UCC 5G cnSGW-C - Release Change Reference

New in Documentation

Information on new features, enhancements, and behavior changes in the Release Change Reference (RCR) document will now be available under the **What's New in this Release** section in the 5G release notes.

> **Note** This document will be deprecated in 2024.01 and later releases.

Features and Changes Quick Reference

The following table indicates the default values for features and behavior changes in this release.

Features/ Behavior Changes	Release Introduced/ Modified	Default
Wireless Priority Service Enhancements, on page 1	2023.04.0	Enabled – Always-on

Wireless Priority Service Enhancements

Feature Summary and Revision History

Summary Data

Table 1: Summary Data

Applicable Product(s) or Functional Area	cnSGW-C

Applicable Platform(s)	SMI
Feature Default Setting	Disabled – Configuration required to enable
Related Documentation	Not Applicable

Revision History

Table 2: Revision History

Revision Details	Release
The following Wireless Priority Service enhancements are added: • Message Priority Profile support introduced. • WPS session monitoring is performed using a sub-type label in the show sub CLI.	2023.04.0
First introduced.	2021.02.0

Feature Description

Priorities determine the order in which service requests are dequeued by a server. For example, the priority that client assigns to individual services can range from 0 to 15, where 0 represents the highest priority.

In cnSGW, the cnSGW service sends the Inter-process Communication (IPC) message to the protocol pod for Wireleass Priority Service (WPS) session using Priority IPC Stream.

cnSGW creates the message-priority profile, which can define priority either at global level or at each interface level (PFCP, GTP). You can select the Message Priority value based on:

• ARP and QCI received in Bearer context in the Create Session Request (CSR), Create Bearer Response (CBR), and Create Session Response.

• Update Message priority value based on ARP and QCI received in Bearer context in the Update Bearer Request (UBR).

cnSGW supports the following functionalities:

• WPS sessions per Roaming partner.

• Exclusion of WPS sessions from overload throttling. For more information, refer to the *UCC 5G cnSGWc Configuration and Administration Guide > Sx Load/Overload Control Handling* and *GTPv2 Load/Overload Support* chapters.

• Session type conflict resolution at cnSGW.

• WPS sessions handing at UPF over Sxa Interface for collocated subscriber.

• WPS session monitoring

Operators can monitor the S-GW service statistics for WPS users and users can also monitor number of active WPS sessions.

For more information, refer to the UCC 5G cnSGWc Configuration and Administration Guide > eMPS/WPS Support chapter.