



# Release 21.28 Features and Changes Quick Reference

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## Release 21.28 Features and Changes

Features / Behavior Changes	Applicable Product(s) / Functional Area	Release Introduced / Modified
<a href="#">5GIWK Active Sessions Count Support in ePDG</a>	ePDG	2024.2.0
<a href="#">Adding Abort Except Subscription Withdrawn Statistics as CLR Types</a>	MME	21.28.m10
<a href="#">Address Hold Timer Support</a>	P-GW	21.28.m14
<a href="#">Bulkstats to Print Summarized PGW Roaming Data Rate</a>	P-GW	2024.02.0
<a href="#">Bulk Busyout IP Pools based on VRFs</a>	P-GW	2024.03.0
<a href="#">Clear Hold IPs by Moving to Release State</a>	P-GW	2024.03.0
<a href="#">Cinder Volume Multi-Attach</a>	<ul style="list-style-type: none"> <li>• P-GW</li> <li>• SAEGW</li> </ul>	2024.02.0
<a href="#">Collision Handling of Modify Bearer Request over Modify Bearer Request Drop and Retry</a>	<ul style="list-style-type: none"> <li>• P-GW</li> <li>• SAEGW</li> <li>• S-GW</li> </ul>	21.28.m4
<a href="#">Configuring ACL SRP Checkpoint</a>	<ul style="list-style-type: none"> <li>• ASR5500</li> <li>• VPC-DI</li> </ul>	2024.02.0
<a href="#">Detecting Reuse of TCP Ports</a>	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	<ul style="list-style-type: none"> <li>• 2024.02.0</li> <li>• 21.28.m7</li> </ul>
Encrypt AES-GCM Algorithm	IPSec	21.28
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
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
Recording the APN in the EDR Record	<ul style="list-style-type: none"> <li>• SGSN</li> <li>• MME</li> </ul>	21.28.m10

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Reject Sessions from Blocked APGROUPNAME	SaMOG	<ul style="list-style-type: none"> <li>• 21.28.m5</li> <li>• 21.28.m1</li> </ul>
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
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	<ul style="list-style-type: none"> <li>• 21.28.5</li> <li>• 21.28.6</li> </ul>
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

