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Introduction

This document describes the charging scenarios related to Rating Group (RG) 0 on Gateway GPRS Supporting Node (GGSN).

Problem Description

Rating Group = '0' reflecting in GGSN Call Data Records(CDRs). Also the volume that reports in GGSN on Rating group = '0' does not report to Online Charging Server (OCS).

Troubleshoot

As per the Postpaid redirection plan, they call with RG 431 ruledef which is not configured with any content –id. Due to which, all postpaid redirection users get zero rating group in Call Data Record (CDR).

As per the multiple case test, it is identified with certain User Equipments (UEs) only.

1. Prepaid numbers seem to have an issue. The ones who belong to single user profile redirection plan.
2. If the user tries to reach any page, it gets redirected with Customer page on basis of user agent. On the GGSN end, there is a charging action for this redirect task and it is not associated with any Rating Group. In this case, the user usage contains with "0" rating group as well.

This is the missing configuration:

CDR elements follow:

Conclusion

If in a charging-action billing-action egcdr is configured but content-id is not, data traffic is charged against this charging-action and is reported in CDRs with Rating Group "0".