show lte-policy

This chapter describes the output of the **show lte-policy** command.

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show lte-policy congestion-action-profile name

Important In Release 20, 21.0 and 21.1, HeNBGW is not supported. For more information, contact your Cisco account representative.

Table 1: show lte-policy congestion-action-profile name Command Output Descriptions

Field	Description
handovers	Indicates the action the MME is configured to take for handovers when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.
combined-attaches	Indicates the action the MME is configured to take for combined Attach requests when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.
ps-attaches	Indicates the action the MME is configured to take for packet switched Attach requests when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.

Field	Description
addn-pdn-connects	Indicates the action the MME is configured to take for additional PDN context connections when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.
addn-brr-requests	Indicates the action the MME is configured to take for additional bearer requests when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.
brr-ctxt-mod-requests	Indicates the action the MME is configured to take for Bearer Resource Context Modification Requests when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.
service-request	Indicates the action the MME is configured to take for service requests when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.
tau-request	Indicates the action the MME is configured to take for TAU requests when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.
s1-setups	Indicates the action the MME is configured to take for S1 setup attempts when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.
init-ues	Indicates the action the HeNBGW is configured to take for Initial UE messages received when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.
paging	Indicates the action the HeNBGW is configured to take for Paging requests when a congestion control threshold is reached. Possible actions are none (ignore), reject, drop.
exclude-emergency-events	Indicates whether the MME is configured to exclude emergency calls when a congestion control threshold is reached. This setting is disabled when 'no exclude-emergency-events' is displayed.
exclude-voice-events	Indicates whether the MME is configured to exclude voice calls when a congestion control threshold is reached. This setting is disabled when 'no exclude-voice-events' is displayed.
report-overload	Indicates whether the MME is configured to report overload conditions to eNodeBs to alleviate congestion scenarios.

show lte-policy cause-code-group name

Table 2: show lte-policy cause-code-group name Command Output Descriptions

Field	Description
Cause Code Group *name*	
S1AP Protocol	

Field	Description
class	Lists the configuration of each cause code entry, organized by class (miscellaneous, nas, protocol, radio, trasnport), for this Cause Code Group.

show lte-policy foreign-plmn-guti-mgmt-db name

Table 3: show lte-policy foreign-plmn-guti-mgmt-db name Command Output Descriptions

Field	Description
Foreign PLMN GUTI Management DB *name*	
PLMN	Lists the management database PLMN entries and the configuration of each entry.

show lte-policy ho-restrict-list name

Table 4: show lte-policy ho-restrict-list name Command Output Descriptions

Field	Description
forbidden tracking areas	Lists the PLMN IDs which are part of the handover restriction list.
forbidden location areas	Lists the PLMN IDs which are part of the handover restriction list.

show lte-policy lte-emergency-profile name

Table 5: show lte-policy lte-emergency-profile name Command Output Descriptions

Field	Description
ue-validation-level	Indicates the type of UE that can use the emergency bearer service through this profile.
apn	Indicates the name and PDN type of the access point name (APN) used for emergency PDN connections. If enabled, the configured restoration priority of 1 through 16 is displayed (1 is highest priority, 16 is lowest).
qos	Indicates the quality of service (QoS) settings for this emergency bearer service.
ambr	Indicates the maximum aggregated uplink and downlink bitrate values for this profile.
FQDN PGW	Indicates the Fully Qualified Domain Name of the P-GW to be used for emergency bearer services through this profile.

Field	Description
STATIC PGW	Indicates the static IP address, protocol, and weight of the P-GW to be used for emergency bearer services through this profile.
LCS QOS	Indicates the configuration of the **lcs-qos** command for this LTE emergency profile. This displays the location service QoS settings to be used for this emergency profile. Horizontal Accuracy: The horizontal positioning accuracy value. Vertical Accuracy: The vertical positioning accuracy value.
UE Usage Type	Configures UE usage type for disconnecting PDN for up service area
Co-located Node	Configures the collocated node name to select the collocated SPGW node IP addresses.

show lte-policy tai-mgmt-db name

Table 6: show lte-policy tai-mgmt-db name Command Output Descriptions

Field	Description
attach-only	Specifies the SGW preference for SGW-relocation.

show lte-policy monitoring-event- profile

Table 7: show lte-policy monitoring-event-profile Command Output Descriptions

Field	Description
Loss of connectivity	Indicates the enabled events of Loss of connectivity event configuration.
UE Reachability	Indicates the enabled events of UE Reachability event configurations.
Location Reporting	Indicates the enabled events of reporting location event configurations.
Communication Failure	Indicates the current session statistics of Radio connection status failure events.
Availability after DDN Failure	Indicates the current session statistics of Availability after DDN Failure event configuration.
Idle Status Indication Failure	Indicates the enabled events of Idle status indication event configurations.
PDN Connectivity Status Report	Indicates that the enabled events of PDN connectivity status event configuration.
Number Of UE's in Geo Area	Indicates the received Number of UEs present in a geographic area event configuration.
Roaming Support	Indicates whether roaming support is enabled or disabled for Interworking SCEF destination host or realm.

show lte-policy paging-map name

Table 8: show lte-policy paging-map name Command Output Descriptions

Field	Description
Paging Map *n*	
Precedence	Indicates the order in which the MME checks the entries for this paging-map.
Traffic Type	Indicates the traffic type such as CS, PS, SIGNALING and sub-type that is specified for this paging-map.
Paging profile	Indicates the paging-profile to be used for this traffic type.
Precedence	Displays the configured precedence value.
Packet-Switched(PS)	Displays the paging is for Packet-Switched traffic.
APN	Displays the configured APN profile name.
ARP	Displays the configured ARP value.
Paging is performed as per paging-profile <name>	Displays the paging profile name.

show lte-policy paging-profile name

Table 9: show lte-policy paging-profile name Command Output Descriptions

Field	Description
Paging Profile *n*	
Paging Stage *n*: Lists all Paging Stages configured for this Paging Profile.	
Paging Action	Indicates how the paging request should be formed. Possible options are: • all-enb-all-tai • all-enb-last-tai • last-n-enb-last-tai
Match Criteria	Indicates the criteria for selecting a given paging stage. Possible options are: • ue-contact-time • all
T3413-Timeout	Indicates the time interval in seconds between paging requests.
Max Paging Retries	Indicates the number of paging requests to be sent out during this paging stage.

show lte-policy tai-mgmt-db name

Table 10: show lte-policy tai-mgmt-db name Command Output Descriptions

Field	Description
TAI Management DB *n*	
Time Zone	Indicates the time zone settings to be used for the UE timezone in S11 and NAS messages.
Short Network Name	Indicates the short network name to be used in the Short network name IE in the EMM Information message sent by the MME.
Long Network Name	Indicates the full (long) network name to be used in the Long network name IE in the EMM Information message sent by the MME.
TAI Management Object	The name of the TAI managment object and all configured options for the object. For each TAI Management Object, the following information is displayed, if configured: • Time Zone • Zone Code • IMS Voice over PS support • LAI (Location Area Identifer) • TAI (Tracking Area Identifier) • RAI (Routing Area Identifier) • SGW IP address, protocol, and weight priority infomation • Full and/or Short Network Name
Access-Type NB-IoT	Displays the configured access type. The show output displays whether all the TACs configured belong to either WB-EUTRAN or NB-IoT RAT. It is also possible that some of the configured TACs belong to WB-EUTRAN and the rest belong to NB-IoT RAT.
UE Usage Type	Configures UE usage type for disconnecting PDN for up service area
Co-located Node	Configures the collocated node name to select the collocated SPGW node IP addresses.