E1 Taraffic Checking

This check can be made when we observe increase on E1 Customer Traffic or when the customer ask to reset his limit after he used all his credits. Below are the scripts used to check customer traffic and the respective steps for the analysis.

Script:

```sql
SELECT *
  FROM dwh_redknee.subscriber@exae
WHERE msisdn like '%28103707%' ;

SELECT *
  FROM dwh_redknee.account@exae
WHERE ban IN ('3610000689102',
'3610000697395',
'3610000696011',
'3610000100369') and state<>2;



/********************************  CHECK E1 TRAFFIC
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  SELECT
  DATE_CODE,
         TIME_CODE,
         FIRSTNAME,
         CALLINGPARTYNUMBER,
         SUBSCRIBERNUMBER,
         SUBSTR (SUBSCRIBERNUMBER, -8) MAIN_NUMBER,
         CALLINGPARTYLOCATIONID,
         CALLEDPARTYNUMBER,
         TIMEUNIT1/60 DURATION_MIN,
         SERVICEOFFERINGS,
         SERVICEIDENTIFIER,
         CHARGINGCONTEXTID,
         ROAMINGPOSITION,
         SERVICESCENARIO,
         ACCOUNTVALUEBEFORE,
         ACCOUNTVALUEAFTER,
         ACCOUNTVALUEDEDUCTED
    FROM CCN.ST_CDRCCN_IMPORT@EXAE ccn,
         (SELECT ban,
                 firstname,
                 msisdn,
                 state
            FROM dwh_redknee.subscriber@exae
           WHERE
           state <> 2
) red
   WHERE DATE_CODE >= '20250301'
   AND ccn.SUBSCRIBERNUMBER = red.msisdn(+)
```

```
    AND ccn.DEDACC1ID IS NULL
    AND ban IN (SELECT DISTINCT x.ban
                                FROM dwh_redknee.account@exae x
                          WHERE x.state <> 2)
    AND red.ban = 'xxxxxxxxxx'
ORDER BY DATE_CODE ASC;
```

Steps :

1- **Use the BAN (Billing Account Number) to check the customer traffic in the query bellow. Use the first query to check the BAN if you only have the main account number**

2- **Copy and paste the result in an excel file.**

3- **Perform the following check on the result.**
   - **Check SUBSCRIBERNUMBER field for multiple lines on the same account. This is acceptable for now, but this is not normal. This case is still under investigation to be fixed on the system (the customer should be billed under one line account)**
   - **Check ACCOUNTVALUEAFTER field to see whether the value consumed is way over the limit of the given subscriber. If this is the case mention it to sales specifically if you noticed multiple lines in SUBSCRIBERNUMBER field.**
   - **Check CALLEDPARTYNUMBER field for any international number. The customer Could use his credit to make a volume of international calls. On the other hand, The customer line could be hacked and start making calls to High Cost destination (In other case of IRSF fraud).**
   - **Check CHARGINGCONTEXTID field. Its value should be CS1plus_V.1.0@ericsson.com. If it is different make sure the CALLINGPARTYNUMBER is not a fixed line or the CALLEDPARTYNUMBER is voicemail number. When the CALLINGPARTYNUMBER is portable numer, it coud be customers under employee plan for the same account (like CUG plan), using data plan.**
   - **Check ROAMINGPOSITION = 0 (local Voice), SERVICEIDENTIFIER =0 (local voice) to make sure the customer is not outside the country and are making voice calls**