



## Standard QCI Support

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## Feature Summary and Revision History

### Summary Data

**Table 1: Summary Data**

Applicable Product(s) or Functional Area	5G-UPF
Applicable Platform(s)	VPC-SI SMI
Feature Default Setting	Enabled – Always-on
Related Changes in this Release	Not Applicable
Related Documentation	<i>UCC 5G UPF Configuration and Administration Guide</i>

### Revision History

Revision Details	Release
First introduced.	2021.02.0

## Feature Description

The 5G-UPF supports new standard QoS Class Index (QCIs) based on 3GPP TS 23.203 Release 12, for Mission Critical and Push-to-Talk (MC/PTT) applications.

As part of this feature, the following functionalities are supported:

- Establishing a LTE/WiFi/5G-NR call with default bearer QCI/QFI with new standard non-GBR QCIs (69, 70 and 80). These are MC-PTT and 5G-NSA QCIs.
- Establishment of dynamic rule with new standard GBR/non-GBR QCI (65, 66, 69, 70, 80, 82, 83).
- Support for Extended QoS Bit Rates for DCNR-enabled UEs with new standard QCIs (80, 82, and 83).
- LTE to 5G and 5G to LTE HO, WiFi to 5G and 5G to WiFi HO, and LTE to WiFi and WiFi to LTE HO are supported.
- DSCP Marking in UL and DL direction based on new standard QCIs.

## Limitations

In this release, predefined rules with the new standard QCIs aren't supported.

## Configurations

There is no configuration (or License) required at SMF or UPF to enable new standard QCIs.

At SMF, the following configuration is required to enable Extended QoS Bit Rates.

```
configure
  profile dnn name
    dcnr { true | false }
  end
```

- **dcnr**: Specifies to enable dual connectivity with new radio (DCNR).