Wholesale Roaming Cost (TAPIN) per IMSI

This is a daily TAPIN alert per IMSI sent by Syniverse Analyzer for Wholesale Roaming Cost for each Digicel Market. It is concerning Haiti Digicel customers who are roaming into different Network and make Data usage, SMS or Voice without enough credit or without credit. Below you will see scripts and different steps for this investigation.

SCRIPTs:

```
     /***************** DATA CDRs from EGSN using the IMSI *************/

SELECT *
  FROM DATA.ST_EGSN_IMPORT@EXAE
 WHERE DATE_CODE >= '20221214'
       AND SERVEDIMSI IN ('338050932667103');


/***************** DATA CDRs from CCN *************/

SELECT DATE_CODE,
       TIME_CODE,
       SUBSCRIBERNUMBER,
       CALLINGPARTYNUMBER,
       LOCATIONAREACODE,
       LOCATIONMCCMNC,
       SERVICEIDENTIFIER,
       TOTALOCTETSUNIT1,
       SERVICECLASSID,
       ACCOUNTVALUEBEFORE,
       ACCOUNTVALUEAFTER,
       DEDACC1ID,
       DEDACC1VALUEBEFORE,
       DEDACC1VALUEAFTER,
       DEDACC1CHANGE,
       SERVICEOFFERINGS,
       ACCUMULATEDCOST,
       ACCOUNTVALUEDEDUCTED,
       AGGREGATEDVALUEAFTER AS RATE
    FROM CCN.ST_CDRCCN_IMPORT@EXAE
 WHERE DATE_CODE >= '20221241' AND SERVICEIDENTIFIER > 4
       AND CALLINGPARTYNUMBER IN ('50936664992');
```

STEPs:

1- Open the TAPIN file sent by Syniverse, search for Haiti Market, and take the IMSI if there is. First, for Data alert we use the IMSI found and check Data CDRs from EGSN table or find the MSISDN associated with the IMSI from HLR GUI and run the second script to find CDRs from CCN side.

2- **Once getting the CDRs, we check on MINSAT if that number has enough credit to allow it make data usage as reported, and we do not need take any action.**

3- **However if that number doesn't have enough credit or has zero balance, so we need follow up with the MSC guys to have Data parameter disable for that number to prevent any data usage.**