



S-GW CDR in CUPS

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Revision History



Note Revision history details are not provided for features introduced before release 21.24.

Revision Details	Release
First introduced	Pre 21.24

Feature Description

CDR generation is supported for S-GW in the Cisco UPC CUPS architecture.

CDRs in CUPS is generated to collect charging information for UE bearers in S-GW. On receiving a charging trigger, the Control Plane node of CUPS pulls the information from the corresponding user plane nodes and the collected volume counts are added to the S-GW CDR.

S-GW CDR is supported for both default and dedicated bearer.



Note Currently, S-GW CDR is supported in custom24 dictionary.

Charging data is collected based on the following triggers:

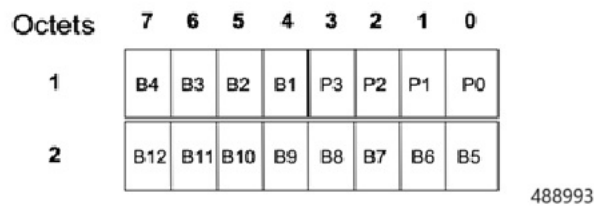
- Access-side triggers:
 - ULI Change
 - RAT Change
 - Management intervention (Interim CDRs are not supported)

- Normal/Abnormal call release
- Network-side triggers:
 - QCI Change
 - APN AMBR Change

Charging Characteristics Profile Information in 3GPP

The CUPS CP gateway adheres to 3GPP Release 8 of Specification 32.298, that states that the Charging Characteristic profile value is 4 bit as depicted as given (P1-P4) here.

Figure 1: Charging Characteristics Flag



The available cc-profile range is 0 to 15 and cannot go higher than 15.

If the cc-profile value corresponding to the 4 bits in the Charging Characteristics IE is not configured on the CP, there will be issues with volume reporting in CDRs.

For more information on the CLI command, see the [CC](#) topic in *Command Line Interface Reference Guide*.