	0	0-1	0	0	0
SN1-Overload-Disc-Inact-Time	0	0	0-1	0	0	0
SN1-Overload-Disconnect	0	0	0-1	0	0	0
SN1-Permit-User-Mcast-PDUs	0	0	0-1	0	0	0
SN1-PPP-Accept-Peer-v6Ifid	0	0	0-1	0	0	0
SN1-PPP-Always-On-Vse	0	0	0-1	0	0	0
SN1-PPP-Data-Compression	0	0	0-1	0-1	0-1	0-1
SN1-PPP-Data-Compression-Mode	0	0	0-1	0-1	0-1	0-1
SN1-PPP-Keepalive	0	0	0-1	0	0	0
SN1-PPP-NW-Layer-IPv4	0	0	0-1	0	0	0
SN1-PPP-NW-Layer-IPv6	0	0	0-1	0	0	0
SN1-PPP-Outbound-Username	0	0	0-1	0	0	0
SN1-PPP-Reneg-Disc	0	0	0-1	0	0	0
SN1-Primary-DCCA-Peer	0	0	0-1	0-1	0-1	0-1
SN1-Primary-DNS-Server	0	0	0-1	0	0	0
SN1-Primary-NBNS-Server	0	0	0-1	0	0	0
SN1-QoS-Background-Class	0	0	0-1	0	0	0
SN1-QoS-Conversation-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive1-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive2-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive3-Class	0	0	0-1	0	0	0
SN1-QoS-Renegotiation-Timeout	0	0	0-1	0	0	0
SN1-QoS-Streaming-Class	0	0	0-1	0	0	0
SN1-QoS-Tp-Dnlk	0	0	0-1	0	0	0
SN1-QoS-Tp-Uplk	0	0	0-1	0	0	0
SN1-Radius-Returned-Username	0	0	0-1	0	0	0
SN1-Re-CHAP-Interval	0	0	0-1	0	0	0
SN1-Roaming-Behavior	0	0	0-1	0	0	0
SN1-Roaming-Profile	0	0	0-1	0	0	0
SN1-Roaming-Sub-Use-GGSN	0	0	0-1	0	0	0
SN1-ROHC-Flow-Marking-Mode	0	0	0-1	0	0	0
SN1-ROHC-Profile-Name	0	0	0-1	0	0	0
SN1-Rulebase	0	0	0-1	1	1	1
SN1-Secondary-DCCA-Peer	0	0	0-1	0	0	0
SN1-Secondary-DNS-Server	0	0	0-1	0	0	0
SN1-Secondary-NBNS-Server	0	0	0-1	0	0	0
SN1-Subs-Acc-Flow-Traffic-Valid	0	0	0-1	0	0	0
SN1-Subscriber-Accounting	0	0	0-1	1	1	1
SN1-Subscriber-Acct-Interim	0	0	0-1	0	0	0

Attribute	GGSN Access-Request	GGSN Access-Reject	GGSN Access-Accept	GGSN Acct-Request-Start	GGSN Acct-Request-Interim	GGSN Acct-Request-Stop
SN1-Subscriber-Acct-Mode	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Rsp-Action	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Start	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Stop	0	0	0-1	0	0	0
SN1-Subscriber-Dormant-Activity	0	0	0-1	0	0	0
SN1-Subscriber-IP-Hdr-Neg-Mode	0	0	0-1	0	0	0
SN1-Subscriber-IP-TOS-Copy	0	0	0-1	0	0	0
SN1-Subscriber-Nexthop-Address	0	0	0-1	1	1	1
SN1-Subscriber-No-Interims	0	0	0-1	0	0	0
SN1-Subscriber-Permission	0	0	0-1	0	0	0
SN1-Subs-IMSA-Service-Name	0	0	0-1	0	0	0
SN1-Subs-VJ-Slotid-Cmp-Neg-Mode	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Burst-Size	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Committed-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Exceed-Action	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Peak-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Violate-Action	0	0	0-1	0	0	0
SN1-Tp-Uplk-Burst-Size	0	0	0-1	0	0	0
SN1-Tp-Uplk-Committed-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Uplk-Exceed-Action	0	0	0-1	0	0	0
SN1-Tp-Uplk-Peak-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Uplk-Violate-Action	0	0	0-1	0	0	0
SN1-Transparent-Data	0	0	0-1	0-1	0-1	0-1
SN1-Tun-Addr-Policy	0	0	0-1	0	0	0
SN1-Tunnel-Gn	0	0	0-1	1	1	1
SN1-Tunnel-ISAKMP-Crypto-Map	0	0	0-1	0	0	0
SN1-Tunnel-ISAKMP-Secret	0	0	0-1	0	0	0
SN1-Tunnel-Load-Balancing	0	0	0-1	0	0	0
SN1-Virtual-APN-Name	0-1	0	0-1	0-1	0-1	0-1
SN1-Visiting-Behavior	0	0	0-1	0	0	0
SN1-Visiting-Profile	0	0	0-1	0	0	0
SN1-Visiting-Sub-Use-GGSN	0	0	0-1	0	0	0
SN1-VPN-ID	0	0	0-1	0-1	0-1	0-1
SN1-VPN-Name	0	0	1	0-1	0-1	0-1
SN-Access-link-IP-Frag	0	0	0-1	0	0	0
SN-Acs-Credit-Control-Group	0	0	0-1	0-1	0-1	0-1
SN-Assigned-VLAN-ID	0	0	0-1	0-1	0-1	0-1
SN-Bandwidth-Policy	0	0	1	0	0	0
SN-CBB-Policy	0	0	1	0	0	0
SN-CFPolicy-ID	0	0	0-1	0	0	0
SN-Congestion-Mgmt-Policy	0	0	0-1	0	0	0
SN-Data-Tunnel-Ignore-DF-Bit	0	0	0-1	0	0	0
SN-DHCP-Lease-Expiry-Policy	0	0	0-1	0	0	0
SN-Disconnect-Reason	0	0	0	0	0-1	0-1
SN-DNS-Proxy-Intercept-List	0	0	1	0	0	0
SN-DNS-Proxy-Use-Subscr-Addr	0	0	1	0	0	0
SN-Ecs-Data-Volume	0	0	0	0-1	0-1	0-1
SN-Enable-QoS-Renegotiation	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Context	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Down-Addr	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Down-VLAN	0	0	0-1	0	0	0

Attribute	GGSN Access-Request	GGSN Access-Reject	GGSN Access-Accept	GGSN Acct-Request-Start	GGSN Acct-Request-Interim	GGSN Acct-Request-Stop
SN-Ext-Inline-Srvr-Preference	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Up-Addr	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Up-VLAN	0	0	0-1	0	0	0
SN-Fast-Reauth-Username	0	0	0-1	0	0	0
SN-Firewall-Enabled	0	0	0	1	1	1
SN-Firewall-Policy	0	0	1	0	0	0
SN-GTP-Version	0-1	0	0	0-1	0-1	0-1
SN-Home-Behavior	0	0	0-1	0	0	0
SN-Home-Profile	0	0	0-1	0	0	0
SN-Home-Sub-Use-GGSN	0	0	0-1	0	0	0
SN-Inactivity-Time	0	0	0-1	0	0	0
SN-IP-Filter-In	0	0	0+	0	0	0
SN-IP-Filter-Out	0	0	0+	0	0	0
SN-IP-Hide-Service-Address	0	0	0-1	0	0	0
SN-IP-In-Plcy-Grp	0	0	0-1	0	0	0
SN-IP-Out-Plcy-Grp	0	0	0-1	0	0	0
SN-IP-Source-Validation	0	0	0-1	0	0	0
SN-IP-Source-Violate-No-Acct	0	0	0-1	0	0	0
SN-IPv6-DNS-Proxy	0	0	0-1	0	0	0
SN-IPv6-Egress-Filtering	0	0	0-1	0	0	0
SN-IPv6-Min-Link-MTU	0	0	0-1	0	0	0
SN-IPv6-num-rtr-advt	0	0	0-1	0	0	0
SN-IPv6-Primary-DNS	0	0	0-1	0	0	0
SN-IPv6-rtr-advt-interval	0	0	0-1	0	0	0
SN-IPv6-Secondary-DNS	0	0	0-1	0	0	0
SN-IPv6-Sec-Pool	0	0	0+	0	0	0
SN-IPv6-Sec-Prefix	0	0	0+	0	0	0
SN-L3-to-L2-Tun-Addr-Policy	0	0	0-1	0	0	0
SN-Local-IP-Address	0-1	0	0-1	1	1	1
SN-Long-Duration-Action	0	0	0-1	0	0	0
SN-Long-Duration-Notification	0	0	0-1	0	0	0
SN-Long-Duration-Timeout	0	0	0-1	0	0	0
SN-Mediation-Acct-Rsp-Action	0	0	0-1	1	1	1
SN-Mediation-Enabled	0	0	0-1	1	1	1
SN-Mediation-No-Interims	0	0	0-1	1	1	1
SN-Mediation-VPN-Name	0	0	0-1	1	1	1
SN-Min-Compress-Size	0	0	0-1	0	0	0
SN-MIP-HA-Assignment-Table	0	0	1	0	0	0
SN-NPU-Qos-Priority	0	0	0-1	0	0	0
SN-Overload-Disc-Connect-Time	0	0	0-1	0	0	0
SN-Overload-Disc-Inact-Time	0	0	0-1	0	0	0
SN-Overload-Disconnect	0	0	0-1	0	0	0
SN-Permit-User-Mcast-PDUs	0	0	0-1	0	0	0
SN-PPP-Accept-Peer-v6Ifid	0	0	0-1	0	0	0
SN-PPP-Always-On-Vse	0	0	0-1	0	0	0
SN-PPP-Data-Compression	0	0	0-1	0-1	0-1	0-1
SN-PPP-Data-Compression-Mode	0	0	0-1	0-1	0-1	0-1
SN-PPP-Keepalive	0	0	0-1	0	0	0
SN-PPP-NW-Layer-IPv4	0	0	0-1	0	0	0
SN-PPP-NW-Layer-IPv6	0	0	0-1	0	0	0
SN-PPP-Outbound-Username	0	0	0-1	0	0	0

Attribute	GGSN Access-Request	GGSN Access-Reject	GGSN Access-Accept	GGSN Acct-Request-Start	GGSN Acct-Request-Interim	GGSN Acct-Request-Stop
SN-PPP-Reneg-Disc	0	0	0-1	0	0	0
SN-Primary-DCCA-Peer	0	0	0-1	0-1	0-1	0-1
SN-Primary-DNS-Server	0	0	0-1	0	0	0
SN-Primary-NBNS-Server	0	0	0-1	0	0	0
SN-Pseudonym-Username	0	0	0-1	0	0	0
SN-QoS-Background-Class	0	0	0-1	0	0	0
SN-QoS-Conversation-Class	0	0	0-1	0	0	0
SN-QoS-Interactive1-Class	0	0	0-1	0	0	0
SN-QoS-Interactive2-Class	0	0	0-1	0	0	0
SN-QoS-Interactive3-Class	0	0	0-1	0	0	0
SN-QoS-Renegotiation-Timeout	0	0	0-1	0	0	0
SN-QoS-Streaming-Class	0	0	0-1	0	0	0
SN-QoS-Tp-Dnlk	0	0	0-1	0	0	0
SN-QoS-Tp-Uplk	0	0	0-1	0	0	0
SN-Radius-Returned-Username	0	0	0-1	0	0	0
SN-Re-CHAP-Interval	0	0	0-1	0	0	0
SN-Roaming-Behavior	0	0	0-1	0	0	0
SN-Roaming-Profile	0	0	0-1	0	0	0
SN-Roaming-Sub-Use-GGSN	0	0	0-1	0	0	0
SN-ROHC-Flow-Marking-Mode	0	0	0-1	0	0	0
SN-ROHC-Profile-Name	0	0	0-1	0	0	0
SN-Rulebase	0	0	0-1	1	1	1
SN-Secondary-DCCA-Peer	0	0	0-1	0	0	0
SN-Secondary-DNS-Server	0	0	0-1	0	0	0
SN-Secondary-NBNS-Server	0	0	0-1	0	0	0
SN-Subs-Acc-Flow-Traffic-Valid	0	0	0-1	0	0	0
SN-Subscriber-Accounting	0	0	0-1	1	1	1
SN-Subscriber-Acct-Interim	0	0	0-1	0	0	0
SN-Subscriber-Acct-Mode	0	0	0-1	0	0	0
SN-Subscriber-Acct-Rsp-Action	0	0	0-1	0	0	0
SN-Subscriber-Acct-Start	0	0	0-1	0	0	0
SN-Subscriber-Acct-Stop	0	0	0-1	0	0	0
SN-Subscriber-Dormant-Activity	0	0	0-1	0	0	0
SN-Subscriber-IP-Hdr-Neg-Mode	0	0	0-1	0	0	0
SN-Subscriber-IP-TOS-Copy	0	0	0-1	0	0	0
SN-Subscriber-Nexthop-Address	0	0	0-1	1	1	1
SN-Subscriber-No-Interims	0	0	0-1	0	0	0
SN-Subscriber-Permission	0	0	0-1	0	0	0
SN-Subs-IMSA-Service-Name	0	0	0-1	0	0	0
SN-Subs-VJ-Slotid-Cmp-Neg-Mode	0	0	0-1	0	0	0
SN-Tp-Dnlk-Burst-Size	0	0	0-1	0	0	0
SN-Tp-Dnlk-Committed-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Dnlk-Exceed-Action	0	0	0-1	0	0	0
SN-Tp-Dnlk-Peak-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Dnlk-Violate-Action	0	0	0-1	0	0	0
SN-TPO-Policy	0	0	0-1	0	0	0
SN-Tp-Uplk-Burst-Size	0	0	0-1	0	0	0
SN-Tp-Uplk-Committed-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Uplk-Exceed-Action	0	0	0-1	0	0	0
SN-Tp-Uplk-Peak-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Uplk-Violate-Action	0	0	0-1	0	0	0

Attribute	GGSN Access-Request	GGSN Access-Reject	GGSN Access-Accept	GGSN Acct-Request-Start	GGSN Acct-Request-Interim	GGSN Acct-Request-Stop
SN-Transparent-Data	0	0	0-1	0-1	0-1	0-1
SN-Tun-Addr-Policy	0	0	0-1	0	0	0
SN-Tunnel-Gn	0	0	0-1	1	1	1
SN-Tunnel-ISAKMP-Crypto-Map	0	0	0-1	0	0	0
SN-Tunnel-ISAKMP-Secret	0	0	0-1	0	0	0
SN-Tunnel-Load-Balancing	0	0	0-1	0	0	0
SN-Virtual-APN-Name	0-1	0	0-1	0-1	0-1	0-1
SN-Visiting-Behavior	0	0	0-1	0	0	0
SN-Visiting-Profile	0	0	0-1	0	0	0
SN-Visiting-Sub-Use-GGSN	0	0	0-1	0	0	0
SN-VPN-ID	0	0	0-1	0-1	0-1	0-1
SN-VPN-Name	0	0	1	0-1	0-1	0-1
State	1	0	0-1	0	0	0
Tunnel-Assignment-ID	0	0	0-1	1	1	1
Tunnel-Client-Auth-ID	0	0	0-1	1	1	1
Tunnel-Client-Endpoint	0	0	0-1	1	1	1
Tunnel-Medium-Type	0	0	0-1	1	1	1
Tunnel-Preference	0	0	0-1	0	0	0
Tunnel-Private-Group-ID	0	0	0-1	1	1	1
Tunnel-Server-Auth-ID	0	0	0-1	1	1	1
Tunnel-Server-Endpoint	0	0	0-1	1	1	1
Tunnel-Type	0	0	0-1	1	1	1
User-Name	1	0	0-1	0-1	0	0-1
User-Password	0-1	0	0	0	0	0
White-List	0	0	1	0	0	0
WiMAX-BS-ID	0	0	0	0-1	0-1	0-1
WiMAX-Home-HNP-PMIP6	0+	0	0+	0+	0+	0+
WiMAX-Home-IPv4-HoA-PMIP6	0-1	0	1	0-1	0-1	0-1
WiMAX-Prepaid-Indicator	0	0	0	0-1	0-1	0-1

WIMAX Attribute/Packet Table

Attribute	WIMAX Access-Request	WIMAX Access-Reject	WIMAX Access-Accept	WIMAX Acct-Request-Start	WIMAX Acct-Request-Interim	WIMAX Acct-Request-Stop
3GPP2-Active-Time	0	0	0	0	0-1	0-1
3GPP2-Beginning-Session	0	0	0	1	0	0
3GPP2-BSID	0-1	0	0	0-1	0-1	0-1
3GPP2-IP-QOS	0	0	0-1	0	0	0
3GPP2-IP-Technology	0	0	0	1	1	1
3GPP2-MIP-Sig-Octet-Count-In	0	0	0	0	0-1	0-1
3GPP2-MIP-Sig-Octet-Count-Out	0	0	0	0	0-1	0-1
3GPP2-MN-HA-Shared-Key	0	0	0-1	0	0	0
3GPP2-MN-HA-SPI	0	0	0-1	0	0	0
3GPP2-Session-Continue	0	0	0	1	0	1
AAA-Session-ID	0-1	0-1	1	0	0	0
Acct-Authentic	0	0	0	0-1	0-1	0-1
Acct-Input-Packets	0	0	0	0	0-1	0-1
Acct-Interim-Interval	0	0	0	0-1	0-1	0-1
Acct-Multi-Session-Id	0	0	0	1	1	1
Acct-Output-Packets	0	0	0	0	0-1	0-1
Acct-Session-Id	0	0	0	1	1	1
Calling-Station-Id	1	0	0	1	1	1
Class	0	0	0-1	0-1	0-1	0-1
Connect-Info	1	0	0-1	1	1	1
CUI	0-1	0	0-1	0-1	0-1	0-1
Delegated-IPv6-Prefix	0	0	0	0-1	0-1	0-1
DHCPMSG-Server-IP	0	0	0-1	0	0	0
DHCP-RK	0	0	0-1	0	0	0
DHCP-RK-Key-ID	0	0	0-1	0	0	0
DHCP-RK-Lifetime	0	0	0-1	0	0	0
EAP-Message	1+	1+	1+	0	0	0
Error-Cause	0	0-1	0	0	0	0
Framed-Interface-Id	0	0	0	0-1	0-1	0-1
Framed-IP-Address	0	0	0-1	1	1	1
Framed-IP-Netmask	0	0	0	0-1	0-1	0-1
Framed-IPv6-Prefix	0	0	0	0-1	0-1	0-1
Framed-MTU	0-1	0	0	0	0	0
HA-IP-MIP4	0	0	0	1	1	1
HA-IP-MIP6	0	0	0	1	1	1
Hotline-Indicator	0	0	0-1	0-1	0-1	0-1
Hotline-Profile-ID	0	0	0-1	0	0	0
Hotline-Session-Timer	0	0	0-1	0	0	0
HTTP-Redirection-Rule	0	0	0+	0	0	0
IP-Redirection-Rule	0	0	0+	0	0	0
MSK	0	0	0-1	0	0	0
NAS-Port-Type	0	0	0	0-1	0-1	0-1
PMIP6-RK-KEY	0	0	0-1	0	0	0
PMIP6-RK-SPI	0	0	0-1	0	0	0
PMIP6-Service-Info	0-1	0	0-1	0	0	0
Primary-DNS-Server	0	0	0	0-1	0-1	0-1
Reply-Message	0	0-1	0-1	0	0	0

Attribute	WIMAX Access-Request	WIMAX Access-Reject	WIMAX Access-Accept	WIMAX Acct-Request-Start	WIMAX Acct-Request-Interim	WIMAX Acct-Request-Stop
Secondary-DNS-Server	0	0	0	0-1	0-1	0-1
Service-Type	0	0	0	0-1	0-1	0-1
Session-Timeout	0	0-1	0-1	0	0	0
SN1-Disconnect-Reason	0	0	0	0	0	1
SN1-Prepaid-Compressed-Count	0	0	0	0	0-1	0-1
SN1-Primary-DNS-Server	0	0	0	0-1	0-1	0-1
SN1-Proxy-MIP	0	0	0	0-1	0-1	0-1
SN1-Secondary-DNS-Server	0	0	0	0-1	0-1	0-1
SN1-Subscriber-Accounting	0	0	0	1	1	1
SN1-VPN-ID	0	0	0-1	0-1	0-1	0-1
SN1-VPN-Name	0	0	0-1	0-1	0-1	0-1
SN-DHCP-Options	0	0	0-1	0	0	0
SN-Disconnect-Reason	0	0	0	0	0	1
SN-Handoff-Indicator	0	0	0	0	0-1	0
SN-Prepaid-Compressed-Count	0	0	0	0	0-1	0-1
SN-Primary-DNS-Server	0	0	0	0-1	0-1	0-1
SN-Proxy-MIP	0	0	0	0-1	0-1	0-1
SN-Secondary-DNS-Server	0	0	0	0-1	0-1	0-1
SN-Subscriber-Accounting	0	0	0	1	1	1
SN-VPN-ID	0	0	0-1	0-1	0-1	0-1
SN-VPN-Name	0	0	0-1	0-1	0-1	0-1
SN-WiMAX-Auth-Only	0	0	0-1	0	0	0
State	0-1	0-1	0-1	0	0	0
User-Name	1	0	0-1	1	1	1
WiMAX-Active-Time	0	0	0	0	0-1	0-1
WiMAX-Beginning-Of-Session	0	0	0	1	0	0
WiMAX-BS-ID	0-1	0	0	0-1	0-1	0-1
WiMAX-Control-Octets-In	0	0	0	0	0-1	0-1
WiMAX-Control-Octets-Out	0	0	0	0	0-1	0-1
WiMAX-Control-Packets-In	0	0	0	0	0-1	0-1
WiMAX-Control-Packets-Out	0	0	0	0	0-1	0-1
WiMAX-Count-Type	0	0	0	0	0-1	0-1
WiMAX-Device-Auth-Indicator	0-1	0	0	0	0	0
WiMAX-Home-HNP-PMIP6	0	0	0	0-1	0-1	0-1
WiMAX-Home-IPv4-HoA-PMIP6	0	0	0-1	1	1	1
WiMAX-Idle-Mode-Transition	0	0	0	0	0-1	0
WiMAX-IP-Technology	0	0	0	1	1	1
WiMAX-NAP-ID	0-1	0	0	0-1	0-1	0-1
WiMAX-NSP-ID	0-1	0	0	0-1	0-1	0-1
WiMAX-Packet-Flow-Descriptor	0	0	0+	0	0	0
WiMAX-Packet-Flow-Descriptor-V2	0	0	0+	0	0	0
WiMAX-PDF-ID	0	0	1	0-1	0-1	0-1
WiMAX-Prepaid-Indicator	0	0	0	0-1	0-1	0-1
WiMAX-QoS-Descriptor	0	0	0+	0	0	0
WiMAX-SDF-ID	0	0	0-1	0-1	0-1	0-1
WiMAX-Session-Continue	0	0	0	1	0	1

CSCF Attribute/Packet Table

Attribute	CSCF Access-Request	CSCF Access-Reject	CSCF Access-Accept	CSCF Acct-Request-Start	CSCF Acct-Request-Interim	CSCF Acct-Request-Stop
Acct-Interim-Interval	0	0	0	0-1	0-1	0-1
Called-Station-ID	0	0	0	1	1	1
Delegated-IPv6-Prefix	0-1	0	0-1	0	0	0
Digest-AKA-Auts	0-1	0	0	0	0	0
Digest-Algorithm	0-1	0	0-1	0	0	0
Digest-Auth-Param	0+	0	0+	0	0	0
Digest-CNonce	0-1	0	0	0	0	0
Digest-Domain	0	0	0+	0	0	0
Digest-Entity-Body-Hash	0-1	0	0	0	0	0
Digest-HA1	0	0	0-1	0	0	0
Digest-Method	0-1	0	0	0	0	0
Digest-Nextnonce	0-1	0	0-1	0	0	0
Digest-Nonce	0-1	0	0-1	0	0	0
Digest-Nonce-Count	0-1	0	0	0	0	0
Digest-Opaque	0-1	0	0-1	0	0	0
Digest-Qop	0-1	0	0+	0	0	0
Digest-Realm	0-1	0	0-1	0	0	0
Digest-Response	0-1	0	0-1	0	0	0
Digest-Response-Auth	0-1	0	0-1	0	0	0
Digest-Stale	0	0	0-1	0	0	0
Digest-URI	0-1	0	0-1	0	0	0
Digest-Username	0-1	0	0	0	0	0
Framed-Interface-Id	0-1	0	0-1	0	0	0
Framed-IP-Address	0-1	0	0-1	0	0	0
Framed-IPv6-Prefix	0-1	0	0-1	0	0	0
NAS-Port-Type	1	0	0	1	1	1
SIP-AOR	0-1	0	0	0	0	0
SN-Cause-Code	0	0	0	0	0	0-1
SN-CF-Call-International	0	0	0-1	0	0	0
SN-CF-Call-Local	0	0	0-1	0	0	0
SN-CF-Call-LongDistance	0	0	0-1	0	0	0
SN-CF-Call-Premium	0	0	0-1	0	0	0
SN-CF-Call-RoamingInternatnl	0	0	0-1	0	0	0
SN-CF-Call-Transfer	0	0	0-1	0	0	0
SN-CF-Call-Waiting	0	0	0-1	0	0	0
SN-CF-CId-Display	0	0	0-1	0	0	0
SN-CF-CId-Display-Blocked	0	0	0-1	0	0	0
SN-CF-Follow-Me	0	0	0+	0	0	0
SN-CF-Forward-Busy-Line	0	0	0-1	0	0	0
SN-CF-Forward-No-Answer	0	0	0-1	0	0	0
SN-CF-Forward-Not-Regd	0	0	0-1	0	0	0
SN-CF-Forward-Unconditional	0	0	0-1	0	0	0
SN-Content-Disposition	0	0	0	0-1	0-1	0-1
SN-Content-Length	0	0	0	0-1	0-1	0-1
SN-Content-Type	0	0	0	0-1	0-1	0-1
SN-CR-International-Cid	0	0	0-1	0	0	0
SN-CR-LongDistance-Cid	0	0	0-1	0	0	0

Attribute	CSCF Access-Request	CSCF Access-Reject	CSCF Access-Accept	CSCF Acct-Request-Start	CSCF Acct-Request-Interim	CSCF Acct-Request-Stop
SN-Cscf-Subscriber-Ip-Address	0	0	0-1	0	0	0
SN-Event	0	0	0	0-1	0-1	0-1
SN-GGSN-Address	0	0	0	0-1	0-1	0
SN-IMS-Charging-Identifier	0	0	0	0-1	0-1	0-1
SN-ISC-Template-Name	0	0	0-1	0	0	0
SN-Is-Unregistered-Subscriber	0	0	0	0-1	0-1	0-1
SN-Node-Functionality	0	0	0	0-1	0-1	0-1
SN-Originating-IOI	0	0	0	0-1	0-1	0-1
SN-Role-Of-Node	0	0	0	0-1	0-1	0-1
SN-SDP-Session-Description	0	0	0	0-1	0-1	0
SN-Session-Id	0	0	0	0-1	0-1	0-1
SN-SIP-Method	0	0	0	0-1	0-1	0-1
SN-SIP-Request-Time-Stamp	0	0	0	0-1	0-1	0-1
SN-SIP-Response-Time-Stamp	0	0	0	0-1	0-1	0-1
SN-Terminating-IOI	0	0	0	0-1	0-1	0-1
State	0-1	0	0-1	0	0	0
User-Name	1	0	0	1	1	1
WiMAX-Home-HNP-PMIP6	0-1	0	0-1	0	0	0
WiMAX-Home-IPv4-HoA-PMIP6	0-1	0	0-1	0	0	0

RF Attribute/Packet Table

Attribute	RF Access-Request	RF Access-Reject	RF Access-Accept	RF Acct-Request-Start	RF Acct-Request-Interim	RF Acct-Request-Stop
3GPP2-BSID	0	0	0	0-1	0-1	0-1
3GPP2-Correlation-Id	0	0	0	0-1	0-1	0-1
3GPP-GGSN-Mcc-Mnc	0	0	0	0-1	0-1	0-1
3GPP-IMSI-Mcc-Mnc	0	0	0	0-1	0-1	0-1
3GPP-MS-TimeZone	0	0	0	0-1	0-1	0-1
3GPP-NSAPI	0	0	0	0-1	0-1	0-1
3GPP-RAT-Type	0	0	0	0-1	0-1	0-1
3GPP-Selection-Mode	0	0	0	0-1	0-1	0-1
3GPP-SGSN-Address	0	0	0	0-1	0-1	0-1
3GPP-SGSN-Mcc-Mnc	0	0	0	0-1	0-1	0-1
3GPP-User-Location-Info	0	0	0	0-1	0-1	0-1
Acct-Interim-Interval	0	0	0	1	1	1
Called-Station-ID	0	0	0	0-1	0-1	0-1
Delegated-IPv6-Prefix	0	0	0	0+	0+	0+
Framed-Interface-Id	0	0	0	0-1	0-1	0-1
Framed-IP-Address	0	0	0	0-1	0-1	0-1
Framed-IPv6-Prefix	0	0	0	0+	0+	0+
NAS-Port-Type	0	0	0	0-1	0-1	0-1
Proxy-State	0	0	0	0+	0+	0+
Service-Type	0	0	0	0-1	0-1	0-1
SN1-Local-IP-Address	0	0	0	0-1	0-1	0-1
SN1-PDSN-Correlation-Id	0	0	0	0-1	0-1	0-1
SN1-Tp-Dnlk-Peak-Data-Rate	0	0	0	0-1	0-1	0-1
SN1-Tp-Uplk-Peak-Data-Rate	0	0	0	0-1	0-1	0-1
SN-Local-IP-Address	0	0	0	0-1	0-1	0-1
SN-Node-Functionality	0	0	0	0-1	0-1	0-1
SN-PDSN-Correlation-Id	0	0	0	0-1	0-1	0-1
SN-Tp-Dnlk-Peak-Data-Rate	0	0	0	0-1	0-1	0-1
SN-Tp-Uplk-Peak-Data-Rate	0	0	0	0-1	0-1	0-1
User-Name	0	0	0	1	1	1
WiMAX-BS-ID	0	0	0	0-1	0-1	0-1
WiMAX-Home-HNP-PMIP6	0	0	0	0+	0+	0+
WiMAX-Home-IPv4-HoA-PMIP6	0	0	0	0-1	0-1	0-1

MIPv6HA Attribute/Packet Table

Attribute	MIPv6HA Access-Request	MIPv6HA Access-Reject	MIPv6HA Access-Accept	MIPv6HA Acct-Request-Start	MIPv6HA Acct-Request-Interim	MIPv6HA Acct-Request-Stop
3GPP2-Beginning-Session	0	0	0	0-1	0	0
3GPP2-BSID	0	0	0	0-1	0-1	0-1
3GPP2-Comp-Tunnel-Indicator	0	0	0	1	1	1
3GPP2-Correlation-Id	1	0	0	1	1	1
3GPP2-DNS-Server-IPV6-Addr	0	0	0-1	0	0	0
3GPP2-DNS-Update-Required	0	0	0-1	0	0	0
3GPP2-ESN	1	0	0	0-1	0-1	0-1
3GPP2-IP-QOS	0	0	0-1	1	1	1
3GPP2-IP-Technology	0-1	0	0-1	0	0	0
3GPP2-MEID	0	0	0-1	0-1	0-1	0-1
3GPP2-MIP6-Authenticator	0-1	0	0	0	0	0
3GPP2-MIP6-CoA	0-1	0	0	0-1	0-1	0
3GPP2-MIP6-HA	0-1	0	0	0	0	0
3GPP2-MIP6-HoA	0-1	0	0	0-1	0-1	0
3GPP2-MIP6-HoA-Not-Authorized	0	0	0-1	0	0	0
3GPP2-MIP6-MAC-Mobility-Data	0-1	0	0	0	0	0
3GPP2-MIP6-Mesg-ID	0-1	0	0	0	0	0
3GPP2-MIP6-Session-Key	0	0	0-1	0	0	0
3GPP2-MN-HA-Shared-Key	0	0	0-1	0	0	0
3GPP2-MN-HA-SPI	0-1	0	0-1	0	0	0
3GPP2-Mobile-Term-Orig-Ind	0	0	0	1	1	1
3GPP2-PMIP-IPv4Session-Info	0-1	0	0-1	0-1	0-1	0-1
3GPP2-PMIP-IPv6Session-Info	0-1	0	0-1	0-1	0-1	0-1
3GPP2-PMIP-NAI	0-1	0	0-1	0-1	0-1	0-1
3GPP2-Service-Option	0	0	0	0-1	0-1	0-1
3GPP2-Serving-PCF	0	0	0	1	1	1
AAA-Session-ID	0-1	0	1	0	0	0
Acct-Authentic	0	0	0	1	1	1
Acct-Input-Packets	0-1	0	0	0	1	1
Acct-Interim-Interval	0	0	0-1	0	0	0
Acct-Multi-Session-Id	0	0	0	0-1	0-1	0-1
Acct-Output-Packets	0-1	0	0	0	1	1
Acct-Session-Id	0	0	0	1	1	1
BU-CoA-Ipv6	0-1	0	0	0	0	0
Called-Station-ID	0	0	0	1	1	1
Calling-Station-Id	1	0	1	1	1	1
CHAP-Challenge	1	0	0	0	0	0
Class	0	0	0-1	0-1	0-1	0-1
CUI	0-1	0	0-1	0	0	0
Delegated-IPv6-Prefix	0	0	0	0+	0+	0+
Error-Cause	0	0-1	0	0	0	0
Framed-Interface-Id	0	0	0	0-1	0-1	0-1
Framed-IPv6-Pool	0	0	0-1	0	0	0
Framed-IPv6-Prefix	0	0	0	0+	0+	0+
Framed-MTU	0	0	0-1	0-1	0-1	0-1
Framed-Pool	0	0	0+	0	0	0
HA-IP-MIP4	1	0	0	1	1	1

Attribute	MIPv6HA Access-Request	MIPv6HA Access-Reject	MIPv6HA Access-Accept	MIPv6HA Acct-Request-Start	MIPv6HA Acct-Request-Interim	MIPv6HA Acct-Request-Stop
HA-IP-MIP6	1	0	0	1	1	1
HA-RK-KEY	0	0	0-1	0	0	0
HA-RK-Lifetime	0	0	0-1	0	0	0
HA-RK-SPI	0-1	0	0-1	0	0	0
hLMA-IPv6-PMIP6	0-1	0	0	0	0	0
Idle-Timeout	0	0	0-1	0	0	0
MN-HA-MIP4-KEY	0	0	1	0	0	0
MN-HA-MIP4-SPI	1	0	1	0	0	0
MN-HA-MIP6-KEY	0	0	0-1	0	0	0
MN-HA-MIP6-SPI	0	0	0-1	0	0	0
NAS-Port	1	0	0	1	1	1
NAS-Port-Type	1	0	0	1	1	1
PMIP6-RK-KEY	0	0	0-1	0	0	0
PMIP6-RK-SPI	0-1	0	0-1	0	0	0
Reply-Message	0	0-1	0-1	0	0	0
RRQ-HA-IP	0-1	0	0	0	0	0
RRQ-MN-HA-KEY	0	0	0-1	0	0	0
Service-Type	1	0	0-1	1	1	1
Session-Timeout	0	0	0-1	0	0	0
SN1-Access-link-IP-Frag	0	0	0-1	0	0	0
SN1-Admin-Permission	0	0	0-1	0	0	0
SN1-Assigned-VLAN-ID	0	0	0-1	0-1	0-1	0-1
SN1-CFPolicy-ID	0	0	0-1	0	0	0
SN1-Data-Tunnel-Ignore-DF-Bit	0	0	0-1	0	0	0
SN1-DHCP-Lease-Expiry-Policy	0	0	0-1	0	0	0
SN1-Disconnect-Reason	0	0	0	0	0	1
SN1-DNS-Proxy-Intercept-List	0	0	1	0	0	0
SN1-Enable-QoS-Renegotiation	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Context	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Down-Addr	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Down-VLAN	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Preference	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Up-Addr	0	0	0-1	0	0	0
SN1-Ext-Inline-Srvr-Up-VLAN	0	0	0-1	0	0	0
SN1-Firewall-Enabled	0	0	0	1	1	1
SN1-FMC-Location	0	0	0	0-1	0-1	0-1
SN1-Gratuitous-ARP-Aggressive	0	0	0-1	0	0	0
SN1-Ignore-Unknown-HA-Addr-Err	0	0	0-1	0	0	0
SN1-IMS-AM-Address	0	0	0-1	0	0	0
SN1-IMS-AM-Domain-Name	0	0	0-1	0	0	0
SN1-Inactivity-Time	0	0	0-1	0	0	0
SN1-IP-Filter-In	0	0	0+	0	0	0
SN1-IP-Filter-Out	0	0	0+	0	0	0
SN1-IP-Hide-Service-Address	0	0	0-1	0	0	0
SN1-IP-Pool-Name	0	0	0+	0	0	0
SN1-IP-Source-Validation	0	0	0-1	0	0	0
SN1-IP-Source-Violate-No-Acct	0	0	0-1	0	0	0
SN1-IPv6-Primary-DNS	0	0	0-1	0	0	0
SN1-IPv6-Secondary-DNS	0	0	0-1	0	0	0
SN1-IPv6-Sec-Pool	0	0	0+	0	0	0
SN1-IPv6-Sec-Prefix	0	0	0+	0	0	0

Attribute	MIPv6HA Access-Request	MIPv6HA Access-Reject	MIPv6HA Access-Accept	MIPv6HA Acct-Request-Start	MIPv6HA Acct-Request-Interim	MIPv6HA Acct-Request-Stop
SN1-L3-to-L2-Tun-Addr-Policy	0	0	0-1	0	0	0
SN1-LI-Dest-Address	0	0	0+	0	0	0
SN1-Local-IP-Address	0-1	0	0-1	1	1	1
SN1-Long-Duration-Action	0	0	0-1	0	0	0
SN1-Long-Duration-Notification	0	0	0-1	0	0	0
SN1-Long-Duration-Timeout	0	0	0-1	0	0	0
SN1-Mediation-Enabled	0	0	0-1	1	1	1
SN1-Mediation-VPN-Name	0	0	0-1	1	1	1
SN1-MIP-ANCID	0	0	0	0-1	0-1	0-1
SN1-MIP-Dual-Anchor	0	0	0-1	0	0	0
SN1-MIP-HA-Assignment-Table	0	0	1	0	0	0
SN1-MIP-MIN-Reg-Lifetime-Realm	0	0	0-1	0	0	0
SN1-MIP-Reg-Lifetime-Realm	0	0	0-1	0	0	0
SN1-MN-HA-Timestamp-Tolerance	0	0	0-1	0	0	0
SN1-NPU-Qos-Priority	0	0	0-1	0	0	0
SN1-Nw-Reachability-Server-Name	0	0	0-1	0	0	0
SN1-Overload-Disc-Connect-Time	0	0	0-1	0	0	0
SN1-Overload-Disc-Inact-Time	0	0	0-1	0	0	0
SN1-Overload-Disconnect	0	0	0-1	0	0	0
SN1-PDSN-Correlation-Id	0	0	0	0-1	0-1	0-1
SN1-PDSN-NAS-Id	0	0	0	0-1	0-1	0-1
SN1-PDSN-NAS-IP-Address	0	0	0	0-1	0-1	0-1
SN1-Permit-User-Mcast-PDUs	0	0	0-1	0	0	0
SN1-Prepaid	0	0	0-1	0	0	0
SN1-Prepaid-Compressed-Count	0-1	0	0-1	0	0	0
SN1-Prepaid-Final-Duration-Alg	0	0	0-1	0	0	0
SN1-Prepaid-Inbound-Octets	0-1	0	0-1	0	0	0
SN1-Prepaid-Outbound-Octets	0-1	0	0-1	0	0	0
SN1-Prepaid-Preference	0	0	0-1	0	0	0
SN1-Prepaid-Timeout	0-1	0	0-1	0	0	0
SN1-Prepaid-Total-Octets	0-1	0	0-1	0	0	0
SN1-Prepaid-Watermark	0-1	0	0-1	0	0	0
SN1-Primary-DCCA-Peer	0	0	0-1	0	0	0
SN1-QoS-Background-Class	0	0	0-1	0	0	0
SN1-QoS-Conversation-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive1-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive2-Class	0	0	0-1	0	0	0
SN1-QoS-Interactive3-Class	0	0	0-1	0	0	0
SN1-QoS-Renegotiation-Timeout	0	0	0-1	0	0	0
SN1-QoS-Streaming-Class	0	0	0-1	0	0	0
SN1-QoS-Tp-Dnlk	0	0	0-1	0	0	0
SN1-QoS-Tp-Uplk	0	0	0-1	0	0	0
SN1-Re-CHAP-Interval	0	0	0-1	0-1	0-1	0-1
SN1-Rulebase	0	0	0-1	1	1	1
SN1-Secondary-DCCA-Peer	0	0	0-1	0	0	0
SN1-Subscriber-Accounting	0	0	0-1	1	1	1
SN1-Subscriber-Acct-Interim	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Mode	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Rsp-Action	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Start	0	0	0-1	0	0	0
SN1-Subscriber-Acct-Stop	0	0	0-1	0	0	0

Attribute	MIPv6HA Access-Request	MIPv6HA Access-Reject	MIPv6HA Access-Accept	MIPv6HA Acct-Request-Start	MIPv6HA Acct-Request-Interim	MIPv6HA Acct-Request-Stop
SN1-Subscriber-Class	0	0	0-1	0-1	0-1	0-1
SN1-Subscriber-IP-TOS-Copy	0	0	0-1	0	0	0
SN1-Subscriber-Nexthop-Address	0	0	0-1	1	1	1
SN1-Subscriber-No-Interims	0	0	0-1	0	0	0
SN1-Subscriber-Permission	0	0	0-1	0	0	0
SN1-Subs-IMSA-Service-Name	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Burst-Size	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Committed-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Exceed-Action	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Peak-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Dnlk-Violate-Action	0	0	0-1	0	0	0
SN1-Tp-Uplk-Burst-Size	0	0	0-1	0	0	0
SN1-Tp-Uplk-Committed-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Uplk-Exceed-Action	0	0	0-1	0	0	0
SN1-Tp-Uplk-Peak-Data-Rate	0	0	0-1	0	0	0
SN1-Tp-Uplk-Violate-Action	0	0	0-1	0	0	0
SN1-Tun-Addr-Policy	0	0	0-1	0	0	0
SN1-Tunnel-ISAKMP-Crypto-Map	0	0	0-1	0	0	0
SN1-Tunnel-ISAKMP-Secret	0	0	0-1	0	0	0
SN1-Tunnel-Load-Balancing	0	0	0-1	0	0	0
SN1-Unclassify-List-Name	0	0	0-1	0	0	0
SN1-Virtual-APN-Name	0	0	0-1	0	0	0
SN1-Voice-Push-List-Name	0	0	0-1	0	0	0
SN1-VPN-ID	0	0	0-1	0-1	0-1	0-1
SN1-VPN-Name	0	0	1	0-1	0-1	0-1
SN-Access-link-IP-Frag	0	0	0-1	0	0	0
SN-Acs-Credit-Control-Group	0	0	0-1	0-1	0-1	0-1
SN-Admin-Permission	0	0	0-1	0	0	0
SN-Assigned-VLAN-ID	0	0	0-1	0-1	0-1	0-1
SN-Bandwidth-Policy	0	0	1	0	0	0
SN-CBB-Policy	0	0	1	0	0	0
SN-CFPolicy-ID	0	0	0-1	0	0	0
SN-Congestion-Mgmt-Policy	0	0	0-1	0	0	0
SN-Data-Tunnel-Ignore-DF-Bit	0	0	0-1	0	0	0
SN-DHCP-Lease-Expiry-Policy	0	0	0-1	0	0	0
SN-Disconnect-Reason	0	0	0	0	0	1
SN-DNS-Proxy-Intercept-List	0	0	1	0	0	0
SN-Enable-QoS-Renegotiation	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Context	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Down-Addr	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Down-VLAN	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Preference	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Up-Addr	0	0	0-1	0	0	0
SN-Ext-Inline-Srvr-Up-VLAN	0	0	0-1	0	0	0
SN-Firewall-Enabled	0	0	0	1	1	1
SN-Firewall-Policy	0	0	1	0	0	0
SN-FMC-Location	0	0	0	0-1	0-1	0-1
SN-Gratuitous-ARP-Aggressive	0	0	0-1	0	0	0
SN-Ignore-Unknown-HA-Addr-Error	0	0	0-1	0	0	0
SN-IMS-AM-Address	0	0	0-1	0	0	0
SN-IMS-AM-Domain-Name	0	0	0-1	0	0	0

Attribute	MIPv6HA Access-Request	MIPv6HA Access-Reject	MIPv6HA Access-Accept	MIPv6HA Acct-Request-Start	MIPv6HA Acct-Request-Interim	MIPv6HA Acct-Request-Stop
SN-Inactivity-Time	0	0	0-1	0	0	0
SN-IP-Filter-In	0	0	0+	0	0	0
SN-IP-Filter-Out	0	0	0+	0	0	0
SN-IP-Hide-Service-Address	0	0	0-1	0	0	0
SN-IP-Pool-Name	0	0	0+	0	0	0
SN-IP-Source-Validation	0	0	0-1	0	0	0
SN-IP-Source-Violate-No-Acct	0	0	0-1	0	0	0
SN-IPv6-Primary-DNS	0	0	0-1	0	0	0
SN-IPv6-Secondary-DNS	0	0	0-1	0	0	0
SN-IPv6-Sec-Pool	0	0	0+	0	0	0
SN-IPv6-Sec-Prefix	0	0	0+	0	0	0
SN-L3-to-L2-Tun-Addr-Policy	0	0	0-1	0	0	0
SN-LI-Dest-Address	0	0	0+	0	0	0
SN-Local-IP-Address	0-1	0	0-1	1	1	1
SN-Long-Duration-Action	0	0	0-1	0	0	0
SN-Long-Duration-Notification	0	0	0-1	0	0	0
SN-Long-Duration-Timeout	0	0	0-1	0	0	0
SN-Mediation-Enabled	0	0	0-1	1	1	1
SN-Mediation-VPN-Name	0	0	0-1	1	1	1
SN-MIP-ANCID	0	0	0	0-1	0-1	0-1
SN-MIP-Dual-Anchor	0	0	0-1	0	0	0
SN-MIP-HA-Assignment-Table	0	0	1	0	0	0
SN-MIP-MIN-Reg-Lifetime-Realm	0	0	0-1	0	0	0
SN-MIP-Reg-Lifetime-Realm	0	0	0-1	0	0	0
SN-MN-HA-Timestamp-Tolerance	0	0	0-1	0	0	0
SN-NPU-Qos-Priority	0	0	0-1	0	0	0
SN-Nw-Reachability-Server-Name	0	0	0-1	0	0	0
SN-Overload-Disc-Connect-Time	0	0	0-1	0	0	0
SN-Overload-Disc-Inact-Time	0	0	0-1	0	0	0
SN-Overload-Disconnect	0	0	0-1	0	0	0
SN-PDSN-Correlation-Id	0	0	0	0-1	0-1	0-1
SN-PDSN-NAS-Id	0	0	0	0-1	0-1	0-1
SN-PDSN-NAS-IP-Address	0	0	0	0-1	0-1	0-1
SN-Permit-User-Mcast-PDUs	0	0	0-1	0	0	0
SN-Prepaid	0	0	0-1	0	0	0
SN-Prepaid-Compressed-Count	0-1	0	0-1	0	0	0
SN-Prepaid-Final-Duration-Alg	0	0	0-1	0	0	0
SN-Prepaid-Inbound-Octets	0-1	0	0-1	0	0	0
SN-Prepaid-Outbound-Octets	0-1	0	0-1	0	0	0
SN-Prepaid-Preference	0	0	0-1	0	0	0
SN-Prepaid-Timeout	0-1	0	0-1	0	0	0
SN-Prepaid-Total-Octets	0-1	0	0-1	0	0	0
SN-Prepaid-Watermark	0-1	0	0-1	0	0	0
SN-Primary-DCCA-Peer	0	0	0-1	0	0	0
SN-QoS-Background-Class	0	0	0-1	0	0	0
SN-QoS-Conversation-Class	0	0	0-1	0	0	0
SN-QoS-Interactive1-Class	0	0	0-1	0	0	0
SN-QoS-Interactive2-Class	0	0	0-1	0	0	0
SN-QoS-Interactive3-Class	0	0	0-1	0	0	0
SN-QoS-Renegotiation-Timeout	0	0	0-1	0	0	0
SN-QoS-Streaming-Class	0	0	0-1	0	0	0

Attribute	MIPv6HA Access-Request	MIPv6HA Access-Reject	MIPv6HA Access-Accept	MIPv6HA Acct-Request-Start	MIPv6HA Acct-Request-Interim	MIPv6HA Acct-Request-Stop
SN-QoS-Tp-Dnlk	0	0	0-1	0	0	0
SN-QoS-Tp-Uplk	0	0	0-1	0	0	0
SN-Re-CHAP-Interval	0	0	0-1	0-1	0-1	0-1
SN-Rulebase	0	0	0-1	1	1	1
SN-Secondary-DCCA-Peer	0	0	0-1	0	0	0
SN-Subscriber-Accounting	0	0	0-1	1	1	1
SN-Subscriber-Acct-Interim	0	0	0-1	0	0	0
SN-Subscriber-Acct-Mode	0	0	0-1	0	0	0
SN-Subscriber-Acct-Rsp-Action	0	0	0-1	0	0	0
SN-Subscriber-Acct-Start	0	0	0-1	0	0	0
SN-Subscriber-Acct-Stop	0	0	0-1	0	0	0
SN-Subscriber-Class	0	0	0-1	0-1	0-1	0-1
SN-Subscriber-IP-TOS-Copy	0	0	0-1	0	0	0
SN-Subscriber-Nexthop-Address	0	0	0-1	1	1	1
SN-Subscriber-No-Interims	0	0	0-1	0	0	0
SN-Subscriber-Permission	0	0	0-1	0	0	0
SN-Subs-IMSA-Service-Name	0	0	0-1	0	0	0
SN-Tp-Dnlk-Burst-Size	0	0	0-1	0	0	0
SN-Tp-Dnlk-Committed-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Dnlk-Exceed-Action	0	0	0-1	0	0	0
SN-Tp-Dnlk-Peak-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Dnlk-Violate-Action	0	0	0-1	0	0	0
SN-TPO-Policy	0	0	0-1	0	0	0
SN-Tp-Uplk-Burst-Size	0	0	0-1	0	0	0
SN-Tp-Uplk-Committed-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Uplk-Exceed-Action	0	0	0-1	0	0	0
SN-Tp-Uplk-Peak-Data-Rate	0	0	0-1	0	0	0
SN-Tp-Uplk-Violate-Action	0	0	0-1	0	0	0
SN-TrafficSelector-Class	0	0	0-1	0	0	0
SN-Tun-Addr-Policy	0	0	0-1	0	0	0
SN-Tunnel-ISAKMP-Crypto-Map	0	0	0-1	0	0	0
SN-Tunnel-ISAKMP-Secret	0	0	0-1	0	0	0
SN-Tunnel-Load-Balancing	0	0	0-1	0	0	0
SN-Unclassify-List-Name	0	0	0-1	0	0	0
SN-Virtual-APN-Name	0	0	0-1	0	0	0
SN-Voice-Push-List-Name	0	0	0-1	0	0	0
SN-VPN-ID	0	0	0-1	0-1	0-1	0-1
SN-VPN-Name	0	0	1	0-1	0-1	0-1
State	1	0	0-1	0	0	0
Tunnel-Assignment-ID	0	0	0-1	1	1	1
Tunnel-Client-Auth-ID	0	0	0-1	1	1	1
Tunnel-Client-Endpoint	0	0	0-1	1	1	1
Tunnel-Medium-Type	0	0	0-1	1	1	1
Tunnel-Preference	0	0	0-1	0	0	0
Tunnel-Private-Group-ID	0	0	0-1	1	1	1
Tunnel-Server-Auth-ID	0	0	0-1	1	1	1
Tunnel-Server-Endpoint	0	0	0-1	1	1	1
Tunnel-Type	0	0	0-1	1	1	1
User-Name	1	0	0-1	1	1	1
WiMAX-Beginning-Of-Session	0	0	0	0-1	0	0
WiMAX-BS-ID	0	0	0	0-1	0-1	0-1

Attribute	MIPv6HA Access-Request	MIPv6HA Access-Reject	MIPv6HA Access-Accept	MIPv6HA Acct-Request-Start	MIPv6HA Acct-Request-Interim	MIPv6HA Acct-Request-Stop
WiMAX-Count-Type	0-1	0	0-1	0	0	0
WiMAX-Home-HNP-PMIP6	0	0	0	0+	0+	0+
WiMAX-IP-Technology	0-1	0	0-1	0	0	0
WiMAX-Prepaid-Indicator	0	0	0	0-1	0-1	0-1

NAT Attribute/Packet Table

Attribute	NAT Access- Request	NAT Access-Reject	NAT Access-Accept	NAT Acct-Request-Start	NAT Acct-Request-Interim	NAT Acct-Request-Stop
Acct-Session-Id	0	0	0	0	1	0
Calling-Station-Id	0	0	0	0	1	0
Framed-IP-Address	0	0	0	0	1	0
User-Name	0	0	0	0	1	0
3GPP-Charging-Id	0	0	0	0	1	0
3GPP2-Correlation-Id	0	0	0	0	1	0
WiMAX-Home-IPv4-HoA-PMIP6	0	0	0	0	1	0

Dictionary Quick Reference

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
3GPP2-835-Release-Indicator	No	No	No	Yes	No	Yes	No	Yes
3GPP2-Acct-Session-Time	No	No	No	Yes	No	Yes	No	Yes
3GPP2-Active-Time	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Active-Time-Corrected	No	No	No	No	No	No	No	No
3GPP2-Airlink-Record-Type	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Airlink-Sequence-Number	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Air-QOS	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Allowed-Diffserv	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Allowed-Persistent-TFTs	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Alternate-Billing-ID	No	No	No	Yes	No	Yes	No	Yes
3GPP2-Always-On	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Auth-Flow-Profile-Id	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Bad-PPP-Frame-Count	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BCMCS-Auth-Parameters	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BCMCS-BSN-Session-Info	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BCMCS-Capability	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BCMCS-Common-Session-Info	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BCMCS-Flow-ID	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BCMCS-Flow-Transmit-Time	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BCMCS-Mcast-IP-Addr	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BCMCS-Mcast-Port	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BCMCS-Reason-Code	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BCMCS-RN-Session-Info	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Beginning-Session	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-BSID	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Carrier-ID	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Comp-Tunnel-Indicator	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Container	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Correlation-Id	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Correlation-Id-Long	No	No	No	No	No	No	No	No
3GPP2-Correlation-Id-Old	No	No	No	No	No	No	No	No
3GPP2-DCCH-Frame-Size	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Diff-Service-Class-Option	No	No	No	No	No	No	No	No
3GPP2-Disconnect-Reason	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-DNS-Server-IP-Address	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-DNS-Server-IPV6-Addr	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-DNS-Update-Required	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-ESN	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-FA-Address	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-FEID	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Flow-Id	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Flow-Status	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Forward-Fundamental-Rate	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Forward-Fundamental-RC	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Forward-Mux-Option	No	No	Yes	Yes	Yes	Yes	Yes	Yes

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
3GPP2-Forward-Traffic-Type	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Fundamental-Frame-Size	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Fwd-Dcch-Mux-Option	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Fwd-Dcch-Rc	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Fwd-Pdch-Rc	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-GMT-Timezone-Offset	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Granted-QoS	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-IKE-Secret	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-IKE-Secret-Request	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-IKE-Secret-Unencrypted	No	No	No	No	No	No	No	No
3GPP2-IMSI	No	No	No	No	No	No	No	No
3GPP2-Interconnect-IP	No	No	No	Yes	No	Yes	No	Yes
3GPP2-Interconnect-QOS	No	No	No	Yes	No	Yes	No	Yes
3GPP2-Inter-User-Priority	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-IP-QOS	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-IP-Services-Authorized	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-IP-Technology	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-KeyID	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Last-Activity	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Max-Auth-Aggr-Bw-BET	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Max-Per-FI-Pri-ForTheUser	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MEID	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-Authenticator	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-CoA	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-HA	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-HoA	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-HoA-Not-Authorized	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-Home-Address	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-Home-Agent	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-Home-Link-Prefix	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-MAC-Mobility-Data	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-Mesg-ID	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP6-Session-Key	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP-HA-Address	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP-Lifetime	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP-Rev-Tunnel-Required	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP-Sig-Octet-Count-In	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MIP-Sig-Octet-Count-Out	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MN-AAA-Removal-Indication	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MN-HA-Shared-Key	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-MN-HA-Shared-Key-No-Enc	No	No	No	No	No	No	No	No
3GPP2-MN-HA-SPI	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Mobile-Term-Orig-Ind	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Number-Active-Transitions	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Num-Bytes-Received-Total	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Num-SDB-Input	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Num-SDB-Output	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-PMIP-Capability	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-PMIP-IPv4Session-Info	No	No	Yes	Yes	Yes	Yes	Yes	Yes

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
3GPP2-PMIP-IPv6Session-Info	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-PMIP-NAI	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Pre-Paid-Accounting-Quota	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Pre-Paid-Acct-Capability	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Pre-Paid-TariffSwitch	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-QoS-Service-Opt-Profile	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Release-Indicator	No	No	Yes	No	Yes	No	Yes	No
3GPP2-Release-Indicator-custom9	No	No	No	No	No	No	No	No
3GPP2-Release-Indicator-Old	No	No	No	No	No	No	No	No
3GPP2-Release-Indicator-Prepaid	No	No	No	No	Yes	No	Yes	No
3GPP2-Remote-Addr-Table-Idx-Old	No	No	No	Yes	No	Yes	No	Yes
3GPP2-Remote-Addr-Table-Index	No	No	Yes	No	Yes	No	Yes	No
3GPP2-Remote-IPv4-Address	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Remote-IPv4-Addr-Octets	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Rev-Dcch-Mux-Option	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Rev-Dcch-Rc	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Reverse-Fundamental-Rate	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Reverse-Fundamental-RC	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Reverse-Mux-Option	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Reverse-Traffic-Type	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Rev-Pdch-Rc	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-RP-Session-ID	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Rsvp-Signal-In-Count	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Rsvp-Signal-In-Packets	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Rsvp-Signal-Out-Count	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Rsvp-Signal-Out-Packets	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-SDB-Input-Octets	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-SDB-Output-Octets	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Security-Level	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Service-Option	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Service-Option-Profile	No	No	No	No	No	No	No	No
3GPP2-Service-Reference-ID	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Serving-PCF	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Session-Continue	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Session-Term-Capability	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-S-Key	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-S-Lifetime	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-S-Request	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-Subnet	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP2-S-Unencrypted	No	No	No	No	No	No	No	No
3GPP2-User-Zone	No	No	Yes	Yes	Yes	Yes	Yes	Yes
3GPP-Allocate-IPType	No	Yes	No	No	Yes	No	Yes	No
3GPP-CAMEL-Charging-Info	No	Yes	No	No	Yes	No	Yes	No
3GPP-CG-Address	No	Yes	No	No	Yes	No	Yes	No
3GPP-Charging-Id	No	Yes	No	No	Yes	No	Yes	No
3GPP-Chrg-Char	No	Yes	No	No	Yes	No	Yes	No
3GPP-GGSN-Address	No	Yes	No	No	Yes	No	Yes	No
3GPP-GGSN-IPv6-Address	No	Yes	No	No	Yes	No	Yes	No
3GPP-GGSN-Mcc-Mnc	No	Yes	No	No	Yes	No	Yes	No

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
3GPP-IMEISV	No	Yes	No	No	Yes	No	Yes	No
3GPP-IMSI	No	Yes	No	No	Yes	No	Yes	No
3GPP-IMSI-Mcc-Mnc	No	Yes	No	No	Yes	No	Yes	No
3GPP-IPv6-DNS-Servers	No	Yes	No	No	Yes	No	Yes	No
3GPP-MS-TimeZone	No	Yes	No	No	Yes	No	Yes	No
3GPP-Negotiated-DSCP	No	Yes	No	No	Yes	No	Yes	No
3GPP-Negotiated-QoS-Profile	No	Yes	No	No	Yes	No	Yes	No
3GPP-NSAPI	No	Yes	No	No	Yes	No	Yes	No
3GPP-Packet-Filter	No	Yes	No	No	Yes	No	Yes	No
3GPP-PDP-Type	No	Yes	No	No	Yes	No	Yes	No
3GPP-RAT-Type	No	Yes	No	No	Yes	No	Yes	No
3GPP-Selection-Mode	No	Yes	No	No	Yes	No	Yes	No
3GPP-Session-Stop-Ind	No	Yes	No	No	Yes	No	Yes	No
3GPP-SGSN-Address	No	Yes	No	No	Yes	No	Yes	No
3GPP-SGSN-IPv6-Address	No	Yes	No	No	Yes	No	Yes	No
3GPP-SGSN-Mcc-Mnc	No	Yes	No	No	Yes	No	Yes	No
3GPP-Teardown-Indicator	No	Yes	No	No	Yes	No	Yes	No
3GPP-User-Location-Info	No	Yes	No	No	Yes	No	Yes	No
AAA-Session-ID	No	No	No	No	Yes	No	Yes	No
Access-IN-Subs	No	No	No	No	No	No	No	No
Acct-Authentic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Delay-Time	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Input-Gigawords	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Input-Octets	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Input-Packets	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Interim-Interval	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Link-Count	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Multi-Session-Id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Output-Gigawords	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Output-Octets	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Output-Packets	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Session-Id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Session-Id-Long	No	No	No	No	No	No	No	No
Acct-Session-Time	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Acct-Status-Type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Termination-Cause	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Tunnel-Connection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acct-Tunnel-Packets-Lost	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ARAP-Challenge-Response	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ARAP-Features	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ARAP-Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ARAP-Security	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ARAP-Security-Data	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ARAP-Zone-Access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BU-CoA-Ipv6	No	No	No	No	Yes	No	Yes	No
Callback-Id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Callback-Number	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Called-Station-ID	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Calling-Station-Id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
Calling-Subscriber-Type	No	No	No	No	No	No	No	No
CHAP-Challenge	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHAP-Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Charging-Id	No	No	No	No	No	No	No	No
Class	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Configuration-Token	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Connect-Info	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CS-AVPair	No	No	No	No	Yes	Yes	Yes	Yes
CS-Prepaid-Quota	No	No	No	No	Yes	Yes	Yes	Yes
CS-Prepaid-Time-Quota	No	No	No	No	Yes	Yes	Yes	Yes
CS-Prepaid-Volume-Quota	No	No	No	No	Yes	Yes	Yes	Yes
CS-Service-Name	No	No	No	No	Yes	Yes	Yes	Yes
CUI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
custom54-Dial-Number	No	No	No	No	No	No	No	No
custom54-IPX-Alias	No	No	No	No	No	No	No	No
custom54-Metric	No	No	No	No	No	No	No	No
custom54-PRI-Number-Type	No	No	No	No	No	No	No	No
custom54-Route-IP	No	No	No	No	No	No	No	No
custom54-Session-Svr-Key	No	No	No	No	No	No	No	No
Custom-Prepaid-Ind	No	No	No	No	No	No	No	No
Delegated-IPv6-Prefix	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DHCPMSG-Server-IP	No	No	No	No	Yes	No	Yes	No
DHCP-RK	No	No	No	No	Yes	No	Yes	No
DHCP-RK-Key-ID	No	No	No	No	Yes	No	Yes	No
DHCP-RK-Lifetime	No	No	No	No	Yes	No	Yes	No
Digest-AKA-Auts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Algorithm	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Auth-Param	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-CNonce	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Domain	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Entity-Body-Hash	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-HA1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Method	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Nextnonce	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Nonce	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Nonce-Count	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Opaque	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Qop	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Realm	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Response	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Response-Auth	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Stale	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-URI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digest-Username	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DNS	No	No	No	No	Yes	No	Yes	No
Draft5-Digest-Response	No	No	No	No	No	No	No	No
DSCP_IP_Address	No	No	No	No	No	No	No	No
EAP-Message	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Error-Cause	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
Event-Timestamp	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FA-RK-KEY	No	No	No	No	Yes	No	Yes	No
FA-RK-SPI	No	No	No	No	Yes	No	Yes	No
Filter-Id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-AppleTalk-Link	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-AppleTalk-Network	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-AppleTalk-Zone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-Compression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-Interface-Id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-IP-Address	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-IP-Netmask	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-IPv6-Pool	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-IPv6-Prefix	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-IPv6-Route	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-IPX-Network	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-MTU	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-Pool	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-Protocol	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-Route	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Framed-Routing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Geographical-Location	No	No	No	No	Yes	Yes	Yes	Yes
GGSN-GTP-IP-Address	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GGSN-IP-Address	No	No	No	No	No	No	No	No
GMT-Time-Zone-Offset	No	No	No	No	Yes	No	Yes	No
HA-IP-MIP4	No	No	No	No	Yes	No	Yes	No
HA-IP-MIP6	No	No	No	No	Yes	No	Yes	No
HA-RK-KEY	No	No	No	No	Yes	No	Yes	No
HA-RK-Lifetime	No	No	No	No	Yes	No	Yes	No
HA-RK-SPI	No	No	No	No	Yes	No	Yes	No
hLMA-IPv6-PMIP6	No	No	No	No	Yes	No	Yes	No
HNB-Internet-Information	No	No	No	No	Yes	Yes	Yes	Yes
HNB-Parameters	No	No	No	No	Yes	Yes	Yes	Yes
Hotline-Indicator	No	No	No	No	Yes	No	Yes	No
Hotline-Profile-ID	No	No	No	No	Yes	No	Yes	No
Hotline-Session-Timer	No	No	No	No	Yes	No	Yes	No
HTTP-Redirection-Rule	No	No	No	No	Yes	No	Yes	No
Idle-Timeout	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IMSI	No	No	No	No	No	No	No	No
IMSI-MCC-MNC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IN-Packet-Period	No	No	No	No	No	No	No	No
IN-Time-Period	No	No	No	No	No	No	No	No
IP-Redirection-Rule	No	No	No	No	Yes	No	Yes	No
KTF_VSA1	No	No	No	No	No	No	No	No
KTF_VSA2	No	No	No	No	No	No	No	No
Login-IP-Host	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Login-IPv6-Host	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Login-LAT-Group	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Login-LAT-Node	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Login-LAT-Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
Login-LAT-Service	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Login-Service	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Login-TCP-Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Macro-Coverage-Information	No	No	No	No	Yes	Yes	Yes	Yes
Message-Authenticator	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MN-HA-MIP4-KEY	No	No	No	No	Yes	No	Yes	No
MN-HA-MIP4-SPI	No	No	No	No	Yes	No	Yes	No
MN-HA-MIP6-KEY	No	No	No	No	Yes	No	Yes	No
MN-HA-MIP6-SPI	No	No	No	No	Yes	No	Yes	No
MSISDN	No	No	No	No	No	No	No	No
MSK	No	No	No	No	Yes	No	Yes	No
NAS-Filter-Rule	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NAS-Identifier	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NAS-IP-Address	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NAS-IPv6-Address	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NAS-Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NAS-Port-Id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NAS-Port-Type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Password-Retry	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PMIP6-RK-KEY	No	No	No	No	Yes	No	Yes	No
PMIP6-RK-SPI	No	No	No	No	Yes	No	Yes	No
PMIP6-Service-Info	No	No	No	No	Yes	No	Yes	No
PMIP-Authenticated-Nwk-Id	No	No	No	No	Yes	No	Yes	No
Port-Limit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Prepaid-Ind	No	No	No	No	No	No	No	No
Presence	No	No	No	No	Yes	Yes	Yes	Yes
Price-Plan	No	No	No	No	No	No	No	No
Primary-DNS-Server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Prohibit-Payload-Compression	No	No	No	No	Yes	Yes	No	No
Prohibit-Payload-Compression1	No	No	No	No	No	No	Yes	Yes
Prompt	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Proxy-State	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Reject-Cause	No	No	No	No	Yes	Yes	Yes	Yes
Reply-Message	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RRQ-HA-IP	No	No	No	No	Yes	No	Yes	No
RRQ-MN-HA-KEY	No	No	No	No	Yes	No	Yes	No
Secondary-DNS-Server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Selection-Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Service-Selection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Service-Type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Session-Timeout	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SGSN-IP-Address	No	No	No	No	No	No	No	No
SIP-AOR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SN1-Access-link-IP-Frag	No	No	No	No	No	No	Yes	Yes
SN1-Acct-Input-Giga-Dropped	No	No	No	No	No	No	Yes	Yes
SN1-Acct-Input-Octets-Dropped	No	No	No	No	No	No	Yes	Yes
SN1-Acct-Input-Packets-Dropped	No	No	No	No	No	No	Yes	Yes
SN1-Acct-Output-Giga-Dropped	No	No	No	No	No	No	Yes	Yes
SN1-Acct-Output-Octets-Dropped	No	No	No	No	No	No	Yes	Yes

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN1-Acct-Output-Packets-Dropped	No	No	No	No	No	No	Yes	Yes
SN1-Admin-Expiry	No	No	No	No	No	No	Yes	Yes
SN1-Admin-Permission	No	No	No	No	No	No	Yes	Yes
SN1-Assigned-VLAN-ID	No	No	No	No	No	No	Yes	Yes
SN1-Call-Id	No	No	No	No	No	No	Yes	Yes
SN1-Cause-For-Rec-Closing	No	No	No	No	No	No	Yes	Yes
SN1-CFPolicy-ID	No	No	No	No	No	No	Yes	Yes
SN1-Change-Condition	No	No	No	No	No	No	Yes	Yes
SN1-Charging-VPN-Name	No	No	No	No	No	No	Yes	Yes
SN1-Chrg-Char-Selection-Mode	No	No	No	No	No	No	Yes	Yes
SN1-Data-Tunnel-Ignore-DF-Bit	No	No	No	No	No	No	Yes	Yes
SN1-DHCP-Lease-Expiry-Policy	No	No	No	No	No	No	Yes	Yes
SN1-Disconnect-Reason	No	No	No	No	No	No	Yes	Yes
SN1-DNS-Proxy-Intercept-List	No	No	No	No	No	No	Yes	Yes
SN1-DNS-Proxy-Use-Subscr-Addr	No	No	No	No	No	No	Yes	Yes
SN1-Dynamic-Addr-Alloc-Ind-Flag	No	No	No	No	No	No	Yes	Yes
SN1-Ecs-Data-Volume	No	No	No	No	No	No	Yes	Yes
SN1-Enable-QoS-Renegotiation	No	No	No	No	No	No	Yes	Yes
SN1-Ext-Inline-Srvr-Context	No	No	No	No	No	No	Yes	Yes
SN1-Ext-Inline-Srvr-Down-Addr	No	No	No	No	No	No	Yes	Yes
SN1-Ext-Inline-Srvr-Down-VLAN	No	No	No	No	No	No	Yes	Yes
SN1-Ext-Inline-Srvr-Preference	No	No	No	No	No	No	Yes	Yes
SN1-Ext-Inline-Srvr-Up-Addr	No	No	No	No	No	No	Yes	Yes
SN1-Ext-Inline-Srvr-Up-VLAN	No	No	No	No	No	No	Yes	Yes
SN1-Firewall-Enabled	No	No	No	No	No	No	Yes	Yes
SN1-FMC-Location	No	No	No	No	No	No	Yes	Yes
SN1-GGSN-MIP-Required	No	No	No	No	No	No	Yes	Yes
SN1-Gratuitous-ARP-Aggressive	No	No	No	No	No	No	Yes	Yes
SN1-GTP-Version	No	No	No	No	No	No	Yes	Yes
SN1-HA-Send-DNS-Address	No	No	No	No	No	No	Yes	Yes
SN1-Home-Behavior	No	No	No	No	No	No	Yes	Yes
SN1-Home-Profile	No	No	No	No	No	No	Yes	Yes
SN1-Home-Sub-Use-GGSN	No	No	No	No	No	No	Yes	Yes
SN1-Ignore-Unknown-HA-Addr-Err	No	No	No	No	No	No	Yes	Yes
SN1-IMS-AM-Address	No	No	No	No	No	No	Yes	Yes
SN1-IMS-AM-Domain-Name	No	No	No	No	No	No	Yes	Yes
SN1-IMSI	No	No	No	No	No	No	Yes	Yes
SN1-Inactivity-Time	No	No	No	No	No	No	Yes	Yes
SN1-Internal-SM-Index	No	No	No	No	No	No	Yes	Yes
SN1-IP-Alloc-Method	No	No	No	No	No	No	Yes	Yes
SN1-IP-Filter-In	No	No	No	No	No	No	Yes	Yes
SN1-IP-Filter-Out	No	No	No	No	No	No	Yes	Yes
SN1-IP-Header-Compression	No	No	No	No	No	No	Yes	Yes
SN1-IP-Hide-Service-Address	No	No	No	No	No	No	Yes	Yes
SN1-IP-In-ACL	No	No	No	No	No	No	Yes	Yes
SN1-IP-In-Plcy-Grp	No	No	No	No	No	No	Yes	Yes
SN1-IP-Out-ACL	No	No	No	No	No	No	Yes	Yes
SN1-IP-Out-Plcy-Grp	No	No	No	No	No	No	Yes	Yes
SN1-IP-Pool-Name	No	No	No	No	No	No	Yes	Yes

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN1-IP-Source-Validation	No	No	No	No	No	No	Yes	Yes
SN1-IP-Source-Violate-No-Acct	No	No	No	No	No	No	Yes	Yes
SN1-IP-Src-Valid-Drop-Limit	No	No	No	No	No	No	Yes	Yes
SN1-IPv6-DNS-Proxy	No	No	No	No	No	No	Yes	Yes
SN1-IPv6-Egress-Filtering	No	No	No	No	No	No	Yes	Yes
SN1-IPv6-Min-Link-MTU	No	No	No	No	No	No	Yes	Yes
SN1-IPv6-num-rtr-advt	No	No	No	No	No	No	Yes	Yes
SN1-IPv6-Primary-DNS	No	No	No	No	No	No	Yes	Yes
SN1-IPv6-rtr-advt-interval	No	No	No	No	No	No	Yes	Yes
SN1-IPv6-Secondary-DNS	No	No	No	No	No	No	Yes	Yes
SN1-IPv6-Sec-Pool	No	No	No	No	No	No	Yes	Yes
SN1-IPv6-Sec-Prefix	No	No	No	No	No	No	Yes	Yes
SN1-L3-to-L2-Tun-Addr-Policy	No	No	No	No	No	No	Yes	Yes
SN1-LI-Dest-Address	No	No	No	No	No	No	Yes	Yes
SN1-Local-IP-Address	No	No	No	No	No	No	Yes	Yes
SN1-Long-Duration-Action	No	No	No	No	No	No	Yes	Yes
SN1-Long-Duration-Notification	No	No	No	No	No	No	Yes	Yes
SN1-Long-Duration-Timeout	No	No	No	No	No	No	Yes	Yes
SN1-Mediation-Acct-Rsp-Action	No	No	No	No	No	No	Yes	Yes
SN1-Mediation-Enabled	No	No	No	No	No	No	Yes	Yes
SN1-Mediation-No-Interims	No	No	No	No	No	No	Yes	Yes
SN1-Mediation-VPN-Name	No	No	No	No	No	No	Yes	Yes
SN1-Min-Compress-Size	No	No	No	No	No	No	Yes	Yes
SN1-MIP-AAA-Assign-Addr	No	No	No	No	No	No	Yes	Yes
SN1-MIP-ANCID	No	No	No	No	No	No	Yes	Yes
SN1-MIP-Dual-Anchor	No	No	No	No	No	No	Yes	Yes
SN1-MIP-HA-Assignment-Table	No	No	No	No	No	No	Yes	Yes
SN1-MIP-Match-AAA-Assign-Addr	No	No	No	No	No	No	Yes	Yes
SN1-MIP-MIN-Reg-Lifetime-Realm	No	No	No	No	No	No	Yes	Yes
SN1-MIP-Reg-Lifetime-Realm	No	No	No	No	No	No	Yes	Yes
SN1-MIP-Send-Ancid	No	No	No	No	No	No	Yes	Yes
SN1-MIP-Send-Correlation-Info	No	No	No	No	No	No	Yes	Yes
SN1-MIP-Send-Imsi	No	No	No	No	No	No	Yes	Yes
SN1-MIP-Send-Term-Verification	No	No	No	No	No	No	Yes	Yes
SN1-MN-HA-Hash-Algorithm	No	No	No	No	No	No	Yes	Yes
SN1-MN-HA-Timestamp-Tolerance	No	No	No	No	No	No	Yes	Yes
SN1-MS-ISDN	No	No	No	No	No	No	Yes	Yes
SN1-NAI-Construction-Domain	No	No	No	No	No	No	Yes	Yes
SN1-NAT-Bind-Record	No	No	No	No	No	No	Yes	Yes
SN1-NAT-Info-Record	No	No	No	No	No	No	Yes	Yes
SN1-NAT-IP-Address	No	No	No	No	No	No	Yes	Yes
SN1-NAT-IP-Address-Old	No	No	No	No	No	No	Yes	Yes
SN1-NAT-Port	No	No	No	No	No	No	Yes	Yes
SN1-NPU-Qos-Priority	No	No	No	No	No	No	Yes	Yes
SN1-Ntk-Initiated-Ctx-Ind-Flag	No	No	No	No	No	No	Yes	Yes
SN1-Ntk-Session-Disconnect-Flag	No	No	No	No	No	No	Yes	Yes
SN1-Nw-Reachability-Server-Name	No	No	No	No	No	No	Yes	Yes
SN1-Overload-Disc-Connect-Time	No	No	No	No	No	No	Yes	Yes
SN1-Overload-Disc-Inact-Time	No	No	No	No	No	No	Yes	Yes

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN1-Overload-Disconnect	No	No	No	No	No	No	Yes	Yes
SN1-PDIF-MIP-Release-TIA	No	No	No	No	No	No	Yes	Yes
SN1-PDIF-MIP-Required	No	No	No	No	No	No	Yes	Yes
SN1-PDIF-MIP-Simple-IP-Fallback	No	No	No	No	No	No	Yes	Yes
SN1-PDSN-Correlation-Id	No	No	No	No	No	No	Yes	Yes
SN1-PDSN-Handoff-Req-IP-Addr	No	No	No	No	No	No	Yes	Yes
SN1-PDSN-NAS-Id	No	No	No	No	No	No	Yes	Yes
SN1-PDSN-NAS-IP-Address	No	No	No	No	No	No	Yes	Yes
SN1-Permit-User-Mcast-PDUs	No	No	No	No	No	No	Yes	Yes
SN1-PPP-Accept-Peer-v6Ifid	No	No	No	No	No	No	Yes	Yes
SN1-PPP-Always-On-Vse	No	No	No	No	No	No	Yes	Yes
SN1-PPP-Data-Compression	No	No	No	No	No	No	Yes	Yes
SN1-PPP-Data-Compression-Mode	No	No	No	No	No	No	Yes	Yes
SN1-PPP-Keepalive	No	No	No	No	No	No	Yes	Yes
SN1-PPP-NW-Layer-IPv4	No	No	No	No	No	No	Yes	Yes
SN1-PPP-NW-Layer-IPv6	No	No	No	No	No	No	Yes	Yes
SN1-PPP-Outbound-Password	No	No	No	No	No	No	Yes	Yes
SN1-PPP-Outbound-Username	No	No	No	No	No	No	Yes	Yes
SN1-PPP-Progress-Code	No	No	No	No	No	No	Yes	Yes
SN1-PPP-Reneg-Disc	No	No	No	No	No	No	Yes	Yes
SN1-Prepaid	No	No	No	No	No	No	Yes	Yes
SN1-Prepaid-Compressed-Count	No	No	No	No	No	No	Yes	Yes
SN1-Prepaid-Final-Duration-Alg	No	No	No	No	No	No	Yes	Yes
SN1-Prepaid-Inbound-Octets	No	No	No	No	No	No	Yes	Yes
SN1-Prepaid-Outbound-Octets	No	No	No	No	No	No	Yes	Yes
SN1-Prepaid-Preference	No	No	No	No	No	No	Yes	Yes
SN1-Prepaid-Profile	No	No	No	No	No	No	Yes	Yes
SN1-Prepaid-Timeout	No	No	No	No	No	No	Yes	Yes
SN1-Prepaid-Total-Octets	No	No	No	No	No	No	Yes	Yes
SN1-Prepaid-Watermark	No	No	No	No	No	No	Yes	Yes
SN1-Primary-DCCA-Peer	No	No	No	No	No	No	Yes	Yes
SN1-Primary-DNS-Server	No	No	No	No	No	No	Yes	Yes
SN1-Primary-NBNS-Server	No	No	No	No	No	No	Yes	Yes
SN1-Proxy-MIP	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Background-Class	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Class-Background-PHB	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Class-Converstional-PHB	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Class-Interactive-1-PHB	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Class-Interactive-2-PHB	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Class-Interactive-3-PHB	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Class-Streaming-PHB	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Conversation-Class	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Interactive1-Class	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Interactive2-Class	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Interactive3-Class	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Negotiated	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Renegotiation-Timeout	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Streaming-Class	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Tp-Dnlk	No	No	No	No	No	No	Yes	Yes

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN1-QoS-Tp-Uplk	No	No	No	No	No	No	Yes	Yes
SN1-QoS-Traffic-Policy	No	No	No	No	No	No	Yes	Yes
SN1-Rad-APN-Name	No	No	No	No	No	No	Yes	Yes
SN1-Radius-Returned-Username	No	No	No	No	No	No	Yes	Yes
SN1-Re-CHAP-Interval	No	No	No	No	No	No	Yes	Yes
SN1-Roaming-Behavior	No	No	No	No	No	No	Yes	Yes
SN1-Roaming-Profile	No	No	No	No	No	No	Yes	Yes
SN1-Roaming-Status	No	No	No	No	No	No	Yes	Yes
SN1-Roaming-Sub-Use-GGSN	No	No	No	No	No	No	Yes	Yes
SN1-ROHC-Direction	No	No	No	No	No	No	Yes	Yes
SN1-ROHC-Flow-Marking-Mode	No	No	No	No	No	No	Yes	Yes
SN1-ROHC-Mode	No	No	No	No	No	No	Yes	Yes
SN1-ROHC-Profile-Name	No	No	No	No	No	No	Yes	Yes
SN1-Routing-Area-Id	No	No	No	No	No	No	Yes	Yes
SN1-Rulebase	No	No	No	No	No	No	Yes	Yes
SN1-Secondary-DCCA-Peer	No	No	No	No	No	No	Yes	Yes
SN1-Secondary-DNS-Server	No	No	No	No	No	No	Yes	Yes
SN1-Secondary-NBNS-Server	No	No	No	No	No	No	Yes	Yes
SN1-Service-Address	No	No	No	No	No	No	Yes	Yes
SN1-Service-Type	No	No	No	No	No	No	Yes	Yes
SN1-Simultaneous-SIP-MIP	No	No	No	No	No	No	Yes	Yes
SN1-Subs-Acc-Flow-Traffic-Valid	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Accounting	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Acct-Interim	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Acct-Mode	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Acct-Rsp-Action	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Acct-Start	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Acct-Stop	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Class	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Dormant-Activity	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-IP-Hdr-Neg-Mode	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-IP-TOS-Copy	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Nexthop-Address	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-No-Interims	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Permission	No	No	No	No	No	No	Yes	Yes
SN1-Subscriber-Template-Name	No	No	No	No	No	No	Yes	Yes
SN1-Subs-IMSA-Service-Name	No	No	No	No	No	No	Yes	Yes
SN1-Subs-VJ-Slotid-Cmp-Neg-Mode	No	No	No	No	No	No	Yes	Yes
SN1-Tp-Dnlk-Burst-Size	No	No	No	No	No	No	Yes	Yes
SN1-Tp-Dnlk-Committed-Data-Rate	No	No	No	No	No	No	Yes	Yes
SN1-Tp-Dnlk-Exceed-Action	No	No	No	No	No	No	Yes	Yes
SN1-Tp-Dnlk-Peak-Data-Rate	No	No	No	No	No	No	Yes	Yes
SN1-Tp-Dnlk-Violate-Action	No	No	No	No	No	No	Yes	Yes
SN1-Tp-Uplk-Burst-Size	No	No	No	No	No	No	Yes	Yes
SN1-Tp-Uplk-Committed-Data-Rate	No	No	No	No	No	No	Yes	Yes
SN1-Tp-Uplk-Exceed-Action	No	No	No	No	No	No	Yes	Yes
SN1-Tp-Uplk-Peak-Data-Rate	No	No	No	No	No	No	Yes	Yes
SN1-Tp-Uplk-Violate-Action	No	No	No	No	No	No	Yes	Yes
SN1-Traffic-Group	No	No	No	No	No	No	Yes	Yes

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN1-Transparent-Data	No	No	No	No	No	No	Yes	Yes
SN1-Tun-Addr-Policy	No	No	No	No	No	No	Yes	Yes
SN1-Tunnel-Gn	No	No	No	No	No	No	Yes	Yes
SN1-Tunnel-ISAKMP-Crypto-Map	No	No	No	No	No	No	Yes	Yes
SN1-Tunnel-ISAKMP-Secret	No	No	No	No	No	No	Yes	Yes
SN1-Tunnel-Load-Balancing	No	No	No	No	No	No	Yes	Yes
SN1-Tunnel-Password	No	No	No	No	No	No	Yes	Yes
SN1-Unclassify-List-Name	No	No	No	No	No	No	Yes	Yes
SN1-Virtual-APN-Name	No	No	No	No	No	No	Yes	Yes
SN1-Visiting-Behavior	No	No	No	No	No	No	Yes	Yes
SN1-Visiting-Profile	No	No	No	No	No	No	Yes	Yes
SN1-Visiting-Sub-Use-GGSN	No	No	No	No	No	No	Yes	Yes
SN1-Voice-Push-List-Name	No	No	No	No	No	No	Yes	Yes
SN1-VPN-ID	No	No	No	No	No	No	Yes	Yes
SN1-VPN-Name	No	No	No	No	No	No	Yes	Yes
SNA1-PPP-Unfr-data-In-Gig	No	No	No	No	No	No	Yes	Yes
SNA1-PPP-Unfr-data-In-Oct	No	No	No	No	No	No	Yes	Yes
SNA1-PPP-Unfr-data-Out-Gig	No	No	No	No	No	No	Yes	Yes
SNA1-PPP-Unfr-data-Out-Oct	No	No	No	No	No	No	Yes	Yes
SN-Access-link-IP-Frag	No	No	No	No	Yes	Yes	No	No
SN-Acct-Input-Giga-Dropped	No	No	No	No	Yes	Yes	No	No
SN-Acct-Input-Octets-Dropped	No	No	No	No	Yes	Yes	No	No
SN-Acct-Input-Packets-Dropped	No	No	No	No	Yes	Yes	No	No
SN-Acct-Output-Giga-Dropped	No	No	No	No	Yes	Yes	No	No
SN-Acct-Output-Octets-Dropped	No	No	No	No	Yes	Yes	No	No
SN-Acct-Output-Packets-Dropped	No	No	No	No	Yes	Yes	No	No
SN-Acs-Credit-Control-Group	No	No	No	No	Yes	Yes	No	No
SN-Admin-Expiry	No	No	No	No	Yes	Yes	No	No
SN-Admin-Permission	No	No	No	No	Yes	Yes	No	No
SNA-Input-Gigawords	No	No	No	No	No	No	No	No
SNA-Input-Octets	No	No	No	No	No	No	No	No
SN-ANID	No	No	No	No	No	No	No	No
SNA-Output-Gigawords	No	No	No	No	No	No	No	No
SNA-Output-Octets	No	No	No	No	No	No	No	No
SNA-PPP-Bad-Addr	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Bad-Ctrl	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Bad-FCS	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Ctrl-Input-Octets	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Ctrl-Input-Packets	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Ctrl-Output-Octets	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Ctrl-Output-Packets	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Discards-Input	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Discards-Output	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Echo-Req-Input	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Echo-Req-Output	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Echo-Rsp-Input	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Echo-Rsp-Output	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Errors-Input	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Errors-Output	No	No	No	No	Yes	Yes	No	No

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SNA-PPP-Framed-Input-Octets	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Framed-Output-Octets	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Packet-Too-Long	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Unfr-data-In-Gig	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Unfr-data-In-Oct	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Unfr-data-Out-Gig	No	No	No	No	Yes	Yes	No	No
SNA-PPP-Unfr-data-Out-Oct	No	No	No	No	Yes	Yes	No	No
SNA-RPRAK-Rcvd-Acc-Ack	No	No	No	No	Yes	Yes	No	No
SNA-RPRAK-Rcvd-Mis-ID	No	No	No	No	Yes	Yes	No	No
SNA-RPRAK-Rcvd-Msg-Auth-Fail	No	No	No	No	Yes	Yes	No	No
SNA-RPRAK-Rcvd-Total	No	No	No	No	Yes	Yes	No	No
SNA-RP-Reg-Reply-Sent-Acc-Dereg	No	No	No	No	Yes	Yes	No	No
SNA-RP-Reg-Reply-Sent-Acc-Reg	No	No	No	No	Yes	Yes	No	No
SNA-RP-Reg-Reply-Sent-Bad-Req	No	No	No	No	Yes	Yes	No	No
SNA-RP-Reg-Reply-Sent-Denied	No	No	No	No	Yes	Yes	No	No
SNA-RP-Reg-Reply-Sent-Mis-ID	No	No	No	No	Yes	Yes	No	No
SNA-RP-Reg-Reply-Sent-Send-Err	No	No	No	No	Yes	Yes	No	No
SNA-RP-Reg-Reply-Sent-Total	No	No	No	No	Yes	Yes	No	No
SNA-RP-Reg-Upd-Re-Sent	No	No	No	No	Yes	Yes	No	No
SNA-RP-Reg-Upd-Send-Err	No	No	No	No	Yes	Yes	No	No
SNA-RP-Reg-Upd-Sent	No	No	No	No	Yes	Yes	No	No
SNA-RPRRQ-Rcvd-Acc-Dereg	No	No	No	No	Yes	Yes	No	No
SNA-RPRRQ-Rcvd-Acc-Reg	No	No	No	No	Yes	Yes	No	No
SNA-RPRRQ-Rcvd-Badly-Formed	No	No	No	No	Yes	Yes	No	No
SNA-RPRRQ-Rcvd-Mis-ID	No	No	No	No	Yes	Yes	No	No
SNA-RPRRQ-Rcvd-Msg-Auth-Fail	No	No	No	No	Yes	Yes	No	No
SNA-RPRRQ-Rcvd-T-Bit-Not-Set	No	No	No	No	Yes	Yes	No	No
SNA-RPRRQ-Rcvd-Total	No	No	No	No	Yes	Yes	No	No
SNA-RPRRQ-Rcvd-VID-Unsupported	No	No	No	No	Yes	Yes	No	No
SN-Assigned-VLAN-ID	No	No	No	No	Yes	Yes	No	No
SN-Authorised-Qos	No	No	No	No	Yes	Yes	No	No
SN-Bandwidth-Policy	No	No	No	No	Yes	Yes	No	No
SN-Call-Id	No	No	No	No	Yes	Yes	No	No
SN-Cause-Code	No	No	No	No	Yes	Yes	No	No
SN-Cause-For-Rec-Closing	No	No	No	No	Yes	Yes	No	No
SN-CBB-Policy	No	No	No	No	Yes	Yes	No	No
SN-CF-Call-International	No	No	No	No	Yes	Yes	No	No
SN-CF-Call-Local	No	No	No	No	Yes	Yes	No	No
SN-CF-Call-LongDistance	No	No	No	No	Yes	Yes	No	No
SN-CF-Call-Premium	No	No	No	No	Yes	Yes	No	No
SN-CF-Call-RoamingInternatnl	No	No	No	No	Yes	Yes	No	No
SN-CF-Call-Transfer	No	No	No	No	Yes	Yes	No	No
SN-CF-Call-Waiting	No	No	No	No	Yes	Yes	No	No
SN-CF-CId-Display	No	No	No	No	Yes	Yes	No	No
SN-CF-CId-Display-Blocked	No	No	No	No	Yes	Yes	No	No
SN-CF-Follow-Me	No	No	No	No	Yes	Yes	No	No
SN-CF-Forward-Busy-Line	No	No	No	No	Yes	Yes	No	No
SN-CF-Forward-No-Answer	No	No	No	No	Yes	Yes	No	No
SN-CF-Forward-Not-Regd	No	No	No	No	Yes	Yes	No	No

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN-CF-Forward-Unconditional	No	No	No	No	Yes	Yes	No	No
SN-CFPolicy-ID	No	No	No	No	Yes	Yes	No	No
SN-Change-Condition	No	No	No	No	Yes	Yes	No	No
SN-Charging-VPN-Name	No	No	No	No	Yes	Yes	No	No
SN-Chrg-Char-Selection-Mode	No	No	No	No	Yes	Yes	No	No
SN-Congestion-Mgmt-Policy	No	No	No	No	Yes	Yes	No	No
SN-Content-Disposition	No	No	No	No	Yes	Yes	No	No
SN-Content-Length	No	No	No	No	Yes	Yes	No	No
SN-Content-Type	No	No	No	No	Yes	Yes	No	No
SN-CR-International-Cid	No	No	No	No	Yes	Yes	No	No
SN-CR-LongDistance-Cid	No	No	No	No	Yes	Yes	No	No
SN-CSCF-App-Server-Info	No	No	No	No	Yes	Yes	No	No
SN-CSCF-Rf-SDP-Media-Components	No	No	No	No	Yes	Yes	No	No
SN-Cscf-Subscriber-Ip-Address	No	No	No	No	Yes	Yes	No	No
SN-Customer-ID	No	No	No	No	Yes	Yes	No	No
SN-Data-Tunnel-Ignore-DF-Bit	No	No	No	No	Yes	Yes	No	No
SN-DHCP-Lease-Expiry-Policy	No	No	No	No	Yes	Yes	No	No
SN-DHCP-Options	No	No	No	No	Yes	Yes	No	No
SN-Direction	No	No	No	No	Yes	Yes	No	No
SN-Disconnect-Reason	No	No	No	No	Yes	Yes	No	No
SN-DNS-Proxy-Intercept-List	No	No	No	No	Yes	Yes	No	No
SN-DNS-Proxy-Use-Subscr-Addr	No	No	No	No	Yes	Yes	No	No
SN-Dynamic-Addr-Alloc-Ind-Flag	No	No	No	No	Yes	Yes	No	No
SN-Ecs-Data-Volume	No	No	No	No	Yes	Yes	No	No
SN-Enable-QoS-Renegotiation	No	No	No	No	Yes	Yes	No	No
SN-Event	No	No	No	No	Yes	Yes	No	No
SN-Ext-Inline-Srvr-Context	No	No	No	No	Yes	Yes	No	No
SN-Ext-Inline-Srvr-Down-Addr	No	No	No	No	Yes	Yes	No	No
SN-Ext-Inline-Srvr-Down-VLAN	No	No	No	No	Yes	Yes	No	No
SN-Ext-Inline-Srvr-Preference	No	No	No	No	Yes	Yes	No	No
SN-Ext-Inline-Srvr-Up-Addr	No	No	No	No	Yes	Yes	No	No
SN-Ext-Inline-Srvr-Up-VLAN	No	No	No	No	Yes	Yes	No	No
SN-Fast-Reauth-Username	No	No	No	No	Yes	Yes	No	No
SN-Firewall-Enabled	No	No	No	No	Yes	Yes	No	No
SN-Firewall-Policy	No	No	No	No	Yes	Yes	No	No
SN-FMC-Location	No	No	No	No	Yes	Yes	No	No
SN-GGSN-Address	No	No	No	No	Yes	Yes	No	No
SN-GGSN-MIP-Required	No	No	No	No	Yes	Yes	No	No
SN-Gratuitous-ARP-Aggressive	No	No	No	No	Yes	Yes	No	No
SN-GTP-Version	No	No	No	No	Yes	Yes	No	No
SN-Handoff-Indicator	No	No	No	No	Yes	Yes	No	No
SN-HA-Send-DNS-Address	No	No	No	No	Yes	Yes	No	No
SN-Home-Behavior	No	No	No	No	Yes	Yes	No	No
SN-Home-Profile	No	No	No	No	Yes	Yes	No	No
SN-Home-Sub-Use-GGSN	No	No	No	No	Yes	Yes	No	No
SN-Ignore-Unknown-HA-Addr-Error	No	No	No	No	Yes	Yes	No	No
SN-IMS-AM-Address	No	No	No	No	Yes	Yes	No	No
SN-IMS-AM-Domain-Name	No	No	No	No	Yes	Yes	No	No
SN-IMS-Charging-Identifier	No	No	No	No	Yes	Yes	No	No

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN-IMSI	No	No	No	No	Yes	Yes	No	No
SN-Inactivity-Time	No	No	No	No	Yes	Yes	No	No
SN-Internal-SM-Index	No	No	No	No	Yes	Yes	No	No
SN-IP-Alloc-Method	No	No	No	No	Yes	Yes	No	No
SN-IP-Filter-In	No	No	No	No	Yes	Yes	No	No
SN-IP-Filter-Out	No	No	No	No	Yes	Yes	No	No
SN-IP-Header-Compression	No	No	No	No	Yes	Yes	No	No
SN-IP-Hide-Service-Address	No	No	No	No	Yes	Yes	No	No
SN-IP-In-ACL	No	No	No	No	Yes	Yes	No	No
SN-IP-In-Plcy-Grp	No	No	No	No	Yes	Yes	No	No
SN-IP-Out-ACL	No	No	No	No	Yes	Yes	No	No
SN-IP-Out-Plcy-Grp	No	No	No	No	Yes	Yes	No	No
SN-IP-Pool-Name	No	No	No	No	Yes	Yes	No	No
SN-IP-Source-Validation	No	No	No	No	Yes	Yes	No	No
SN-IP-Source-Violate-No-Acct	No	No	No	No	Yes	Yes	No	No
SN-IP-Src-Validation-Drop-Limit	No	No	No	No	Yes	Yes	No	No
SN-IPv6-Alloc-Method	No	No	No	No	Yes	Yes	No	No
SN-IPv6-DNS-Proxy	No	No	No	No	Yes	Yes	No	No
SN-IPv6-Egress-Filtering	No	No	No	No	Yes	Yes	No	No
SN-IPv6-Min-Link-MTU	No	No	No	No	Yes	Yes	No	No
SN-IPv6-num-rtr-advt	No	No	No	No	Yes	Yes	No	No
SN-IPv6-Primary-DNS	No	No	No	No	Yes	Yes	No	No
SN-IPv6-rtr-advt-interval	No	No	No	No	Yes	Yes	No	No
SN-IPv6-Secondary-DNS	No	No	No	No	Yes	Yes	No	No
SN-IPv6-Sec-Pool	No	No	No	No	Yes	Yes	No	No
SN-IPv6-Sec-Prefix	No	No	No	No	Yes	Yes	No	No
SN-ISC-Template-Name	No	No	No	No	Yes	Yes	No	No
SN-Is-Unregistered-Subscriber	No	No	No	No	Yes	Yes	No	No
SN-L3-to-L2-Tun-Addr-Policy	No	No	No	No	Yes	Yes	No	No
SN-LBO-Acct-IN-Octets	No	No	No	No	Yes	Yes	No	No
SN-LBO-Acct-IN-Pkts	No	No	No	No	Yes	Yes	No	No
SN-LBO-Acct-Out-Octets	No	No	No	No	Yes	Yes	No	No
SN-LBO-Acct-Out-Pkts	No	No	No	No	Yes	Yes	No	No
SN-LI-Dest-Address	No	No	No	No	Yes	Yes	No	No
SN-Local-IP-Address	No	No	No	No	Yes	Yes	No	No
SN-Long-Duration-Action	No	No	No	No	Yes	Yes	No	No
SN-Long-Duration-Notification	No	No	No	No	Yes	Yes	No	No
SN-Long-Duration-Timeout	No	No	No	No	Yes	Yes	No	No
SN-Max-Sec-Contexts-Per-Subs	No	No	No	No	Yes	Yes	No	No
SN-Mediation-Acct-Rsp-Action	No	No	No	No	Yes	Yes	No	No
SN-Mediation-Enabled	No	No	No	No	Yes	Yes	No	No
SN-Mediation-No-Interims	No	No	No	No	Yes	Yes	No	No
SN-Mediation-VPN-Name	No	No	No	No	Yes	Yes	No	No
SN-Min-Compress-Size	No	No	No	No	Yes	Yes	No	No
SN-MIP-AAA-Assign-Addr	No	No	No	No	Yes	Yes	No	No
SN-MIP-ANCID	No	No	No	No	Yes	Yes	No	No
SN-MIP-Dual-Anchor	No	No	No	No	Yes	Yes	No	No
SN-MIP-HA-Assignment-Table	No	No	No	No	Yes	Yes	No	No
SN-MIP-Match-AAA-Assign-Addr	No	No	No	No	Yes	Yes	No	No

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN-MIP-MIN-Reg-Lifetime-Realm	No	No	No	No	Yes	Yes	No	No
SN-MIP-Reg-Lifetime-Realm	No	No	No	No	Yes	Yes	No	No
SN-MIP-Send-Ancid	No	No	No	No	Yes	Yes	No	No
SN-MIP-Send-Correlation-Info	No	No	No	No	Yes	Yes	No	No
SN-MIP-Send-Host-Config	No	No	No	No	Yes	Yes	No	No
SN-MIP-Send-Imsi	No	No	No	No	Yes	Yes	No	No
SN-MIP-Send-Term-Verification	No	No	No	No	Yes	Yes	No	No
SN-MN-HA-Hash-Algorithm	No	No	No	No	Yes	Yes	No	No
SN-MN-HA-Timestamp-Tolerance	No	No	No	No	Yes	Yes	No	No
SN-Mode	No	No	No	No	Yes	Yes	No	No
SN-MS-ISDN	No	No	No	No	Yes	Yes	No	No
SN-NAI-Construction-Domain	No	No	No	No	Yes	Yes	No	No
SN-NAT-IP-Address	No	No	No	No	Yes	Yes	No	No
SN-Node-Functionality	No	No	No	No	Yes	Yes	No	No
SN-NPU-Qos-Priority	No	No	No	No	Yes	Yes	No	No
SN-Ntk-Initiated-Ctx-Ind-Flag	No	No	No	No	Yes	Yes	No	No
SN-Ntk-Session-Disconnect-Flag	No	No	No	No	Yes	Yes	No	No
SN-Nw-Reachability-Server-Name	No	No	No	No	Yes	Yes	No	No
SN-Originating-IOI	No	No	No	No	Yes	Yes	No	No
SN-Overload-Disc-Connect-Time	No	No	No	No	Yes	Yes	No	No
SN-Overload-Disc-Inact-Time	No	No	No	No	Yes	Yes	No	No
SN-Overload-Disconnect	No	No	No	No	Yes	Yes	No	No
SN-PDG-TTG-Required	No	No	No	No	Yes	Yes	No	No
SN-PDIF-MIP-Release-TIA	No	No	No	No	Yes	Yes	No	No
SN-PDIF-MIP-Required	No	No	No	No	Yes	Yes	No	No
SN-PDIF-MIP-Simple-IP-Fallback	No	No	No	No	Yes	Yes	No	No
SN-PDSN-Correlation-Id	No	No	No	No	Yes	Yes	No	No
SN-PDSN-Handoff-Req-IP-Addr	No	No	No	No	Yes	Yes	No	No
SN-PDSN-NAS-Id	No	No	No	No	Yes	Yes	No	No
SN-PDSN-NAS-IP-Address	No	No	No	No	Yes	Yes	No	No
SN-Permit-User-Mcast-PDUs	No	No	No	No	Yes	Yes	No	No
SN-PPP-Accept-Peer-v6Ifid	No	No	No	No	Yes	Yes	No	No
SN-PPP-Always-On-Vse	No	No	No	No	Yes	Yes	No	No
SN-PPP-Data-Compression	No	No	No	No	Yes	Yes	No	No
SN-PPP-Data-Compression-Mode	No	No	No	No	Yes	Yes	No	No
SN-PPP-Keepalive	No	No	No	No	Yes	Yes	No	No
SN-PPP-NW-Layer-IPv4	No	No	No	No	Yes	Yes	No	No
SN-PPP-NW-Layer-IPv6	No	No	No	No	Yes	Yes	No	No
SN-PPP-Outbound-Password	No	No	No	No	Yes	Yes	No	No
SN-PPP-Outbound-Username	No	No	No	No	Yes	Yes	No	No
SN-PPP-Progress-Code	No	No	No	No	Yes	Yes	No	No
SN-PPP-Reneg-Disc	No	No	No	No	Yes	Yes	No	No
SN-Prepaid	No	No	No	No	Yes	Yes	No	No
SN-Prepaid-Compressed-Count	No	No	No	No	Yes	Yes	No	No
SN-Prepaid-Final-Duration-Alg	No	No	No	No	Yes	Yes	No	No
SN-Prepaid-Inbound-Octets	No	No	No	No	Yes	Yes	No	No
SN-Prepaid-Outbound-Octets	No	No	No	No	Yes	Yes	No	No
SN-Prepaid-Preference	No	No	No	No	Yes	Yes	No	No
SN-Prepaid-Timeout	No	No	No	No	Yes	Yes	No	No

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN-Prepaid-Total-Octets	No	No	No	No	Yes	Yes	No	No
SN-Prepaid-Watermark	No	No	No	No	Yes	Yes	No	No
SN-Primary-DCCA-Peer	No	No	No	No	Yes	Yes	No	No
SN-Primary-DNS-Server	No	No	No	No	Yes	Yes	No	No
SN-Primary-NBNS-Server	No	No	No	No	Yes	Yes	No	No
SN-Proxy-MIP	No	No	No	No	Yes	Yes	No	No
SN-Pseudonym-Username	No	No	No	No	Yes	Yes	No	No
SN-QoS-Background-Class	No	No	No	No	Yes	Yes	No	No
SN-QoS-Class-Background-PHB	No	No	No	No	Yes	Yes	No	No
SN-QoS-Class-Conversational-PHB	No	No	No	No	Yes	Yes	No	No
SN-QoS-Class-Interactive-1-PHB	No	No	No	No	Yes	Yes	No	No
SN-QoS-Class-Interactive-2-PHB	No	No	No	No	Yes	Yes	No	No
SN-QoS-Class-Interactive-3-PHB	No	No	No	No	Yes	Yes	No	No
SN-QoS-Class-Streaming-PHB	No	No	No	No	Yes	Yes	No	No
SN-QoS-Conversation-Class	No	No	No	No	Yes	Yes	No	No
SN-QOS-HLR-Profile	No	No	No	No	Yes	Yes	No	No
SN-QoS-Interactive1-Class	No	No	No	No	Yes	Yes	No	No
SN-QoS-Interactive2-Class	No	No	No	No	Yes	Yes	No	No
SN-QoS-Interactive3-Class	No	No	No	No	Yes	Yes	No	No
SN-QoS-Negotiated	No	No	No	No	Yes	Yes	No	No
SN-QoS-Renegotiation-Timeout	No	No	No	No	Yes	Yes	No	No
SN-QoS-Streaming-Class	No	No	No	No	Yes	Yes	No	No
SN-QoS-Tp-Dnlk	No	No	No	No	Yes	Yes	No	No
SN-QoS-Tp-Uplk	No	No	No	No	Yes	Yes	No	No
SN-QoS-Traffic-Policy	No	No	No	No	Yes	Yes	No	No
SN-Rad-APN-Name	No	No	No	No	Yes	Yes	No	No
SN-Radius-Returned-Username	No	No	No	No	Yes	Yes	No	No
SN-Re-CHAP-Interval	No	No	No	No	Yes	Yes	No	No
SN-Roaming-Behavior	No	No	No	No	Yes	Yes	No	No
SN-Roaming-Profile	No	No	No	No	Yes	Yes	No	No
SN-Roaming-Sub-Use-GGSN	No	No	No	No	Yes	Yes	No	No
SN-ROHC-Flow-Marking-Mode	No	No	No	No	Yes	Yes	No	No
SN-ROHC-Profile-Name	No	No	No	No	Yes	Yes	No	No
SN-Role-Of-Node	No	No	No	No	Yes	Yes	No	No
SN-Routing-Area-Id	No	No	No	No	Yes	Yes	No	No
SN-Rulebase	No	No	No	No	Yes	Yes	No	No
SN-SDP-Session-Description	No	No	No	No	Yes	Yes	No	No
SN-Sec-IP-Pool-Name	No	No	No	No	Yes	Yes	No	No
SN-Secondary-DCCA-Peer	No	No	No	No	Yes	Yes	No	No
SN-Secondary-DNS-Server	No	No	No	No	Yes	Yes	No	No
SN-Secondary-NBNS-Server	No	No	No	No	Yes	Yes	No	No
SN-Service-Address	No	No	No	No	Yes	Yes	No	No
SN-Service-Type	No	No	No	No	Yes	Yes	No	No
SN-Session-Id	No	No	No	No	Yes	Yes	No	No
SN-Simultaneous-SIP-MIP	No	No	No	No	Yes	Yes	No	No
SN-SIP-Method	No	No	No	No	Yes	Yes	No	No
SN-SIP-Request-Time-Stamp	No	No	No	No	Yes	Yes	No	No
SN-SIP-Response-Time-Stamp	No	No	No	No	Yes	Yes	No	No
SN-Software-Version	No	No	No	No	Yes	Yes	No	No

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN-Subs-Acc-Flow-Traffic-Valid	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Accounting	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Acct-Interim	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Acct-Mode	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Acct-Rsp-Action	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Acct-Start	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Acct-Stop	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Class	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Dormant-Activity	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-IP-Hdr-Neg-Mode	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-IP-TOS-Copy	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Nexthop-Address	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-No-Interims	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Permission	No	No	No	No	Yes	Yes	No	No
SN-Subscriber-Template-Name	No	No	No	No	Yes	Yes	No	No
SN-Subs-IMSA-Service-Name	No	No	No	No	Yes	Yes	No	No
SN-Subs-VJ-Slotid-Cmp-Neg-Mode	No	No	No	No	Yes	Yes	No	No
SN-Terminating-IOI	No	No	No	No	Yes	Yes	No	No
SN-Tp-Dnlk-Burst-Size	No	No	No	No	Yes	Yes	No	No
SN-Tp-Dnlk-Committed-Data-Rate	No	No	No	No	Yes	Yes	No	No
SN-Tp-Dnlk-Exceed-Action	No	No	No	No	Yes	Yes	No	No
SN-Tp-Dnlk-Peak-Data-Rate	No	No	No	No	Yes	Yes	No	No
SN-Tp-Dnlk-Violate-Action	No	No	No	No	Yes	Yes	No	No
SN-TPO-Policy	No	No	No	No	Yes	Yes	No	No
SN-Tp-Uplk-Burst-Size	No	No	No	No	Yes	Yes	No	No
SN-Tp-Uplk-Committed-Data-Rate	No	No	No	No	Yes	Yes	No	No
SN-Tp-Uplk-Exceed-Action	No	No	No	No	Yes	Yes	No	No
SN-Tp-Uplk-Peak-Data-Rate	No	No	No	No	Yes	Yes	No	No
SN-Tp-Uplk-Violate-Action	No	No	No	No	Yes	Yes	No	No
SN-Traffic-Group	No	No	No	No	Yes	Yes	No	No
SN-TrafficSelector-Class	No	No	No	No	Yes	Yes	No	No
SN-Transparent-Data	No	No	No	No	Yes	Yes	No	No
SN-Tun-Addr-Policy	No	No	No	No	Yes	Yes	No	No
SN-Tunnel-Gn	No	No	No	No	Yes	Yes	No	No
SN-Tunnel-ISAKMP-Crypto-Map	No	No	No	No	Yes	Yes	No	No
SN-Tunnel-ISAKMP-Secret	No	No	No	No	Yes	Yes	No	No
SN-Tunnel-Load-Balancing	No	No	No	No	Yes	Yes	No	No
SN-Tunnel-Password	No	No	No	No	Yes	Yes	No	No
SN-Unclassify-List-Name	No	No	No	No	Yes	Yes	No	No
SN-User-Privilege	No	No	No	No	Yes	No	No	No
SN-Virtual-APN-Name	No	No	No	No	Yes	Yes	No	No
SN-Visiting-Behavior	No	No	No	No	Yes	Yes	No	No
SN-Visiting-Profile	No	No	No	No	Yes	Yes	No	No
SN-Visiting-Sub-Use-GGSN	No	No	No	No	Yes	Yes	No	No
SN-Voice-Push-List-Name	No	No	No	No	Yes	Yes	No	No
SN-VPN-ID	No	No	No	No	Yes	Yes	No	No
SN-VPN-Name	No	No	No	No	Yes	Yes	No	No
SN-WiMAX-Auth-Only	No	No	No	No	Yes	Yes	No	No
SN-WLAN-AP-Identifier	No	No	No	No	Yes	Yes	No	No

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
SN-WLAN-UE-Identifier	No	No	No	No	Yes	Yes	No	No
SN-WSG-MIP-Release-TIA	No	No	No	No	Yes	Yes	No	No
SN-WSG-MIP-Required	No	No	No	No	Yes	Yes	No	No
SN-WSG-MIP-Simple-IP-Fallback	No	No	No	No	Yes	Yes	No	No
State	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Terminal-Capability	No	No	No	No	No	No	No	No
Termination-Action	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tunnel-Assignment-ID	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tunnel-Client-Auth-ID	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tunnel-Client-Endpoint	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tunnel-Medium-Type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tunnel-Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tunnel-Preference	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tunnel-Private-Group-ID	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tunnel-Server-Auth-ID	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tunnel-Server-Endpoint	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tunnel-Type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User-Name	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User-Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
White-List	No	No	No	No	Yes	Yes	Yes	Yes
WiMAX-Acct-Input-Packets-Giga	No	No	No	No	Yes	No	Yes	No
WiMAX-Acct-Output-Packets-Giga	No	No	No	No	Yes	No	Yes	No
WiMAX-Active-Time	No	No	No	No	Yes	No	Yes	No
WiMAX-Beginning-Of-Session	No	No	No	No	Yes	No	Yes	No
WiMAX-BS-ID	No	No	No	No	Yes	No	Yes	No
WiMAX-Capability	No	No	No	No	Yes	No	Yes	No
WiMAX-Control-Octets-In	No	No	No	No	Yes	No	Yes	No
WiMAX-Control-Octets-Out	No	No	No	No	Yes	No	Yes	No
WiMAX-Control-Packets-In	No	No	No	No	Yes	No	Yes	No
WiMAX-Control-Packets-Out	No	No	No	No	Yes	No	Yes	No
WiMAX-Count-Type	No	No	No	No	Yes	No	Yes	No
WiMAX-Device-Auth-Indicator	No	No	No	No	Yes	No	Yes	No
WiMAX-Flow-Description	No	No	No	No	Yes	No	Yes	No
WiMAX-Home-HNP-PMIP6	No	No	No	No	Yes	No	Yes	No
WiMAX-Home-IPv4-HoA-PMIP6	No	No	No	No	Yes	No	Yes	No
WiMAX-Idle-Mode-Transition	No	No	No	No	Yes	No	Yes	No
WiMAX-IP-Technology	No	No	No	No	Yes	No	Yes	No
WiMAX-NAP-ID	No	No	No	No	Yes	No	Yes	No
WiMAX-NSP-ID	No	No	No	No	Yes	No	Yes	No
WiMAX-Packet-Flow-Descriptor	No	No	No	No	Yes	No	Yes	No
WiMAX-Packet-Flow-Descriptor-V2	No	No	No	No	Yes	No	Yes	No
WiMAX-PDF-ID	No	No	No	No	Yes	No	Yes	No
WiMAX-PPAC	No	No	No	No	Yes	No	Yes	No
WiMAX-PPAQ	No	No	No	No	Yes	No	Yes	No
WiMAX-Prepaid-Indicator	No	No	No	No	Yes	No	Yes	No
WiMAX-Prepaid-Tariff-Switch	No	No	No	No	Yes	No	Yes	No
WiMAX-QoS-Descriptor	No	No	No	No	Yes	No	Yes	No
WiMAX-SDF-ID	No	No	No	No	Yes	No	Yes	No
WiMAX-Session-Continue	No	No	No	No	Yes	No	Yes	No

Attribute	standard	3gpp	3gpp2	3gpp2-835	starent	starent-835	starent-vsa1	starent-vsa1-835
WiMAX-Session-Term-Capability	No	No	No	No	Yes	No	Yes	No
Win-Call-Id	No	No	No	No	No	No	No	No
Win-Service-Name	No	No	No	No	No	No	No	No
WSType	No	No	No	No	No	No	No	No