

Violations Query

(Current Day Wise Query)

1.) MSIL_OVERSPEED_VIOLATIONS

QUERY

```
create or replace PROCEDURE MSIL_OVERSPEED_VIOLATIONS
(c OUT SYS_REFCURSOR, today IN DATE,CUSTOMER_ID IN VARCHAR2)
AS
from_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '00:00:00';
end_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '23:59:59';
BEGIN
OPEN c FOR
select count(*) count
from temp_msil_overspeed_data
where overspeed_start_time BETWEEN TO_DATE( from_date,'DD-MM-YY HH24:MI:SS') AND TO_DATE(
end_date,'DD-MM-YY
HH24:MI:SS')
And cust_id = customer_id;
END MSIL_OVERSPEED_VIOLATIONS;
```

2.) MSIL_STOPPAGE_VIOLATIONS

(More than 6 hour's idleness creates violations.)

QUERY

```
create or replace PROCEDURE MSIL_STOPPAGE_VIOLATIONS
(c OUT SYS_REFCURSOR, today IN DATE ,CUSTOMER_ID IN VARCHAR2)
AS
from_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '00:00:00';
end_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '23:59:59';

BEGIN
OPEN c FOR
select count(*) count
from MSIL_STOPPAGE_RPT
where tmp_ert BETWEEN TO_DATE( from_date,'DD-MM-YY HH24:MI:SS') AND TO_DATE( end_date,'DD-MM-YY
HH24:MI:SS')
and tmp_idle_time_hrs>=6 and tmp_idle_time_mins>=0 and tmp_idle_time_secs>0
AND tmp_customer_id = customer_id;

END MSIL_STOPPAGE_VIOLATIONS;
```

3.) MSIL_RAPID_ACCELERATION_VIOLATIONS

(For rapid_acceleration, mam_alert_type=2)

QUERY

```
create or replace PROCEDURE MSIL_RAPIDACC_VIOLATIONS
(c OUT SYS_REFCURSOR, today IN DATE,CUSTOMER_ID IN VARCHAR2)
AS
from_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '00:00:00';
end_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '23:59:59';
BEGIN
OPEN c FOR
select count(*) count
from msil_alert_messages
where mam_message_created_time BETWEEN TO_DATE( from_date,'DD-MM-YY HH24:MI:SS') AND TO_DATE(
end_date,'DD-MM-YY
HH24:MI:SS')
and mam_alert_type=8
AND mam_customer_id=CUSTOMER_ID;

END MSIL_RAPIDACC_VIOLATIONS;
```

4.) MSIL_FREE_RUNNING_VIOLATIONS

QUERY

```
create or replace PROCEDURE MSIL_FREERUN_VIOLATIONS
(c OUT SYS_REFCURSOR, today IN DATE,CUSTOMER_ID IN VARCHAR2)
AS
from_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '00:00:00';
end_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '23:59:59';
BEGIN
OPEN c FOR
with
T1 AS(
select a.*,b.cust_id,b.cust_name from msil_free_wheeling_log a
inner join msil_tavlalloem_rst_l2_gj b on a.regn_no=b.veh_no
)
select count(*) count
from T1 a
where ert BETWEEN TO_DATE( from_date,'DD-MM-YY HH24:MI:SS') AND TO_DATE( end_date,'DD-MM-YY
HH24:MI:SS')
AND a.cust_id=CUSTOMER_ID;
END MSIL_FREERUN_VIOLATIONS;
```

5.) MSIL_CONTINUOUS_DRIVING_VIOLATIONS

QUERY

```
create or replace PROCEDURE MSIL_CONTIDRIVE_VIOLATIONS
(c OUT SYS_REFCURSOR, today IN DATE,CUSTOMER_ID IN VARCHAR2)
AS
from_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '00:00:00';
end_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '23:59:59';

BEGIN
OPEN c For
select count(*) count
from msil_continious_driving_data
where cont_drive_msg BETWEEN TO_DATE( from_date,'DD-MM-YY HH24:MI:SS') AND TO_DATE( end_date,'DD-MM-YY
HH24:MI:SS')
And cust_id=CUSTOMER_ID;

END MSIL_CONTIDRIVE_VIOLATIONS;
```

6.) MSIL_NIGHT_DRIVING_VIOLATIONS

QUERY

```
create or replace PROCEDURE MSIL_NIGHTDRIVE_VIOLATIONS
(c OUT SYS_REFCURSOR, today IN DATE,CUSTOMER_ID IN VARCHAR2)
AS
from_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '00:00:00';
end_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '03:59:59';

BEGIN
OPEN c FOR
select count(*) count
from day_night_quick_rpt
where start_time BETWEEN TO_DATE( from_date,'DD-MM-YY HH24:MI:SS') AND TO_DATE( end_date,'DD-MM-YY
HH24:MI:SS')
AND cust_id=CUSTOMER_ID

END MSIL_NIGHTDRIVE_VIOLATIONS;
```

7.) MSIL_HARSH_BRAKING_VIOLATIONS

(For Harsh Braking violation, mam_alert_type=8)

QUERY

```
create or replace PROCEDURE MSIL_HARSHBRAKING_VIOLATIONS
(c OUT SYS_REFCURSOR, today IN DATE,CUSTOMER_ID IN VARCHAR2)
AS
from_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '00:00:00';
end_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '23:59:59';

BEGIN
OPEN c FOR
select count(*) count
from msil_alert_messages
where mam_message_created_time BETWEEN TO_DATE( from_date,'DD-MM-YY HH24:MI:SS') AND TO_DATE(
end_date,'DD-MM-YY
HH24:MI:SS')
and mam_alert_type=2
AND mam_customer_id=CUSTOMER_ID;

END MSIL_HARSHBRAKING_VIOLATIONS;
```