

Release 21.28 Features and Changes Quick Reference

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Features / Behavior Changes	Applicable Product(s) / Functional Area	Release Introduced / Modified
5GIWK Active Sessions Count Support in ePDG	ePDG	2024.02.0
Adding Abort Except Subscription Withdrawn Statistics as CLR Types	MME	21.28.m10
Address Hold Timer Support	P-GW	21.28.m14
Bulkstats to Print Summarized PGW Roaming Data Rate	P-GW	2024.02.0
Bulk Busyout IP Pools based on VRFs	P-GW	2024.03.0
Clear Hold IPs by Moving to Release State	P-GW	2024.03.0
Cinder Volume Multi-Attach	• P-GW • SAEGW	2024.02.0
Collision Handling of Modify Bearer Request over Modify Bearer Request Drop and Retry	• P-GW • SAEGW • S-GW	21.28.m4
Configuring ACL SRP Checkpoint	• ASR5500 • VPC-DI	2024.02.0
Detecting Reuse of TCP Ports	P-GW	21.28.m15

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Differential Charging with 5G NSA	MME	21.28.m0
Dynamic S-GW Selection for Interworking-5GC	MME	• 2024.02.0 • 21.28.m7
Encrypt AES-GCM Algorithm	IPSec	21.28
Enhanced SGW CDR nodeID Encoding for Larger Instance Numbers Support	SGW	2024.04.0
EPS to 5Gs Mobility Procedure without n1 Mode Support	MME	2024.02.0
Fetching the Target eNB based on the Target en-gNB ID without TAC	MME	21.28.m5
Handling Simultaneous Gy RARs from Different DRAs with Different RGs	P-GW	21.28
Handling Duplicate eNodeB Path	MME	21.28.m0
Handling CC-Request-Number AVP during Assume Positive State	P-GW	21.28.m7
Implementation of EGTPC/EGTPU IPv6 Path Failure and Clear SNMP Traps	StarOS	2025.01.0
IMSI Privacy on ePDG	ePDG	2024.03.0
Increasing CPU threshold from 30 to 70	StarOS	21.28.m0
Handling 5G to 4G TAU when n1-mode is not Supported	MME	21.28.m5
IP Source Violation	P-GW	21.28
IPv4 and IPV6 Notification Support for IP Address Alignment	ePDG	2024.02.0
IKEV2 VRF Support	StarOS	21.28.5
NAT Port Chunk Hold Timer Support	P-GW	21.28.m10
Processing APCO IE on Unsupported Container ID	ePDG	21.28.m0
Prioritizing IMEI over MAC Address	P-GW	21.28.m22
Public Warning System Failure and Restart Indication Support on SBc Interface	MME	21.28

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Recording the APN in the EDR Record	• SGSN • MME	21.28.m10
Reject Sessions from Blocked APGROUPNAME	SaMOG	• 21.28.m5 • 21.28.m1
QCI67 Support	MME	21.28
Send 5G User Location Information to SMF+PGW-c	ePDG	21.28.m10
Separate Counters for All EAP Type for Success and Failure Events	SaMOG	21.28
Subscriber Session Continuation at SaMOG During Wi-Fi Frequency Band Change	SaMOG	21.28
Support for DH group 5 Encryption under IKESA and IPSEC Transform Set	ePDG IPSec	21.28.m6
Support of LTE-M RAT type reporting to PGW bit for S-GW	• SAEGW • S-GW	21.28
TMSI Based NRI Container IE	MME	21.28
TEID Collision with ULI Change	P-GW	21.28.m4
Security Enhancement	StarOS	21.28.1
SMS over NAS Messages on SGd Interface	MME LI	21.28.m18
UE-Usage-Type Based P-GW or SMF+PGW-C Selection	ePDG	• 21.28.5 • 21.28.6
UE Radio Capability IE Size	MME	2024.03.0
Updating TAC Id to SGW on Delete Session Request	MME	21.28.Fm0
VLAN-aware VMs	P-GW	21.28.m0