

show call-control-profile

This chapter describes the output of the **show call-control-profile** command.

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show call-control-profile full name

This command displays the detailed configuration for a specifically named call control profile.

Table 1: show call-control-profile full name Command Output Descriptions

Field	Description
Call Control Profile Name	The name of the call control profile you chose to view.
Accounting Context Name	The name of the accounting context associated with this call control profile.
Accounting GTPP Group Name	The name of the GTTP accounting group associated with this call control profile.
Secondary GTPP Group Name	The name of the secondary GTTP accounting group associated with this S-GW call control profile.
Secondary GTPP Accounting Context Name	The accounting context used for secondary GTPP accounting.
Accounting Mode (SGW)	The method selected for S-GW accounting (GTTP [default], none, or RADIUS/Diameter).
GPRS Attach All	Indicates whether the call control profile allows or restricts attaches of all subscribers using the GPRS access type.
GPRS Attach All Failure Code	The configured GMM failure code to be sent in reject messages to GPRS mobile subscribers attempting to attach.
UMTS Attach All	Indicates whether the call control profile allows or restricts attaches of all subscribers using the UMTS access type.
UMTS Attach All Failure Code	The configured GMM failure code to be sent in reject messages to UMTS mobile subscribers attempting to attach.

Field	Description
GPRS RAU Intra All	Indicates whether the call control profile is configure to allow or restrict mobile subscribers with GPRS access-type extensions from the intra-SGSN RAU procedure.
GPRS RAU Intra All Failure Code	The configured GMM failure cause code that identifies the reason an intra-SGSN RAU does not occur. This GMM cause code will be sent in the reject message to the GPRS mobile subscriber.
UMTS RAU Intra All	Indicates whether the call control profile is configure to allow or restrict mobile subscribers with UMTS access-type extensions from the intra-RAU procedure.
UMTS RAU Intra All Failure Code	The configured GMM failure cause code that identifies the reason an intra-SGSN RAU does not occur. This GMM cause code will be sent in the reject message to the UMTS mobile subscriber.
GPRS RAU Inter-PLMN All	Indicates whether the call control profile is configure to allow or restrict mobile subscribers with GPRS access-type extensions from triggering RAUs between different PLMNs.
GPRS RAU Inter-PLMN All Failure Code	The configured GMM failure cause code that identifies the reason an RAU does not occur between different PLMNs. This GMM cause code will be sent in the reject message to the GPRS mobile subscriber.
UMTS RAU Inter-PLMN All	Indicates whether the call control profile is configure to allow or restrict mobile subscribers with UMTS access-type extensions from triggering RAUs between different PLMNs.
UMTS RAU Inter-PLMN All Failure Code	The configured GMM failure cause code that identifies the reason an RAU does not occur between different PLMNs. This GMM cause code will be sent in the reject message to the UMTS mobile subscriber.
GPRS RAU Inter All	Indicates whether the call control profile is configure to allow or restrict mobile subscribers with GPRS access-type extensions from the inter-SGSN RAU procedure.
GPRS RAU Inter All Failure Code	The configured GMM failure cause code that identifies the reason an inter-SGSN RAU does not occur. This GMM cause code will be sent in the reject message to the GPRS mobile subscriber.
UMTS RAU Inter All	Indicates whether the call control profile is configure to allow or restrict mobile subscribers with UMTS access-type extensions from the inter-RAU procedure.
UMTS RAU Inter All Failure Code	The configured GMM failure cause code that identifies the reason an inter-SGSN RAU does not occur. This GMM cause code will be sent in the reject message to the UMTS mobile subscriber.

Field	Description
Failure Code For Peer Sgsn Address Resolution Failure	The configured GMM failure cause code that indicates that the SGSN cannot resolve the IP address for a peer SGSN. This GMM cause code will be sent in the reject message to the mobile subscriber.
GPRS SMS MO All	Indicates whether the call control profile allows or restricts mobile-originated SMS messages from subscribers using the GPRS access type.
GPRS SMS MO All Failure Code	The configured GMM failure cause code that indicates that mobile-originated SMS messages from GPRS subscribers are not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
UMTS SMS MO All	Indicates whether the call control profile allows or restricts mobile-originated SMS messages from subscribers using the UMTS access type.
UMTS SMS MO All Failure Code	The configured GMM failure cause code that indicates that mobile-originated SMS messages from UMTS subscribers are not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
GPRS SMS MT All	Indicates whether the call control profile allows or restricts mobile-terminated SMS messages to subscribers using the GPRS access type.
GPRS SMS MT All Failure Code	The configured GMM failure cause code that indicates that mobile-terminated SMS messages to GPRS subscribers are not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
UMTS SMS MT All	Indicates whether the call control profile allows or restricts mobile-terminated SMS messages to subscribers using the UMTS access type.
UMTS SMS MT All Failure Code	The configured GMM failure cause code that indicates that mobile-terminated SMS messages to UMTS subscribers are not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
GPRS Primary PDP Context Activation All	Indicates whether primary PDP context activation is allowed for GPRS mobile subscribers.
GPRS Secondary PDP Context Activation All	Indicates whether secondary PDP context activation is allowed for GPRS mobile subscribers.
GPRS PDP Context Activation All Failure Code	The configured GMM failure cause code that indicates that PDP context activation by GPRS subscribers is not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.

Field	Description
UMTS Primary PDP Context Activation All	Indicates whether primary PDP context activation is allowed for UMTS mobile subscribers.
UMTS Secondary PDP Context Activation All	Indicates whether secondary PDP context activation is allowed for UMTS mobile subscribers.
UMTS PDP Context Activation All Failure Code	The configured GMM failure cause code that indicates that PDP context activation by UMTS subscribers is not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
GPRS Nw Init Primary PDP Context Activation All	Indicates whether network-initiated primary PDP context activation is allowed for GPRS mobile subscribers.
GPRS Nw Init Primary PDP Ctxt Activation All Failure Code	The configured GMM failure cause code that indicates that network-initiated primary PDP context activation by GPRS subscribers is not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
GPRS Nw Init Secondary PDP Ctxt Activation All	Indicates whether network-initiated secondary PDP context activation is allowed for GPRS mobile subscribers.
GPRS Nw Init Secondary PDP Ctxt Activation All Failure Code	The configured GMM failure cause code that indicates that network-initiated secondary PDP context activation by GPRS subscribers is not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
UMTS Nw Init Primary PDP Context Activation All	Indicates whether network-initiated primary PDP context activation is allowed for UMTS mobile subscribers.
UMTS Nw Init Primary PDP Ctxt Activation All Failure Code	The configured GMM failure cause code that indicates that network-initiated primary PDP context activation by UMTS subscribers is not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
UMTS Nw Init Secondary PDP Ctxt Activation All	Indicates whether network-initiated secondary PDP context activation is allowed for UMTS mobile subscribers.
UMTS Nw Init Secondary PDP Ctxt Activation All Failure Code	The configured GMM failure cause code that indicates that network-initiated secondary PDP context activation by UMTS subscribers is not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
SRNS Intra All	Indicates whether intra-SRNS (Serving Radio Network Subsystem) relocation is allowed for mobile subscribers.
SRNS Intra All Failure Code	The configured GMM failure cause code that indicates that intra-SRNS relocation is not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
SRNS Inter All	Indicates whether inter-SRNS relocation is allowed for mobile subscribers.

Field	Description
SRNS Inter All Failure Code	The configured GMM failure cause code that indicates that inter-SRNS relocation is not permitted. This GMM cause code will be sent in the reject message to the mobile subscriber.
S6a Hss Service	Indicates the name of the home subscriber server, if configured, that the SGSN will access via the S6a interface.
S13 Hss Service	If configured, indicates the name of the home subscriber server that the SGSN will access via the S13 interface.
S6d Hss Service	S4-SGSN only. Indicates the name of the home subscriber server, if configured, that the SGSN will access via the S6d interface to obtain subscriber-related information.
S13 prime Hss Service	S4-SGSN only. Indicates the name of the home subscriber server (HSS), if configured, that the SGSN will access via the S13' interface to perform Mobile Equipment Identity checks.
Preferred Subscription Interface	If configured, indicates the preferred subscription interface (HLR or HSS). HLR indicates that the MAP protocol will be used to exchange messages with the HLR. HSS indicates that the Diameter protocol will be used to exchange messages with the HSS. The preferred subscription interface is displayed as **hss for epc-ue** if **prefer subscription-interface hss epc-ue** is configured under the Call Control Profile. This keyword is configured to select the HSS interface for EPC capable subscribers.
DNS GGSN Context	On an S4-SGSN, indicates the context associated for DNS lookup for a GGSN.
DNS SGSN Context	On an S4-SGSN, indicates the context associated for DNS lookup for an SGSN.
DNS PGW Context	Indicates the context associated for DNS lookup for a P-GW.
DNS SGW Context	Indicates the context associated for DNS lookup for an S-GW.
DNS MSC Context	On an MME, indicates the context associated for DNS lookup for an Mobile Switching Center (MSC).
Sgtp-service Context	The name of the context that has the applicable SGTP service for this call control profile associated with it.
Service	The name of the SGTP service associated with the context.
Authentication All-Events	Indicates whether authentication for all events (attaches, activates, and so forth) has been enabled or disabled.
Authentication Attach	Indicates whether authentication for an Attach with a local P-TMSI or Attaches with an IMSI has been enabled or disabled.

Field	Description
Authentication Attach (Inter RAT)	Indicates whether Attach message authentication has been enabled or disabled for re-authorizing subscribers on a change in Radio Access Type (RAT) of the subscriber's node.
Authentication Attach (Gprs only)	Indicates whether Attach message authentication has been enabled or disabled for calls from GPRS mobile subscribers.
Authentication Attach (Combined)	Indicates whether authentication for combined GPRS/IMSI Attaches has been enabled or disabled.
Authentication Activate	Indicates whether authentication for activate requests has been enabled or disabled.
Authentication Service Request	Indicates whether authentication for all service requests has been enabled or disabled.
Authentication Service Request (Signaling)	Indicates whether authentication for signaling service requests has been enabled or disabled.
Authentication Service Request (Data)	Indicates whether authentication for data service requests has been enabled or disabled.
Authentication Service Request (Page Response)	Indicates whether authentication for page response service requests has been enabled or disabled.
Authentication RAU	Indicates whether authentication for routing area updates has been enabled or disabled.
Authentication RAU (Periodic)	Indicates whether authentication for periodic RAU Requests has been enabled or disabled.
Authentication RAU (Ra update)	Indicates whether authentication for RA update RAU Requests has been enabled or disabled.
Authentication RAU (Ra update with Local Ptmsi)	Indicates whether authentication for RA update using the local P-TMSI type of RAU Requests has been enabled or disabled.
Authentication RAU (Ra update with Foreign Ptmsi)	Indicates whether authentication for RA update using foreign P-TMSI type of RAU Requests has been enabled or disabled.
Authentication RAU (Imsi Combined Update)	Indicates whether authentication for RA update RAU Requests using the inter-RAT P-TMSI has been enabled or disabled.
Authentication RAU (Combined Update)	Indicates whether authentication for RAU Requests using the local P-TMSI has been enabled or disabled.
Authentication RAU (Combined Update IRAT PTMSI)	Indicates whether authentication for RAU Requests using inter-RAT and the local P-TMSI has been enabled or disabled.
Authentication RAU (Imsi Combined Update)	Indicates whether authentication for RAU Requests using IMSI and local P-TMSI values has been enabled or disabled.

Field	Description
Authentication RAU (Imsi Combined Update IRAT PTMSI)	Indicates whether authentication for RAU Requests using IMSI values, inter-RAT, and the local P-TMSI has been enabled or disabled.
Authentication Detach	Indicates whether authentication for Detach Requests has been enabled or disabled.
Authentication SMS	Indicates whether authentication for all SMS messages has been enabled or disabled.
Authentication SMS (MO-SMS)	Indicates whether authentication for mobile-originated SMS messages has been enabled or disabled.
Authentication SMS (MT-SMS)	Indicates whether authentication for mobile-terminated SMS messages has been enabled or disabled.
Regional Subscription Restriction Failure Code Value	The configured GMM failure cause code that indicates that mobile subscriber lacks the required subscription to place calls to the region. This GMM cause code will be sent in the reject message to the mobile subscriber.
ARD-Checking	Indicates whether access restriction data (ARD) checking in incoming subscriber data (ISD) messages has been enabled or disabled.
ARD Failure Code	The configured GMM failure cause code that indicates the incoming subscriber data has failed ARD checking. This GMM cause code will be sent in the reject message to the mobile subscriber.
Access Restriction Data	Indicates if the eutran-not-allowed parameter is enabled to verride the "eutran-not-allowed" flag received from the HLR/HSS in the ISD/ULA request for the Access Restriction Data (ARD) parameter. The helps ensure that an SRNS relocation handover to E-UTRAN is not allowed for E-UTRAN capable UEs that have only a UTRAN/GERAN roaming agreement.
Zone-Code Check	Indicates whether zone code checking has been enabled or disabled.
Usage of Auth Vectors From Old Sgsn	Indicates whether the ability of an SGSN to receive authorization vectors from other SGSNs has been enabled or disabled.
SGSN Address	Provides information on how the peer SGSN is configured, including the peer IP address, RAC and LAC values or RNC_ID, and interface type.
PEER-MME	Provides information on how the peer MME is configured, including the peer IP address, MME Group ID or TAC, and interface type.
Order of Preference for Integrity Algorithm is	The integrity algorithm that receives the first priority.

Field	Description
Order of Preference for Encryption Algorithm is	The encryption algorithm that receives the first priority.
Order of Preference for Gprs Ciphering Algorithm is	The GPRS ciphering algorithm that receives the first priority.
PTMSI-signature allocation	Indicates whether P-TMSI signature allocation has been enabled or disabled.
PTMSI-Signature-Realloc Interval value UMTS	The time interval (in minutes) for skipping the P-TMSI signature service/RAU/attach request message procedure for UMTS mobile subscribers.
PTMSI-Signature-Realloc Interval value GPRS	The time interval (in minutes) for skipping the P-TMSI signature service/RAU/attach request message procedure for GPRS mobile subscribers.
PTMSI-Signature-Realloc Frequency value UMTS	How many times P-TMSI signature reallocation for service requests can be skipped for UMTS mobile subscribers.
PTMSI-Signature-Realloc Frequency value GPRS	How many times P-TMSI signature reallocation for service requests can be skipped for GPRS mobile subscribers.
PTMSI-Signature-Realloc Attach Frequency value UMTS	How many times P-TMSI signature reallocation for Attach requests can be skipped for UMTS mobile subscribers.
PTMSI-Signature-Realloc Attach Frequency value GPRS	How many times P-TMSI signature reallocation for Attach requests can be skipped for GPRS mobile subscribers.
PTMSI-Signature-Realloc RAU (Generic) Frequency value UMTS	How many times P-TMSI signature reallocation for routing area updates can be skipped for UMTS mobile subscribers.
PTMSI-Signature-Realloc RAU (Generic) Frequency value GPRS	How many times P-TMSI signature reallocation for routing area updates can be skipped for GPRS mobile subscribers.
PTMSI-Signature-Realloc RAU Periodic Frequency value UMTS	How many times P-TMSI signature reallocation for periodic routing area updates can be skipped for UMTS mobile subscribers.
PTMSI-Signature-Realloc RAU Periodic Frequency value GPRS	How many times P-TMSI signature reallocation for periodic routing area updates can be skipped for GPRS mobile subscribers.
PTMSI-Signature-Realloc RAU RA Update Frequency value UMTS	How many times P-TMSI signature reallocation for routing area update RA updates can be skipped for UMTS mobile subscribers.
PTMSI-Signature-Realloc RAU RA Update Frequency value GPRS	How many times P-TMSI signature reallocation for routing area update RA updates can be skipped for GPRS mobile subscribers.
PTMSI-Signature-Realloc RAU Combined Update Frequency value UMTS	How many times P-TMSI signature reallocation for combined requests can be skipped for UMTS mobile subscribers.
PTMSI-Signature-Realloc RAU Combined Update Frequency value GPRS	How many times P-TMSI signature reallocation for combined requests can be skipped for GPRS mobile subscribers.

Field	Description
PTMSI-Signature-Realloc RAU Imsi Combined Update Frequency value UMTS	How many times P-TMSI signature reallocation for combined RAU updates with IMSI values can be skipped for UMTS mobile subscribers.
PTMSI-Signature-Realloc RAU Imsi Combined Update Frequency value GPRS	How many times P-TMSI signature reallocation for combined RAU updates with IMSI values can be skipped for GPRS mobile subscribers.
PTMSI-Signature-Realloc Ptmsi-Reallocation-Cmd Update Frequency value UMTS	How many times P-TMSI signature reallocation during PTMSI reallocation can be skipped for UMTS mobile subscribers.
PTMSI-Signature-Realloc Ptmsi-Reallocation-Cmd Update Frequency value GPRS	How many times P-TMSI signature reallocation during PTMSI reallocation can be skipped for GPRS mobile subscribers.
PTMSI-Realloc Attach	Indicates whether P-TMSI reallocation has been enabled or disabled.
PTMSI-Realloc Interval	The time interval (in minutes) for skipping the P-TMSI reallocation during the service/RAU/attach request message procedure.
PTMSI-Realloc Frequency	How many times P-TMSI reallocation can be skipped during service/RAU/attach request message procedure.
PTMSI-Realloc RAU	Indicates whether P-TMSI reallocation during routing area updates has been enabled or disabled.
PTMSI-Realloc RAU (Periodic)	Indicates whether P-TMSI reallocation during periodic routing area updates has been enabled or disabled.
PTMSI-Realloc RAU (Periodic) Frequency value	How many times P-TMSI reallocation can be skipped during the periodic RAU message procedure.
PTMSI-Realloc RAU (Ra-Update)	Indicates whether P-TMSI reallocation during the RA update RAU request procedure has been enabled or disabled.
PTMSI-Realloc RAU (Ra-Update) Frequency	How many times P-TMSI reallocation can be skipped during the RA update RAU message procedure.
PTMSI-Realloc RAU (Combined-Update)	Indicates whether P-TMSI reallocation during the RAU combined update procedure has been enabled or disabled.
PTMSI-Realloc RAU (Combined-Update) Frequency	How many times P-TMSI reallocation can be skipped during the RAU combined update message procedure.
PTMSI-Realloc RAU (Combined-Update with IMSI attach)	Indicates whether P-TMSI reallocation during the RAU combined update with IMSI procedure has been enabled or disabled.
PTMSI-Realloc RAU (Combined-Update with IMSI) Frequency	How many times P-TMSI reallocation can be skipped during the RAU combined update with IMSI message procedure.
PTMSI-Realloc Service Request (Signalling)	Indicates whether P-TMSI reallocation during signaling service requests has been enabled or disabled.

Field	Description
PTMSI-Realloc Service Request (Signalling) Freq	How many times P-TMSI reallocation can be skipped during the signaling service request message procedure.
PTMSI-Realloc Service Request (Data)	Indicates whether P-TMSI reallocation during data service requests has been enabled or disabled.
PTMSI-Realloc Service Request (Data) Freq	How many times P-TMSI reallocation can be skipped during the data service request message procedure.
PTMSI-Realloc Service Request (Page Response)	Indicates whether P-TMSI reallocation during page response service requests has been enabled or disabled.
PTMSI-Realloc Service Request (Page Response) Freq	How many times P-TMSI reallocation can be skipped during the page response service request message procedure.
Inactivity detection for establishing pdp contexts	Indicates whether an SGSN will be periodic polled to verify that it can accept requests to establish a PDP context.
Inactivity detection for establishing pdp contexts - Timer	The timeout value in milliseconds for determining that a SGSN is unresponsive.
Inactivity detection for establishing pdp contexts - Action	The action to be taken if a SGSN is declared unresponsive.
Monitor Re-attaches after Inactivity Detach	Indicates whether the SGSN will be monitored to determine if it has become responsive again after an inactivity timeout and detach.
Charging Characteristics Prefer Local	When enabled, indicates whether the call-control profile prefers the charging characteristics settings from the call control profile instead of the charging characteristics received from the HLR.
Charging Characteristics Behavior	The behavior bit in charging characteristics provided by the call control profile when the HLR does not provide a value.
Charging Characteristics Profile-Index	The charging characteristics profile index specified by the call control profile, such as 4 for prepaid billing or 8 for normal billing.
Charging Characteristics Behavior No Records	The behavior bit in charging characteristics that is used to determine that no accounting records will be generated.
APN restriction	If this feature is enable, the SGSN sends the maximum APN restriction value in every CPC Request message sent to the GGSN
UMTS Gmm-Information	When this feature is enabled, indicates that GPRS mobility management (GMM) parameters will be included in message to UMTS mobile subscribers.
GPRS Gmm-Information	When this feature is enabled, indicates that GMM parameters will be included in message to GPRS mobile subscribers.
User Equipment Identity Retrieval	Indicates whether International Mobile Equipment Identity (IMEI) or software version (SV) retrieval and validation has been enabled or disabled.

Field	Description
MAP UGL Message. Include Access Type Private Extension	The specific access-type private extension included in GPRS Location Update (GLU) request MAP messages.
MAP UGL Message. Include IMEISV	The specific International Mobile equipment Identity-Software Version (IMEI-SV) information included in GLU request MAP messages.
MAP MO-FWD-SM Message. Include IMSI	Indicates if the inclusion of the IMSI of the originating subscriber in the mobile-originated SM transfer is enabled or disabled. This parameter is included when the sending entity (MSC or SGSN) supports mobile number portability (MNP). This IMSI IE is required in the in MAP-MO-FORWARD-SHORT-MESSAGE in countries where MNP is deployed.
Reuse of authentication triplets	Indicates whether the reuse of authentication triplets in the event of a failure has been enabled or disabled.
Re-Authentication	Indicates whether the re-authentication feature, which instructs the SGSN to retry authentication with another RAND in situations where failure of the first authentication has occurred, has been enabled or disabled.
Direct Tunnel	Indicates if the SGSN allows direct tunneling if the direct tunneling is supported by destination node.
GTPU Fast Path	Indicates whether Fast Path support for network processing unit (NPU) processing of GTP-U packets of user sessions has been enabled or disabled.
Super Charger	Indicates whether the SGSN's ability to work with a super-charged network is enabled or disabled. By enabling the super charger functionality for 2G or 3G connections controlled by an operator policy, the SGSN changes the hand-off and location update procedures to reduce signaling traffic management.
Sending Radio Access Technology (RAT) IE	When this feature is enabled, the SGSN sends RAT information elements (IEs) within GTP messages.
Sending User Location Information (ULI) IE	When this feature is enabled, the SGSN sends ULI IEs within GTP messages.
Sending IMEISV IE	When this feature is enabled, the SGSN includes the IMEISV values of the mobile subscriber when sending GTP messages of the type "Create PDP Context Request".
Derive IMEISV from IMEI	When this feature is enabled, the SGSN sends the IMEI to the GGSN as an IMEI-SV.
Sending MS Time Zone IE	When this feature is enabled, the SGSN sends the mobile subscribers timezone IE in GTP messages of the type "Create PDP Request" and "Update PDPContext Request".

Field	Description
Treat as HPLMN	When this feature is enabled, the MME or SGSN treats an IMSI series as coming from the home PLMN.
Idle-mode-Signaling-Reduction (ISR) for UMTS	Indicates if the Idle-Mode-Signaling-Reduction (ISR) feature is enabled for UMTS (3G) subscribers. When ISR is enabled, the MME and SGSN allow the UE to be registered simultaneously in both the UMTS network on the SGSN and on the E-UTRAN on the MME. A separate feature license is required to enable ISR.
Idle-mode-Signaling-Reduction (ISR) for GPRS	Indicates if the Idle-Mode-Signaling-Reduction (ISR) feature is enabled for GPRS (2G) subscribers. When this feature is enabled, the MME and SGSN allow the UE to be registered simultaneously in both the GPRS network on the SGSN and on the E-UTRAN on the MME. A separate feature license is required to enable ISR.
Location Reporting for UMTS	When this feature is enabled, the MME can query and receive UE location reports from an eNodeB.
Location Reporting for GPRS	When this feature is enabled, the MME can query and receive UE location reports from an eNodeB.
SMS in MME	Displays the configured value (preferred / not-preferred) for SMS in MME.
SMSC Address	Displays the configured SMSC address.
Send SMS Subscription Request to HSS	Indicates whether the SMS Subscription Request to HSS is enabled or disabled.
Send SMS Subscription Notification to UE	Indicates whether the SMS Subscription Notification to UE is enabled or disabled.
MME S6a Message Options	
Notify Req (Trigger : MNRF flag)	Indicates whether the MNRF flag trigger for Notify Request is enabled or disabled
MME SGd Message Options	
Alert SC Request (Trigger : MNRF flag)	Indicates whether the MNRF flag trigger for Alert SC Request is enabled or disabled.
EPS Attach Restrict	
Voice Unsupported	When this feature is enabled, the MME can restrict UE attaches when the network does not support voice, for example when Voice over IMS is not supported in the network and the UE does not support CSFB.
IMSI Attach Fail	When this feature is enabled, the MME can restrict UE attaches when the IMSI Attach fails.
EPS Network	

Field	Description
N1 mode	This sub-group displays interworking with 5GS for UEs supporting N1 mode.
5GS to EPS handover using N26 interface	When this setting is enabled under N1 mode, the MME allows 5GS-EPS interworking with N26 interface.
CSFB Restrictions	
SMS Only	When this setting is enabled, the MME allows SMS-only attaches for Circuit Switched Fall Back (CSFB) services.
Not Allowed	When this setting is enabled, the MME disallows CSFB services (both SMS-only and voice services).
Not Preferred	When this setting is enabled, the MME returns "not-preferred" for CSFB services for combined EPS/IMSI attach requests.
Network Feature Support	
IMS Voice Over PS	Indicates whether IMS Voice over Packet-Switched information element (IE) is supported as part of the MME (Network) Feature
Qos	Indicates the transmission of quality of service (QoS) parameters has been enabled or disabled.
AMBR	Indicates whether an aggregate maximum bit rate (AMBR) will be enforced for user equipment.
Gn/Gp ARP	Indicates whether Gn-Gp pre-release 8 ARP and pre-emption parameters will be enforced or not.
High Priority (H) (Default)	The high-priority (address retention protocol) ARP value used for QoS.
Medium Priority (M) (Default)	The medium-priority ARP value used for QoS.
Gn/Gp Pre-Emption Capabilities (Default)	The pre-emption capability criteria for PDP contexts imported from an SGSN on Gn/Gp interfaces.
Gn/Gp Pre-Emption Vulnerabilities (Default)	The pre-emption vulnerability criteria for PDP contexts imported from an SGSN on Gn/Gp interfaces.
GPRS PDP Type IPV4V6 Override	Indicates whether the MME is configured to override the requested Packet Data Network (PDN) type (IPv4 or IPv6) based on the inbound roamer PLMN.
UMTS PDP Type IPV4V6 Override	Indicates whether the MME is configured to override the requested Packet Data Network (PDN) type (IPv4 or IPv6) based on the inbound roamer PLMN.
EPS PDN Type IPV4V6 Override	Indicates whether the MME is configured to override the requested Packet Data Network (PDN) type (IPv4 or IPv6) based on the inbound roamer PLMN.

Field	Description
RFSP	Displays the configuration of the **rfsp-override** command which the MME uses to control the override of RAT Frequency Selection Priority (RFSP).
Rfsp-override eutran-ho-restricted	Displays the configured value for RAT frequency selection priority when Handover to EUTRAN is restricted. This value overrides the RFSP ID value sent by the HLR/HSS in an EPS subscription.
PDN Type IPv6 Denied	Indicates whether the MME is enabled to allow only IPv4 addresses to a PDN connection.
Cause Code Mapping	
Restricted zone code	Displays the emm-cause-code to be returned to the UE when the UE requests access to a restricted zone during an EMM procedure.
Congestion	Displays the emm-cause-code to be returned to the UE when the system has detected a congestion condition during an EMM procedure.
Newcall policy restrict	Displays the emm-cause-code to be returned to the UE when the policy restricts new calls.
APN mismatch	Displays the emm-cause-code to be returned to the UE when the system has detected an APN mismatch condition during an EMM procedure.
VLR down	Displays the emm-cause-code to be returned to the UE when the system has detected a VLR down condition during an EMM procedure.
VLR unreachable	Displays the emm-cause-code to be returned to the UE when the system has detected a VLR unreachable condition during an EMM procedure.
Auth failure	Displays the emm-cause-code to be returned to the UE when an authentication failure occurs.
PEER NODE unknown	Displays the emm-cause-code to be returned to the UE when peer node resolution is not successful.
CTXT transfer fail SGSN	Displays the emm-cause-code to be returned to the UE when a UE context transfer failure from a peer SGSN occurs.
CTXT transfer fail MME	Displays the emm-cause-code to be returned to the UE when a UE context transfer failure from a peer MME occurs.
HSS unavailable	Displays the emm-cause-code to be returned to the UE when HSS resolution fails in the MME or the HSS does not respond in time.
SGW selection failure	Displays the emm-cause-code to be returned to the UE when a failure occurs during S-GW selection.

Field	Description
PGW selection failure	Displays the emm-cause-code to be returned to the UE when a failure occurs during P-GW selection.
GW unreachable Attach	Displays the emm-cause-code to be returned to the UE when a gateway (S-GW or P-GW) does not respond during an EMM Attach procedure.
GW unreachable TAU	Displays the emm-cause-code to be returned to the UE when a gateway (S-GW or P-GW) does not respond during an EMM TAU procedure.
NO bearers active	Displays the emm-cause-code to be returned to the UE when the context received from a peer SGSN (during a TAU procedure) does not contain any active PDP contexts
SGSN Core Network Interface Selection	Displays the SGSN Core Network Interface selection.
SGSN Core Network Interface Type	Displays the interface type selected as either Gn or S4.
S4 for EPC Capable Devices	Displays the configuration as either **Always** or **When EPS Subscription Available**, based on the CLI configured in the command **sgsn-core-nw-interface** in the Call-Control Profile.
S4 for Non-EPC Capable Devices	Displays the configuration as **Never** or **Always** or **When EPS Subscription Available**, based on the CLI configured in the command **sgsn-core-nw-interface** in the Call-Control Profile.
Uplink data status IE in service request	This field displays whether the Uplink Data Status IE is Processed or Ignored.
GUTI Reallocation	This parameter indicates if GUTI Reallocation is configured. The configured status is displayed as "Enabled" or "Disabled".
GUTI Reallocation Frequency	Displays the value of GUTI Reallocation Frequency in number of NAS requests.
GUTI Reallocation Periodicity	Displays the value of GUTI Reallocation Periodicity in minutes.
Authentication All-Events ANY (UMTS/GPRS/EUTRAN) Frequency	This parameter indicates if Selective Authentication frequency for all events is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication All-Events ANY (UMTS/GPRS/EUTRAN) Frequency Value	Displays the value of the configured Selective Authentication Frequency for all events.
Authentication All-Events ANY (UMTS/GPRS/EUTRAN) Periodicity	This parameter indicates if Selective Authentication periodicity for all events is configured. If the Periodicity is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication All-Events ANY (UMTS/GPRS/EUTRAN) Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for all events.

Field	Description
Authentication Attach ANY Frequency	This parameter indicates if Selective Authentication frequency for Attach procedure is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Attach ANY (UMTS/GPRS/EUTRAN) Frequency Value	Displays the value of the configured Selective Authentication Frequency for Attach procedures.
Authentication Attach ANY Periodicity	This parameter indicates if Selective Authentication periodicity for Attach procedure is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Attach ANY Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for Attach procedures.
Authentication Attach Inter-rat ANY (UMTS/GPRS/EUTRAN) Frequency	This parameter indicates if Selective Authentication frequency for Attach during Inter-RAT procedure is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Attach Inter-rat ANY (UMTS/GPRS/EUTRAN) Frequency Value	Displays the value of the configured Selective Authentication Frequency for Attach during Inter-RAT procedures.
Authentication Attach Inter-rat ANY Periodicity	This parameter indicates if Selective Authentication periodicity for Attach during Inter-RAT procedure is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Attach Inter-rat ANY Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for Attach during Inter-RAT procedures.
Authentication Service Req Frequency	This parameter indicates if Selective Authentication frequency for Service Requests is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Service Req Frequency Value	Displays the value of the configured Selective Authentication Frequency for Service Requests.
Authentication Service Req Periodicity	This parameter indicates if Selective Authentication periodicity for Service Requests is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Service Req Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for Service Requests.
Authentication Service Req Data Frequency	This parameter indicates if Selective Authentication frequency for Data Service Requests is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".

Field	Description
Authentication Service Req Data Frequency Value	Displays the value of the configured Selective Authentication Frequency for Data Service Requests.
Authentication Service Req Data Periodicity	This parameter indicates if Selective Authentication periodicity for Data Service Requests is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Service Req Data Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for Data Service Requests.
Authentication Service Req Signaling Frequency	This parameter indicates if Selective Authentication frequency for Signaling Service Requests is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Service Req Signaling Frequency Value	Displays the value of the configured Selective Authentication Frequency for Signaling Service Requests.
Authentication Service Req Signaling Periodicity	This parameter indicates if Selective Authentication periodicity for Signaling Service Requests is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Service Req Signaling Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for Signaling Service Requests.
Authentication Service Req Page Response Frequency	This parameter indicates if Selective Authentication frequency for Page Response Service Requests is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Service Req Page Response Frequency Value	Displays the value of the configured Selective Authentication Frequency for Page Response Service Requests.
Authentication Service Req Page Response Periodicity	This parameter indicates if Selective Authentication periodicity for Page Response Service Requests is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Service Req Page Response Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for Page Response Service Requests.
Authentication TAU Frequency	This parameter indicates if Selective Authentication frequency for TAU Procedures is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication TAU Frequency Value	Displays the value of the configured Selective Authentication Frequency for TAU Procedures.

Field	Description
Authentication TAU Periodicity	This parameter indicates if Selective Authentication periodicity for TAU Procedures is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication TAU Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for TAU Procedures.
Authentication Inter-RAT TAU Frequency	This parameter indicates if Selective Authentication frequency for TAU during Inter-RAT procedures is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication TAU Frequency Value	Displays the value of the configured Selective Authentication Frequency for TAU during Inter-RAT procedures.
Authentication TAU Inter-rat Periodicity	This parameter indicates if Selective Authentication periodicity for TAU during Inter-RAT procedures is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication TAU Inter-rat Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for TAU during Inter-RAT procedures.
Authentication Intra-RAT TAU Frequency	This parameter indicates if Selective Authentication frequency for TAU during Intra-RAT procedures is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Intra-RAT TAU Frequency Value	Displays the value of the configured Selective Authentication Frequency for TAU during Intra-RAT procedures.
Authentication TAU Intra-rat Periodicity	This parameter indicates if Selective Authentication periodicity for TAU during Intra-RAT procedures is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication TAU Intra-rat Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for TAU during Intra-RAT procedures.
Authentication Normal TAU Frequency	This parameter indicates if Selective Authentication frequency for Normal TAU procedures is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Normal TAU Frequency Value	Displays the value of the configured Selective Authentication Frequency for Normal TAU procedures.
Authentication TAU Normal Periodicity	This parameter indicates if Selective Authentication periodicity for Normal TAU procedures is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".

Field	Description
Authentication TAU Normal Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for Normal TAU procedures.
Authentication Periodic TAU Frequency	This parameter indicates if Selective Authentication frequency for Periodic TAU procedures is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication Periodic TAU Frequency Value	Displays the value of the configured Selective Authentication Frequency for Periodic TAU procedures.
Authentication TAU Periodic Periodicity	This parameter indicates if Selective Authentication periodicity for Periodic TAU procedures is configured. If the frequency is configured the status is displayed as "Enabled" or it is displayed as "Disabled".
Authentication TAU Periodic Periodicity Value	Displays the value of the configured Selective Authentication Periodicity for Periodic TAU procedures.
Mapped SM Cause For Req APN not sup in current RAT and PLMN combination	Displays the mapped SM caused code for APN request not supported in current RAT and PLMN combination.
Cause Code Mapping	Displays the cause code mapping information.
APN not supported PLMN-RAT esm-proc	Displays the cause code configured for APN not supported PLMN-RAT esm-proc.
APN not supported PLMN-RAT Attach	Displays the cause code configured for APN not supported PLMN-RAT in attach requests.
APN not supported PLMN-RAT TAU	Displays the cause code configured for APN not supported PLMN-RAT in TAU requests.
Paging priority to be sent to eNodeB	If paging priority support is enabled this field displays the configured value of paging priority sent to eNodeB for CS paging. For example, if the paging priority value is set to "1", this field is displayed as "Enabled with value: 1". If paging priority support is disabled this field is displayed as "Disabled".
MPS CS priority	The MPS CS priority is displayed as either "Subscribed" or "None" based on the configuration.
MPS EPS priority	The MPS EPS priority is displayed as either "Subscribed" or "None" based on the configuration.
Paging priority to be sent to eNodeB for CS	Displayed as "Enabled" with value if paging-priority cs value is configured.
Paging priority mapping for CS	Displayed as “Enabled” with emlpp-priority to paging-priority mapping information if mapping is configured, otherwise it is displayed as “Disabled”.

Field	Description
Paging priority mapping for EPS	Displayed as “Enabled” with ARP to paging-priority mapping information if mapping is configured, otherwise it is diplayed as “Disabled”.
Handover Restriction	Displayed as "Enabled" if HO restriction is configured, else it is displayed as "Disabled".
SCEF Service	Displays the name of the configured SCEF service.
Attach without PDN Support for WB-EUTRAN	Indicates whether Attach without PDN for WB-EUTRAN is enabled or disabled.
Attach without PDN Support for NB-IoT	Indicates whether Attach without PDN for NB-IoT is enabled or disabled.
IE Override:	
S6A Interface	Indicates whether the S6a interface is enabled or disabled.
Supported RAT Type AVP	Displays the configured RAT type AVP IE.
Extended DRX	Specifies the following eDRX parameters: • Paging Time Window • eDRX Cycle Length • Downlink Buffer Duration in DDN Ack • DL Buffering Suggested Packet Count in DDN Ack
CIoT Optimisation:	
CP-Optimisation	Indicates whether CP CIoT optimization is enabled or disabled.
Access-Type	If CP CIoT optimization is enabled, displays the access type based on the configuration as: NB-IoT, or both WB-EUTRAN and NB-IoT. If CP CIoT optimization is disabled, this field displays N/A.
Serving PLMN Rate Control	Indicates whether serving PLMN rate control for CP CIoT optimization is enabled or disabled.
UL Rate	Displays the maximum number of data NAS PDUs that the UE sends in uplink path per deci-hour (6 minutes).
DL Rate	Displays the maximum number of data NAS PDUs that the P-GW or SCEF sends in the downlink path to the UE per deci-hour (6 minutes).
Gtp Tunnel ECN Ingress Mode	Displays the mode of ECN configured for the GTP tunnel.
ESM-T3396 Timer	This fields displays "Not Configured" if the ESM T3396 timeout is not configured for any cause code.

Field	Description
If the ESM T3396 timeout is configured for a cause code, the following two fields display the configured values.	
Value for Cause Code UNKNOWN OR MISSING APN(27)	This fields displays the configured T3396 timeout value in seconds for cause code value 27.
Value for Cause Code INSUFFICIENT RESOURCES(26)	This fields displays the configured T3396 timeout value in seconds for cause code value 26.
SRVCC	
SRVCC Service	This fields displays the status of the SRVCC service, that is, if SRVCC handovers are authorized or unauthorized, in a roaming network.
IMS APN	Displays IMS APN is "Configured" or "Not Configured".
Access Policy	Displays the configured access-policy name. If access-policy is not associated with call-control profile, this field displays "Not Defined".
Sending Ue-Usage-Type in CSR	Enables the sending of mapped Ue-Usage to Dedicated Core Network Configuration.