

## DAILY ROAMING\_VOICE\_DATA\_SMS\_REPORT

This daily report is done to monitor VOICE, DATA and SMS roaming traffic from CCN and the High Usage Roaming from RAMs DB on BRISK. Below are respectively the scripts for VOICE, DATA and SMS Roaming from CCN and the High Usage Roaming from RAMs DB.

### SCRIPTS:

#### 1- ----- CCN ROAMING VOICE USAGE -----

```
SELECT TO_DATE (DATE_CODE, 'YYYYMMDD') DDATE,
       SUM (TIMEUNIT1) / 60 DURATION,
       SUM (ACCOUNTVALUEDEDUCTED) CHARGE
FROM ( SELECT date_code,
              time_code,
              callingpartynumber,
              callingpartylocationid,
              calledpartynumber,
              TIMEUNIT1,
              ACCOUNTVALUEDEDUCTED,
              roamingposition,
              correlationid,
              SERVICESPECIFICUNIT1
        FROM CCN.RT_CDRCCN_IMPORT_DAY@EXAE
        WHERE      DATE_CODE >= '20221221'
                  AND SERVICEIDENTIFIER = 0
                  AND roamingposition = 1
                  AND TIMEUNIT1 > 0
        GROUP BY date_code,
                 time_code,
                 callingpartynumber,
                 callingpartylocationid,
                 calledpartynumber,
                 TIMEUNIT1,
                 ACCOUNTVALUEDEDUCTED,
                 roamingposition,
                 correlationid,
                 SERVICESPECIFICUNIT1)
GROUP BY TO_DATE (DATE_CODE, 'YYYYMMDD')
ORDER BY TO_DATE (DATE_CODE, 'YYYYMMDD') ASC;
```

#### 2- ----- CCN ROAMING DATA USAGE -----

```
SELECT TO_DATE (DATE_CODE, 'YYYYMMDD') DDATE,
       SUM (TOTALOCTETSUNIT1) / (1024 * 1024) TOTAL_MB,
       SUM (ACCOUNTVALUEDEDUCTED) CHARGE
FROM ( SELECT date_code,
              time_code,
              callingpartynumber,
              callingpartylocationid,
              calledpartynumber,
              TOTALOCTETSUNIT1,
```

```

ACCOUNTVALUEDEDUCTED,
correlationid,
SERVICESPECIFICUNIT1
FROM CCN.RT_CDRCCN_IMPORT_DAY@EXAE
WHERE DATE_CODE >= '20221221'
AND SGSNADDRESS NOT LIKE '%200.113.210%'
AND SGSNADDRESS NOT LIKE '%200.113.211%'
AND TOTALOCTETSUNIT1 > 0
GROUP BY date_code,
time_code,
callingpartynumber,
callingpartylocationid,
calledpartynumber,
TOTALOCTETSUNIT1,
ACCOUNTVALUEDEDUCTED,
correlationid,
SERVICESPECIFICUNIT1)
GROUP BY TO_DATE (DATE_CODE, 'YYYYMMDD')
ORDER BY TO_DATE (DATE_CODE, 'YYYYMMDD') ASC;

```

### 3- ----- CCN ROAMING SMS USAGE -----

```

SELECT TO_DATE (DATE_CODE, 'YYYYMMDD') DDATE,
COUNT (SERVICEIDENTIFIER) TOTAL_SMS,
SUM (ACCOUNTVALUEDEDUCTED) CHARGE
FROM ( SELECT date_code,
time_code,
callingpartynumber,
callingpartylocationid,
calledpartynumber,
ACCOUNTVALUEDEDUCTED,
roamingposition,
SERVICEIDENTIFIER,
correlationid,
SERVICESPECIFICUNIT1
FROM CCN.RT_CDRCCN_IMPORT_DAY@EXAE
WHERE DATE_CODE >= '20221221'
AND SERVICEIDENTIFIER = 4
AND roamingposition = 20
AND roamingposition <> 0
GROUP BY date_code,
time_code,
callingpartynumber,
callingpartylocationid,
calledpartynumber,
roamingposition,
ACCOUNTVALUEDEDUCTED,
roamingposition,
SERVICEIDENTIFIER,
correlationid,
SERVICESPECIFICUNIT1)
GROUP BY TO_DATE (DATE_CODE, 'YYYYMMDD')
ORDER BY TO_DATE (DATE_CODE, 'YYYYMMDD') ASC;

```

4- ----- HIGH USAGE ROAMING VOICE FROM RAMs DB -----

```
SELECT ddate, SUM (DURATION) Duration
  FROM NRTRDE_HIGH_USAGE@BRISK_RAMs_NEW
 WHERE ddate >= '01-SEP-2022' AND EVENT_TYPE_S = 'MOBORIG'
GROUP BY ddate
ORDER BY ddate ASC;
```

5- ----- HIGH USAGE ROAMING DATA FROM RAMs DB -----

```
SELECT ddate, SUM (usagemb) MB
  FROM NRTRDE_HIGH_USAGE@BRISK_RAMs_NEW
 WHERE ddate >= '01-SEP-2022' AND EVENT_TYPE_S = 'DATA'
GROUP BY ddate
ORDER BY ddate ASC;
```

6- ----- HIGH USAGE ROAMING SMS FROM RAMs DB -----

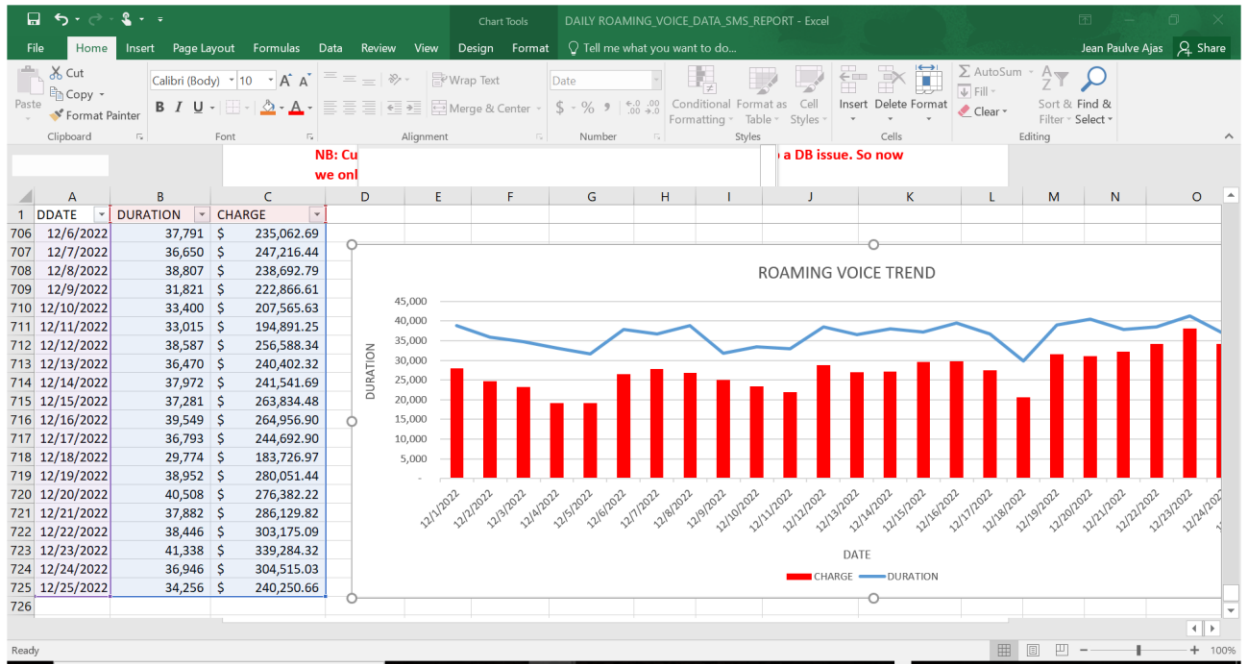
```
SELECT ddate, SUM (QTY_TAPIN) TOTAL_SMS
  FROM NRTRDE_HIGH_USAGE@BRISK_RAMs_NEW
 WHERE ddate >= '01-SEP-2022' AND EVENT_TYPE_S = 'SMSORIG'
GROUP BY ddate
ORDER BY ddate ASC;
```

**NB: Currently there are no records from RAMs since Sept 18<sup>th</sup>, 2022 due to a DB issue. So now we only run the script for CCN ones.**

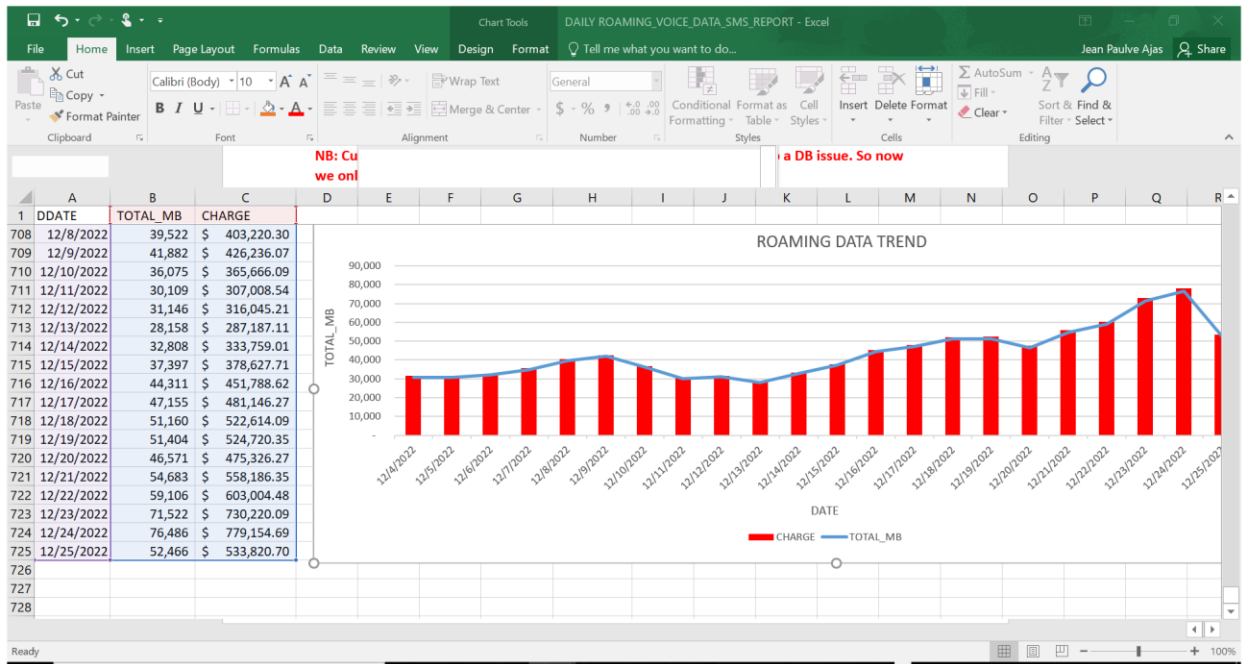
**STEPS:**

- 1- Run respectively the scripts for CCN by modifying the DATE\_CODE to the appropriate date.
- 2- Open the template excel file named Daily Voice, Data and SMS.
- 3- Export the Data respectively for spreadsheet as shown below.

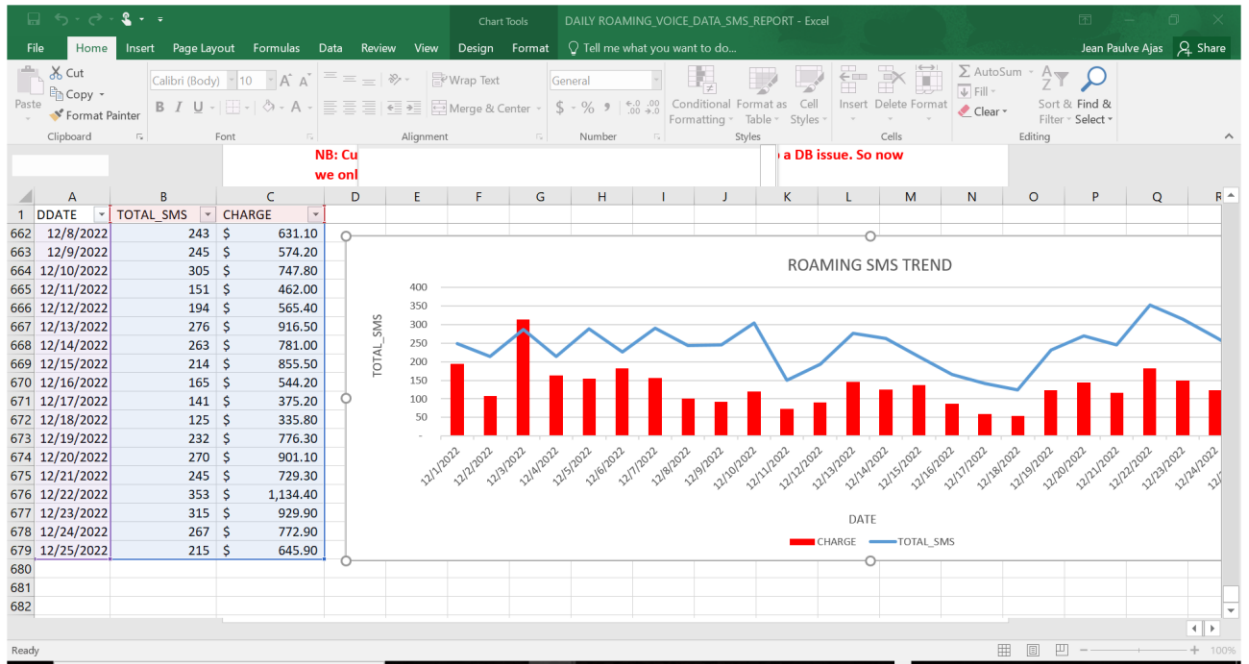
### 3.1- DAILY\_ROAMING\_VOICE\_CCN\_TREND



### 3.2- DAILY\_ROAMING\_DATA\_CCN\_TREND



### 3.3- DAILY\_ROAMING\_SMS\_CCN\_TREND



4- Any spike or drop, we check the CDRs and find the reason.