DAILY DIGICEL E1 CUSTOMER REPORT

This report is done to monitor all Digicel E1s traffic to prevent any fraudulent activity or bypass. Below are the scripts used to check daily Digicel E1s traffic summary and their diversity.

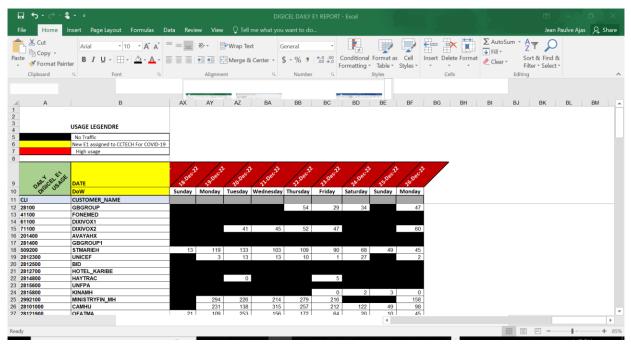
SCRIPTs:

```
/********** Daily Digicel Els summary usage *********/
 SELECT DISTINCT CALLINGPARTYNUMBER CLI,
                 DATE CODE,
                 COUNT (1) call count,
                 COUNT (DISTINCT CALLEDPARTYNUMBER) UNIQ B,
                 SUM (chargeableduration) / 60 duration
FROM cdrmsc.st cdrmsc isdn@exae
  WHERE DATE CODE >= '20221223'
        AND call type LIKE 'ISDN'
        AND (chargeableduration) / 60 > 0
        AND CALLEDPARTYNUMBER NOT LIKE '50937000000'
GROUP BY DATE CODE, CALLINGPARTYNUMBER
ORDER BY DATE CODE ASC;
/******** Daily Digicel Els Diversity *********/
 SELECT callingpartynumber CLI,
        date code,
        COUNT (1) call count,
        COUNT (DISTINCT CALLEDPARTYNUMBER) UNIQ B,
        COUNT (DISTINCT CALLEDPARTYNUMBER) / COUNT (date code) DIVERSITY,
        SUM (chargeableduration) / 60 duration
   FROM cdrmsc.st cdrmsc isdn@exae
  WHERE date_code >= '20221223'
        AND call type LIKE 'ISDN'
        AND (chargeableduration) / 60 > 0
        AND CALLEDPARTYNUMBER NOT LIKE '50937000000'
GROUP BY callingpartynumber, date code
ORDER BY date code ASC;
```

STEPs:

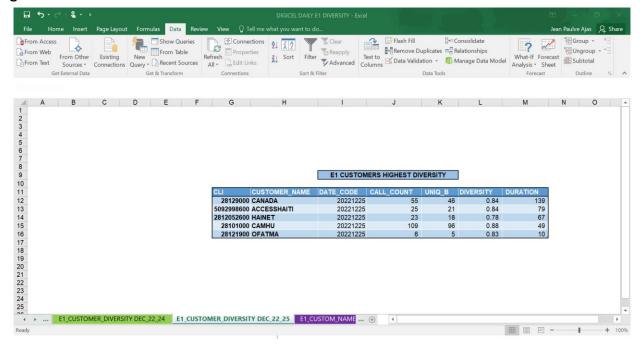
1- Run the first script to get daily summary usage for all Digicel E1s by modifying the DATE CODE to the appropriate date.

2- Export the data and treat it date by date for each E1 by using the template excel file named below



Once done, we observe the trend for any high traffic and if there is new E1 generating traffic. If so, we notice this high usage observed for the date and follow up with the concerned person to reach out this customer E1 to know the reason of this increase. Also to help us get the name of the new E1 customer.

3- Run the second script to check their diversity and export the record to the template excel file named below by consider the ones with highest diversity > = 0.75 and usage greater than 100K.



4- We can get CDRs for any suspicious high usage by using the below script to see if the calls were local or Intl.

```
SELECT DATE_CODE,
    TIME_CODE,
    CALLINGPARTYNUMBER,
    CALLEDPARTYNUMBER,
    CHARGEABLEDURATION / 60 DURATION

FROM cdrmsc.st_cdrmsc_isdn@exae

WHERE DATE_CODE = '20221220'
AND CHARGEABLEDURATION > 0
AND call_type LIKE 'ISDN'
AND CALLINGPARTYNUMBER IN ('2814015600')
AND CALLEDPARTYNUMBER NOT LIKE '509%'
ORDER BY DURATION DESC;
```