

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)
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,cust_id,regn_no
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')
group by cust_id ,regn_no
order by cust_id,regn_no;
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)

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,tmp_customer_id,tmp_vehicle_no

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

group by tmp_customer_id ,tmp_vehicle_no

order by tmp_customer_id ,tmp_vehicle_no;

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)
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,mam_customer_id,mam_regn_no
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
group by mam_customer_id ,mam_regn_no
order by mam_customer_id,mam_regn_no;

END MSIL_RAPIDACC_VIOLATIONS;
```

4.) MSIL_FREE_RUNNING_VIOLATIONS

QUERY

```
create or replace PROCEDURE MSIL_FREERUN_VIOLATIONS
(c OUT SYS_REFCURSOR, today IN DATE)
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,a.CUST_ID,a.regn_no
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')
group by a.cust_id ,a.regn_no
order by a.cust_id,a.regn_no;

END MSIL_FREERUN_VIOLATIONS;
```

5.) MSIL_CONTINUOUS_DRIVING_VIOLATIONS

QUERY

```
create or replace PROCEDURE MSIL_CONTIDRIVE_VIOLATIONS
(c OUT SYS_REFCURSOR, today IN DATE)
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,cust_id,veh_no
from msil_continuous_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')
group by cust_id,veh_no
order by cust_id,veh_no;

END MSIL_CONTIDRIVE_VIOLATIONS;
```

6.) MSIL_NIGHT_DRIVING_VIOLATIONS

QUERY

```
create or replace PROCEDURE MSIL_NIGHTDRIVE_VIOLATIONS
(c OUT SYS_REFCURSOR, today IN DATE)
AS
from_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '00:00:00';
end_date VARCHAR2(20) := TO_CHAR(today,'dd-MM-YY') || '04:00:00';

BEGIN
OPEN c FOR
select count(*) count,CUST_ID,VEH_NO
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')
group by cust_id ,veh_no
order by cust_id,veh_no;

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)
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,mam_customer_id,mam_regn_no
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
group by mam_customer_id ,mam_regn_no
order by mam_customer_id,mam_regn_no;
END MSIL_HARSHBRAKING_VIOLATIONS;
```