*--CHECK FOR PREPAID\_POSTPAID\_TYPE\_KEY FOR ALL TABLES WITH KEY = 1 FOR PREPAID*

*--BASE CREATION---GREENFIELD*

**CREATE** **MULTISET** **VOLATILE** **TABLE** MNP\_BASE **AS**

(

**SELECT** A.CUST\_SBSCRPN\_KEY **AS** SBSCRPN\_KEY,

A.REAL\_DT,

B.FRANCH\_CD,

C.SLS\_TYPE\_DESC,

D.SBSCRPN\_ACTVTN\_DT

**FROM** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_TSACTN\_FCT **AS** A

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_CHNL\_HIERY **AS** B

**ON** A.SLS\_CHNL\_KEY = B.SLS\_CHNL\_KEY

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_TYPE **AS** C

**ON** A.SLS\_TYPE\_KEY = C.SLS\_TYPE\_KEY

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_DMNSN **AS** D

**ON** A.CUST\_SBSCRPN\_KEY = D.SBSCRPN\_KEY

**WHERE** C.SLS\_TYPE\_KEY = 1

**AND** A.REAL\_DT = '2022-04-28'

**QUALIFY** Row\_Number() Over (**PARTITION** **BY** CUST\_SBSCRPN\_KEY **ORDER** **BY** REAL\_DT **DESC** ) = 1

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **MULTISET** **VOLATILE** **TABLE** TARGET\_1\_MNP

**AS**

(

**SELECT**

**CASE**

**WHEN** Current\_Date < DATE '2021-04-30'+ 6 + 1 + 89 + 1 **THEN** 'D:NA'

**WHEN** DT\_OF\_LAST\_ACTVY BETWEEN DATE'2021-04-30' AND DATE '2021-04-30' + 6 **THEN** 'A:LAST\_ACTIVE\_IN\_FIRST\_7\_DAYS'

**WHEN** DT\_OF\_LAST\_ACTVY BETWEEN DATE'2021-04-30' + 6 + 1 **AND** DATE '2021-04-30' + 6 + 1 + 89 **THEN** 'B:LAST\_ACTIVE\_IN\_7\_97\_DAYS'

**ELSE** **NULL** **END** **AS** TW1\_FLAG

,**CASE**

**WHEN** Current\_Date < DATE '2021-04-30'+ 6 + 1 + 89 + 1 **THEN** **NULL**

**ELSE** DT\_OF\_LAST\_ACTVY **END** **AS** TW1\_LAST\_ACTIVITY\_DATE

,SBSCRPN\_KEY

**FROM**

(

**SELECT**

A.SBSCRPN\_KEY

,Max(DT\_OF\_LAST\_ACTVY) **AS** DT\_OF\_LAST\_ACTVY

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_LIFCYCL\_DAILY\_FCT **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**WHERE**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30'+ 6 + 1 + 89 + 1

**AND** DT\_OF\_LAST\_ACTVY BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6 + 1 + 89

**GROUP** **BY** 1

) **AS** A

**GROUP** **BY** 1,2,3

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **MULTISET** **VOLATILE** **TABLE** TARGET\_2\_MNP

**AS**

(

**SELECT**

**CASE**

**WHEN** Current\_Date < DATE '2021-04-30' + 6 + 1 + 89 + 1 + 29 + 1 **THEN** 'D:NA'

**WHEN** DT\_OF\_LAST\_ACTVY BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6 **THEN** 'A:LAST\_ACTIVE\_IN\_FIRST\_7\_DAYS'

**WHEN** DT\_OF\_LAST\_ACTVY BETWEEN DATE '2021-04-30' + 6 + 1 **AND** DATE '2021-04-30' + 6 + 1 + 89 **THEN** 'B:LAST\_ACTIVE\_IN\_7\_97\_DAYS'

**WHEN** DT\_OF\_LAST\_ACTVY BETWEEN DATE '2021-04-30' + 6 + 1 + 89 + 1 **AND** DATE '2021-04-30' + 6 + 1 + 89 + 1 + 29 **THEN** 'C:LAST\_ACTIVE\_IN \_97\_127\_DAYS'

**ELSE** **NULL** **END** **AS** TW2\_FLAG

,**CASE**

**WHEN** Current\_Date < DATE '2021-04-30' + 6 + 1 + 89 + 1 + 29 + 1 **THEN** **NULL**

**ELSE** DT\_OF\_LAST\_ACTVY **END** **AS** TW2\_LAST\_ACTIVITY\_DATE

,SBSCRPN\_KEY

**FROM**

(

**SELECT**

A.SBSCRPN\_KEY

,Max(DT\_OF\_LAST\_ACTVY) **AS** DT\_OF\_LAST\_ACTVY

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_LIFCYCL\_DAILY\_FCT **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**WHERE**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6 + 1 + 89 + 1 + 29 + 1

**AND** DT\_OF\_LAST\_ACTVY BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6 + 1 + 89 + 1 + 29

**GROUP** **BY** 1

) **AS** A

**GROUP** **BY** 1,2,3

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

**SELECT**

TW1\_FLAG

,Count(**DISTINCT** SBC) **AS** Cnt

**FROM**

TARGET\_1\_MNP

**GROUP** **BY** 1**;**

**SELECT**

TW2\_FLAG

,Count(**DISTINCT** ACCESS\_METHOD\_ID) **AS** Cnt

**FROM**

TARGET\_2\_MNP

**GROUP** **BY** 1**;**

**CREATE** **MULTISET** **VOLATILE** **TABLE** REGION\_INFO\_MNP

**AS**

(

**SELECT** A.\*

,C.REGION

,C.MBU\_CODE **AS** MBU

,C.MBU\_NAME **AS** NEW\_MBU

,C.FSE\_NAME

**FROM** MNP\_BASE A

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_TSACTN\_FCT B

**ON** A.SBSCRPN\_KEY = B.CUST\_SBSCRPN\_KEY

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.MONTHLY\_SND\_HIERARCHY C

**ON** B.PARNT\_FRANCH\_KEY = C.MSTR\_CHNL\_ID

**LEFT** **OUTER** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_TYPE D

**ON** (B.SLS\_TYPE\_KEY = D.SLS\_TYPE\_KEY)

**WHERE** C.CHANNEL\_TYPE = 'FRANCHISE' **OR** CHANNEL\_TYPE **IS** **NULL**

**AND** D.SLS\_TYPE\_DESC **IN** ('MNP')

**AND** B.DT\_VAL = DATE '2022-04-28'

**AND** B.PREPD\_PSTPD\_TYPE\_KEY **IN** (1) *--PREPAID*

**AND** B.SLS\_TYPE\_KEY **IN** (1) *--MNP*

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX** (SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **MULTISET** **VOLATILE** **TABLE** QOS\_NS\_TD

**AS**

(

**SELECT**

CUST\_SBSCRPN\_KEY **AS** SBSCRPN\_KEY

,REAL\_DT

**FROM**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_TSACTN\_FCT A

**WHERE**

REAL\_DT BETWEEN DATE '2022-04-28' - 1 - 346 **AND** DATE '2022-04-28' - 1 *--change the date later*

**AND**

SLS\_TYPE\_KEY **IN** (1,2)

**QUALIFY** Row\_Number() Over (**PARTITION** **BY** SBSCRPN\_KEY **ORDER** **BY** REAL\_DT **DESC** ) = 1

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **MULTISET** **VOLATILE** **TABLE** CYCLIC\_SALES

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,**CASE**

**WHEN** B.SBSCRPN\_KEY **IS** **NOT** **NULL** **THEN** 1 **ELSE** 0 **END** **AS** CYCLIC\_SIM

,B.REAL\_DT **AS** OLD\_REAL\_DATE

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

QOS\_NS\_TD **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**QUALIFY** Row\_Number() Over (**PARTITION** **BY** A.SBSCRPN\_KEY **ORDER** **BY** B.REAL\_DT **DESC** ) = 1

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

*---HANDSET VARS---*

*--DROP TABLE HANDSET\_7\_DAYS\_TMP\_MNP;*

**CREATE** **MULTISET** **VOLATILE** **TABLE** HANDSET\_7\_DAYS\_TMP\_MNP

**AS**

(

**SELECT**

NS.SBSCRPN\_KEY

,B.IMEI\_NUM\_VAL **AS** IMEI

**FROM**

MNP\_BASE **AS** NS

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_DVC\_MTHLY\_FCT A

**ON** NS.SBSCRPN\_KEY = A.SBSCRPN\_KEY

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.DVC\_DMNSN B

**ON** A.MOST\_USED\_DVC\_KEY = B.DVC\_KEY *--RECONFIRM/VALIDATE THIS LOGIC*

**WHERE**

Cast(DVC\_STRT\_DT **AS** DATE) BETWEEN Cast('2021-04-30' **AS** DATE) **AND** Cast('2021-04-30' **AS** DATE) + 6

**AND**

DVC\_DESC **IS** **NOT** **NULL**

**GROUP** **BY** 1,2

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

*--DROP TABLE TW\_POLLUTED\_HANDSETS\_MNP;*

**CREATE** **MULTISET** **VOLATILE** **TABLE** TW\_POLLUTED\_HANDSETS\_MNP

**AS**

(

**SELECT**

IMEI **AS** POLLUTED\_IMEI

,Count(**DISTINCT** SBSCRPN\_KEY) **AS** Cnt

**FROM**

HANDSET\_7\_DAYS\_TMP\_MNP

**GROUP** **BY** 1

**HAVING** Cnt > 1

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

*--DROP TABLE TW\_HANDSET\_7\_DAYS\_MNP;*

**CREATE** **MULTISET** **VOLATILE** **TABLE** TW\_HANDSET\_7\_DAYS\_MNP

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,Sum(**CASE** **WHEN** C.POLLUTED\_IMEI **IS** **NOT** **NULL** **THEN** -1 **ELSE** 0 **END** ) **AS** TW\_POLLUTED\_IMEI\_FLAG

,Sum(**CASE** **WHEN** Cnt **IS** **NULL** **THEN** 0 **ELSE** -1 \* Cnt **END** ) **AS** TW\_POLLUTED\_IMEI\_WEIGHTAGE

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

HANDSET\_7\_DAYS\_TMP\_MNP **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN**

TW\_POLLUTED\_HANDSETS\_MNP **AS** C

**ON**

B.IMEI = C.POLLUTED\_IMEI

**GROUP** **BY** 1

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

*---ACT PATTERN VARS---*

**CREATE** **VOLATILE** **TABLE** ACT\_PATTERN\_BASE\_MNP

**AS**

(

**SELECT**

A.SBSCRPN\_KEY *--AS ACCSS\_METH\_ID*

,A.REAL\_DT

,C.REGION

,C.MBU

,C.NEW\_MBU

,C.FSE\_NAME

*--,B.\**

,B.TOT\_MOBILINK\_RVNU - B.TOT\_VAS\_RVNU\_AMT **AS** PATTERN\_TMR

,DT\_VAL *--ADDING THIS BECAUSE NEXT TABLE IS USING THIS COLUMN*

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_DAILY\_SUMRY **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN**

REGION\_INFO\_MNP **AS** C

**ON**

A.SBSCRPN\_KEY = C.SBSCRPN\_KEY

**WHERE**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**AND** PREPD\_PSTPD\_TYPE\_KEY = 1

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** ACT\_PATTERN\_RECOG\_MNP

**AS**

(

**SELECT**

SBSCRPN\_KEY *-- AS ACCESS\_METHOD\_ID,*

,REAL\_DT

,MBU

,Max(**CASE** **WHEN** rn = 1 **THEN** Trim(PATTERN\_TMR) **END**)

|| Max(**CASE** **WHEN** rn = 2 **THEN** '|' || Trim(PATTERN\_TMR) **ELSE** '' **END**)

|| Max(**CASE** **WHEN** rn = 3 **THEN** '|' || Trim(PATTERN\_TMR) **ELSE** '' **END**)

|| Max(**CASE** **WHEN** rn = 4 **THEN** '|' || Trim(PATTERN\_TMR) **ELSE** '' **END**)

|| Max(**CASE** **WHEN** rn = 5 **THEN** '|' || Trim(PATTERN\_TMR) **ELSE** '' **END**)

|| Max(**CASE** **WHEN** rn = 6 **THEN** '|' || Trim(PATTERN\_TMR) **ELSE** '' **END**)

|| Max(**CASE** **WHEN** rn = 7 **THEN** '|' || Trim(PATTERN\_TMR) **ELSE** '' **END**) **AS** PATTERN\_TOTAL\_MOBILINK\_REV

**FROM**

(

**SELECT**

A.\*

,Row\_Number () Over (**PARTITION** **BY** SBSCRPN\_KEY **ORDER** **BY** DT\_VAL **ASC**) **AS** RN

**FROM**

ACT\_PATTERN\_BASE\_MNP **AS** A

) **AS** dt

**GROUP** **BY** 1,2,3

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **MULTISET** **VOLATILE** **TABLE** TW\_POLLUTED\_PATTERNS\_MNP

**AS**

(

**SELECT**

PATTERN\_TOTAL\_MOBILINK\_REV **AS** POLLUTED\_ACT\_PATTERN

,MBU

,Count( **DISTINCT** A.SBSCRPN\_KEY) **AS** Cnt

**FROM**

ACT\_PATTERN\_RECOG\_MNP **AS** A

**GROUP** **BY** 1,2

**HAVING** Cnt > 1

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

*--DROP TABLE TW\_ACT\_PATTERN\_7\_DAYS\_MNP;*

**CREATE** **MULTISET** **VOLATILE** **TABLE** TW\_ACT\_PATTERN\_7\_DAYS\_MNP

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,Sum(**CASE** **WHEN** C.POLLUTED\_ACT\_PATTERN **IS** **NOT** **NULL** **THEN** -1 **ELSE** 0 **END** ) **AS** TW\_POLLUTED\_PATTERN\_FLAG

,Sum(**CASE** **WHEN** Cnt **IS** **NULL** **THEN** 0 **ELSE** -1 \* Cnt **END** ) **AS** TW\_POLLUTED\_PATTERN\_WEIGHTAGE

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

ACT\_PATTERN\_RECOG\_MNP **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN**

TW\_POLLUTED\_PATTERNS\_MNP **AS** C

**ON**

B.PATTERN\_TOTAL\_MOBILINK\_REV = C.POLLUTED\_ACT\_PATTERN

**GROUP** **BY** 1

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

*---MOBILITY*

**CREATE** **MULTISET** **VOLATILE** **TABLE** MEH\_HOURLYSITES\_DAILY\_MNP

**AS**

(

**SELECT**

SBSCRPN\_KEY

, DT\_VAL

, NTWK\_ACTVY\_HOUR\_KEY

, SITE\_CD

, LAT

, LNGTD

*--COUNT(\*) AS CNT*

**FROM**

(

**SEL**

A.SBSCRPN\_KEY, DT\_VAL, NTWK\_ACTVY\_HOUR\_KEY, C.CELL\_SITE\_KEY *--CELL\_SITE NEEDS TO BE INVESTIGATED*

**FROM**

MNP\_BASE A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_HRLY\_FCT B

**ON** A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.CELL\_SITE\_DMNSN C

**ON** B.DEST\_CELL\_SITE\_KEY = C.CELL\_SITE\_KEY

**WHERE** DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**AND** NTWK\_ACTVY\_TYPE\_KEY = 1 *--VOICE ACTIVITY*

**AND** PREPD\_PSTPD\_TYPE\_KEY = 1 *--PREPAID*

**UNION**

**SEL**

A.SBSCRPN\_KEY, DT\_VAL, NTWK\_ACTVY\_HOUR\_KEY, C.CELL\_SITE\_KEY *--CELL\_SITE NEEDS TO BE INVESTIGATED*

**FROM**

MNP\_BASE A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_HRLY\_FCT B

**ON** A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.CELL\_SITE\_DMNSN C

**ON** B.DEST\_CELL\_SITE\_KEY = C.CELL\_SITE\_KEY

**WHERE** DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**AND** NTWK\_ACTVY\_TYPE\_KEY = 2 *--SMS ACTIVITY*

**AND** PREPD\_PSTPD\_TYPE\_KEY = 1

**UNION**

**SEL**

A.SBSCRPN\_KEY, DT\_VAL, NTWK\_ACTVY\_HOUR\_KEY, C.CELL\_SITE\_KEY *--CELL\_SITE NEEDS TO BE INVESTIGATED*

**FROM**

MNP\_BASE A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_HRLY\_FCT B

**ON** A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.CELL\_SITE\_DMNSN C

**ON** B.DEST\_CELL\_SITE\_KEY = C.CELL\_SITE\_KEY

**WHERE** DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**AND** NTWK\_ACTVY\_TYPE\_KEY = 4 *--DATA ACTIVITY*

**AND** PREPD\_PSTPD\_TYPE\_KEY = 1

**UNION**

**SEL**

A.SBSCRPN\_KEY, DT\_VAL, NTWK\_ACTVY\_HOUR\_KEY, C.CELL\_SITE\_KEY *--CELL\_SITE NEEDS TO BE INVESTIGATED*

**FROM**

MNP\_BASE A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_HRLY\_FCT B

**ON** A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.CELL\_SITE\_DMNSN C

**ON** B.DEST\_CELL\_SITE\_KEY = C.CELL\_SITE\_KEY

**WHERE** DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**AND** NTWK\_ACTVY\_TYPE\_KEY = 7 *--VAS ACTIVITY*

**AND** PREPD\_PSTPD\_TYPE\_KEY = 1 *--PREPAID*

) T1

**LEFT** **JOIN**

(

**SEL** CELL\_SITE\_KEY

,SITE\_CD

,LAT

,LNGTD

**FROM**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.CELL\_SITE\_DMNSN

) T2

**ON** T1.CELL\_SITE\_KEY = T2.CELL\_SITE\_KEY

**GROUP** **BY** 1,2,3,4,5,6

) **WITH** **DATA** **PRIMARY** **INDEX** (SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

*------------------------------APPENDING PREVIOUS LATITUTE AND LONGITUDE -------------------*

*-- DROP TABLE DP\_ADS.MEH\_CUST\_ADS\_HRLY\_SITES\_CREDIT\_SCORE\_EXPERT\_ST1\_PRD\_MNP;*

**CREATE** **MULTISET** **VOLATILE** **TABLE** MEH\_CUST\_ADS\_HRLY\_SITES\_MNP

**AS**

(

**SELECT** A.\*,

Max(LAT) Over (**PARTITION** **BY** SBSCRPN\_KEY, DT\_VAL **ORDER** **BY** NTWK\_ACTVY\_HOUR\_KEY **ROWS** BETWEEN 1 Preceding **AND** 1 Preceding) **AS** PREV\_LATITUDE,

Max(LNGTD) Over (**PARTITION** **BY** SBSCRPN\_KEY, DT\_VAL **ORDER** **BY** NTWK\_ACTVY\_HOUR\_KEY **ROWS** BETWEEN 1 Preceding **AND** 1 Preceding) **AS** PREV\_LONGITUDE

**FROM**

MEH\_HOURLYSITES\_DAILY\_MNP A

**WHERE** LAT <> 0

**AND** LNGTD <> 0

**AND** DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

) **WITH** **DATA** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

*---------------------DAILY DISTANCE------------------*

**CREATE** **MULTISET** **VOLATILE** **TABLE** MOBLITITY **AS**

(

**SELECT**

A.SBSCRPN\_KEY

,A.DISTANCE\_TRAVELLED

,**CASE** **WHEN** DISTANCE\_TRAVELLED = 0 **THEN** 0

**ELSE** 1 **END** **AS** MOBILITY

**FROM**

(

**SELECT**

A.SBSCRPN\_KEY

,Sum(DISTANCE\_TRAVELLED) **AS** DISTANCE\_TRAVELLED

**FROM**

(

**SEL**

SBSCRPN\_KEY,DT\_VAL,

**CASE** **WHEN** (Sum(DISTANCE\_TRAVELLED)<=1 **OR** Sum(DISTANCE\_TRAVELLED) **IS** **NULL**) **THEN** 0 **ELSE** Sum(DISTANCE\_TRAVELLED) **END** **AS** DISTANCE\_TRAVELLED

**FROM**

(

**SELECT** A.\*, (

1.60934 \* 2 \* 3961 \*

Asin(

Sqrt(

(Sin(Radians((LAT - PREV\_LATITUDE )/ 2))) \*\* 2

+

Cos(Radians(PREV\_LATITUDE))

\* Cos(Radians(LAT))

\* (Sin(Radians((LNGTD - PREV\_LONGITUDE)/ 2))) \*\* 2)

)) **AS** DISTANCE\_TRAVELLED

**FROM** MEH\_CUST\_ADS\_HRLY\_SITES\_MNP A

) T

**GROUP** **BY** 1,2

) **AS** A

**LEFT** **JOIN**

MNP\_BASE **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**GROUP** **BY** 1

)**AS** A

**GROUP** **BY** 1,2,3

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

*--- VOICE VARS ---*

**CREATE** **VOLATILE** **TABLE** VOC\_OG\_VARS\_7\_DAYS

**AS**

(

**SELECT**

NS.SBSCRPN\_KEY

,ZeroIfNull(Sum(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **THEN** NTWK\_ACTVY\_QTY **END**)) **AS** "VOC\_OG\_CNT"

,(Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **AND** ON\_NTWK\_IND = 0 **THEN** NTWK\_ACTVY\_QTY **END**))) **AS** "VOC\_OG\_OFF\_CNT"

,(Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **AND** ON\_NTWK\_IND = 1 **THEN** NTWK\_ACTVY\_QTY **END**))) **AS** "VOC\_OG\_ON\_CNT" *--ON\_NTWK\_IND = 1*

,Cast((ZeroIfNull(Sum(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **AND** IDD\_IND = 1 **THEN** NTWK\_ACTVY\_QTY **END**))) **AS** FLOAT) **AS** "VOC\_OG\_INTL\_CNT" *--IDD\_IND = 1*

,(Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_HOUR\_KEY **IN** ( 19,20,21,22,23,0,1) **AND** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **THEN** NTWK\_ACTVY\_QTY **END**))) **AS** "VOC\_OG\_NGT\_CNT"

,(Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_HOUR\_KEY BETWEEN 2 AND 7 **AND** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **THEN** NTWK\_ACTVY\_QTY **END**))) **AS** "VOC\_OG\_MORN\_CNT"

,(Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_HOUR\_KEY BETWEEN 8 AND 18 **AND** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **THEN** NTWK\_ACTVY\_QTY **END**))) **AS** "VOC\_OG\_BH\_CNT"

,(Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **THEN** TOT\_RVNU\_AMT **END**))) **AS** "VOC\_OG\_REV"

,(Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **THEN** TOT\_RNDD\_MINUTS\_OF\_USE **END**))) **AS** "VOC\_OG\_MOU"

,(Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **AND** ON\_NTWK\_IND = 0 **THEN** TOT\_RNDD\_MINUTS\_OF\_USE **END**))) **AS** "VOC\_OG\_OFF\_MOU"

,(Avg(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **THEN** TOT\_RNDD\_MINUTS\_OF\_USE))) **AS** "AVG\_CALL\_DUR"

,(Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_HOUR\_KEY **IN** ( 19,20,21,22,23,0,1) **AND** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **THEN** TOT\_RNDD\_MINUTS\_OF\_USE **END**))) **AS** "VOC\_OG\_NGT\_MOU"

,(Sum(ZeroIfNull(**CASE** **WHEN** CALL\_START\_HOUR BETWEEN 2 AND 7 **AND** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **THEN** TOT\_RNDD\_MINUTS\_OF\_USE **END**))) **AS** "VOC\_OG\_MORN\_MOU"

,(Sum(ZeroIfNull(**CASE** **WHEN** CALL\_START\_HOUR BETWEEN 8 AND 18 **AND** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (1) **THEN** TOT\_RNDD\_MINUTS\_OF\_USE **END**))) **AS** "VOC\_OG\_BH\_MOU"

,ZeroIfNull((VOC\_OG\_NGT\_MOU\*1.00)/NullIfZero(VOC\_OG\_MOU\*1.00)) \* 100 **AS** PCT\_NGT\_MOU

,ZeroIfNull((VOC\_OG\_OFF\_MOU\*1.00)/NullIfZero(VOC\_OG\_MOU\*1.00)) \* 100 **AS** PCT\_OFF\_MOU

,ZeroIfNull(VOC\_OG\_REV\*1.00/NullIfZero(VOC\_OG\_MOU\*1.00)) **AS** PPM

,ZeroIfNull((VOC\_OG\_NGT\_CNT\*1.00)/NullIfZero(VOC\_OG\_CNT\*1.00)) \* 100 **AS** PCT\_NGT\_CNT

,ZeroIfNull((VOC\_OG\_OFF\_CNT\*1.00)/NullIfZero(VOC\_OG\_CNT\*1.00)) \* 100 **AS** PCT\_OFF\_CNT

**FROM**

MNP\_BASE **AS** NS

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_HRLY\_FCT **AS** B

**ON**

NS.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**WHERE**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**AND** PREPD\_PSTPD\_TYPE\_KEY = 1 *--FOR PREPAID*

**GROUP** **BY** 1

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

*---VOC\_IC\_VARS*

**CREATE** **VOLATILE** **TABLE** VOC\_IC\_VARS\_7\_DAYS

**AS**

(

**SELECT**

NS.SBSCRPN\_KEY

,Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (0) **THEN** NTWK\_ACTVY\_QTY **END**)) **AS** VOC\_IC\_CNT

,NullIfZero(Sum(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (0) **AND** ON\_NTWK\_IND = 0 **THEN** NTWK\_ACTVY\_QTY **END**)) **AS** "VOC\_IC\_OFF\_CNT"

,NullIfZero(Sum(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (0) **AND** ON\_NTWK\_IND = 1 **THEN** NTWK\_ACTVY\_QTY **END**)) **AS** "VOC\_IC\_ON\_CNT"

,Cast((NullIfZero(Sum(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (1) **AND** CALL\_DRCTN\_TYPE\_KEY **IN** (0) **AND** IDD\_IND = 1 **THEN** NTWK\_ACTVY\_QTY **END**))) **AS** FLOAT) **AS** "VOC\_IC\_INTL\_CNT"

**FROM**

MNP\_BASE **AS** NS

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_HRLY\_FCT **AS** B

**ON**

NS.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**WHERE**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**AND** PREPD\_PSTPD\_TYPE\_KEY = 1 *--FOR PREPAID*

**GROUP** **BY** 1

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

*---VAS VARS ---*

**CREATE** **VOLATILE** **TABLE** VAS\_VARS\_7\_DAYS

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (7) **THEN** NTWK\_ACTVY\_QTY **END**)) **AS** VAS\_CALLS

,Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (7) **THEN** TOT\_RVNU\_AMT **END**)) **AS** VAS\_REV

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_HRLY\_FCT **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**AND** DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**AND** PREPD\_PSTPD\_TYPE\_KEY = 1 *--FOR PREPAID*

**GROUP** **BY** 1

**HAVING** VAS\_REV > 0

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

*---GPRS VARS --- RECHECK why rev amnt < 0 is applied*

**CREATE** **VOLATILE** **TABLE** GPRS\_VARS\_7\_DAYS **AS** (

**SELECT**

A.SBSCRPN\_KEY

,Sum(ZeroIfNull(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (4) **AND** TOT\_RVNU\_AMT < 0 **THEN** 0 **ELSE** TOT\_RVNU\_AMT **END**)) **AS** DATA\_REV

,Sum(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (4) **THEN** NTWK\_ACTVY\_QTY **END**) **AS** DATA\_CNT

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_HRLY\_FCT **AS** B

**ON**

A.SBSCRPN\_KEY=B.SBSCRPN\_KEY

**AND**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**GROUP** **BY** 1

)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

*---SMS VARS---*

**CREATE** **VOLATILE** **TABLE** SMS\_VARS\_7\_DAYS **AS** (

**SELECT**

A.SBSCRPN\_KEY,

Sum(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (4) **THEN** TOT\_RVNU\_AMT **END**) **AS** SMS\_REV,

Sum(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (4) **THEN** NTWK\_ACTVY\_QTY **END**) **AS** SMS\_CNT,

Sum(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (4) **AND** ON\_NTWK\_IND = 0 **THEN** TOT\_RVNU\_AMT **END**) **AS** SMS\_OFF\_REV,

Sum(**CASE** **WHEN** NTWK\_ACTVY\_TYPE\_KEY **IN** (4) **AND** ON\_NTWK\_IND = 1 **THEN** TOT\_RVNU\_AMT **END**) **AS** SMS\_OFF\_CNT

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_HRLY\_FCT **AS** B

**ON** A.SBSCRPN\_KEY=B.SBSCRPN\_KEY

**AND**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**GROUP** **BY** 1

)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

*---RECHARGE VARS ---*

**CREATE** **VOLATILE** **TABLE** RECH\_VARS\_7\_DAYS **AS** (

**SELECT**

A.SBSCRPN\_KEY,

Sum(**CASE** **WHEN** "B"."COMRCL\_IND" = 1 **THEN** ZeroIfNull("B"."FACE\_AMT") **END**) **AS** "RECH\_AMT",

ZeroIfNull(Sum(**CASE** **WHEN** COMRCL\_IND = 1 **AND** DT\_VAL = Cast('2021-04-30' **AS** DATE) **THEN** FACE\_AMT **END**)) **AS** D0\_RECH\_AMT, *--TAKING DT\_VAL AS PAYMENT\_DT*

Max(FACE\_AMT) **AS** MAX\_RECH\_AMT

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.RCHRG\_FCT **AS** B

**ON** A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**AND**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**GROUP** **BY** 1

)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

*---BUNDLES INFO---*

**CREATE** **MULTISET** **VOLATILE** **TABLE** BUNDLE\_INFO\_7\_DAYS

**AS**

(

**SELECT**

A1.SBSCRPN\_KEY,

Sum(ZeroIfNull(PROD\_ACTVTN\_RVNU\_AMT)) **AS** NON\_USG\_REV,

Count(\*) **AS** NON\_USG\_CNT

**FROM**

MNP\_BASE A1

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.PROD\_ACTVTN\_FCT **AS** A

**ON**

A1.SBSCRPN\_KEY = A.SBSCRPN\_KEY

**AND**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**WHERE** CHRG\_CLAS\_CTGY\_KEY **IN** (5, 7) *--5 MEANS PROVISION 7 MEANS RENEW (RESUBSCRIPTION)*

**GROUP** **BY** 1

)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX** (SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

*--------------------ACTIVITY DAYS ----------------------------*

**CREATE** **VOLATILE** **TABLE** ACT\_DAYS

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,ZeroIfNull(ACT\_DAYS) **AS** ACT\_DAYS

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

(

**SELECT**

SBSCRPN\_KEY

,Count(DT\_VAL) ACT\_DAYS

**FROM**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_DAILY\_SUMRY

**WHERE**

Cast (DT\_VAL **AS** DATE) BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**AND**

(

VOICE\_OTGO\_ACTV\_IND = 1 **OR** RCHRG\_IND = 1 **OR** PROD\_ACTVTN\_EV\_IND = 1 **OR** BAL\_INQRY\_IND = 1 **OR** DATA\_ACTV\_IND = 1 **OR** VOICE\_INCMG\_ACTV\_IND = 1

)

**GROUP** **BY** 1

) **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** ACT\_DAYS\_0\_1

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,ACT\_DAYS\_0\_1

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

(

**SELECT**

SBSCRPN\_KEY

, 1 **AS** ACT\_DAYS\_0\_1

**FROM**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_DAILY\_SUMRY

**WHERE**

Cast (DT\_VAL **AS** DATE) BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 1

**AND**

(

VOICE\_OTGO\_ACTV\_IND = 1 **OR** RCHRG\_IND = 1 **OR** PROD\_ACTVTN\_EV\_IND = 1 **OR** BAL\_INQRY\_IND = 1 **OR** DATA\_ACTV\_IND = 1 **OR** VOICE\_INCMG\_ACTV\_IND = 1

)

) **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

*-- --WHERE REAL\_DATE = CAST('2019-07-01' AS DATE)*

) **WITH** **DATA** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** ACT\_DAYS\_2\_4

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,ACT\_DAYS\_2\_4

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

(

**SELECT**

SBSCRPN\_KEY

, 1 **AS** ACT\_DAYS\_2\_4

**FROM**

"JTR\_PPD\_03\_SHRD\_STD\_0\_V"."SBSCRPN\_DAILY\_SUMRY"

**WHERE**

Cast (DT\_VAL **AS** DATE) BETWEEN DATE '2021-04-30' + 2 **AND** DATE '2021-04-30' + 4

**AND**

(

VOICE\_OTGO\_ACTV\_IND = 1 **OR** RCHRG\_IND = 1 **OR** PROD\_ACTVTN\_EV\_IND = 1 **OR** BAL\_INQRY\_IND = 1 **OR** DATA\_ACTV\_IND = 1 **OR** VOICE\_INCMG\_ACTV\_IND = 1

)

) **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

*--WHERE REAL\_DATE = CAST('2019-07-01' AS DATE)*

) **WITH** **DATA** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** ACT\_DAYS\_5\_6

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,ACT\_DAYS\_5\_6

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

(

**SELECT**

SBSCRPN\_KEY

, 1 **AS** ACT\_DAYS\_5\_6

**FROM**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_DAILY\_SUMRY

**WHERE**

Cast (DT\_VAL **AS** DATE) BETWEEN DATE '2021-04-30' + 5 **AND** DATE '2021-04-30' + 6

**AND**

(

VOICE\_OTGO\_ACTV\_IND = 1 **OR** RCHRG\_IND = 1 **OR** PROD\_ACTVTN\_EV\_IND = 1 **OR** BAL\_INQRY\_IND = 1 **OR** DATA\_ACTV\_IND = 1 **OR** VOICE\_INCMG\_ACTV\_IND = 1

)

) **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

*--WHERE REAL\_DATE = CAST('2019-07-01' AS DATE)*

) **WITH** **DATA** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

*----------------------------------*

**CREATE** **VOLATILE** **TABLE** ACT\_DAYS\_ALL

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,B.ACT\_DAYS

,ZeroIfNull(C.ACT\_DAYS\_0\_1) ACT\_DAYS\_0\_1

,ZeroIfNull(D.ACT\_DAYS\_2\_4) ACT\_DAYS\_2\_4

,ZeroIfNull(E.ACT\_DAYS\_5\_6) ACT\_DAYS\_5\_6

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

ACT\_DAYS **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN**

ACT\_DAYS\_0\_1 **AS** C

**ON**

A.SBSCRPN\_KEY = C.SBSCRPN\_KEY

**LEFT** **JOIN**

ACT\_DAYS\_2\_4 **AS** D

**ON**

A.SBSCRPN\_KEY = D.SBSCRPN\_KEY

**LEFT** **JOIN**

ACT\_DAYS\_5\_6 **AS** E

**ON**

A.SBSCRPN\_KEY = E.SBSCRPN\_KEY

**GROUP** **BY** 1,2,3,4,5

) **WITH** **DATA** **ON** **COMMIT** **PRESERVE** **ROWS;**

*-----------------------------CELLSITE--------------------*

*--DROP TABLE CELL\_SITES;*

**CREATE** **VOLATILE** **TABLE** CELL\_SITES

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,ZeroIfNull(NUM\_MAX\_CELLSITES) **AS** NUM\_MAX\_CELLSITES

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

(

**SELECT**

SBSCRPN\_KEY, Count(**DISTINCT** OVRL\_USGE\_MAX\_STY\_CELL\_SITE\_KEY) **AS** NUM\_MAX\_CELLSITES

**FROM**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.MAX\_STY\_CELL\_SITE\_DAILY\_FCT

**WHERE**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**GROUP** **BY** 1

) **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

*---------------DOR DAYS ---------------------*

*--PROBLEM*

*--LOOK FOR CHECKS OF*

*--MMS\_ACTV\_IND > 0 OR*

*--VOUCHER\_ACTV\_IND > 0 OR*

*--M2M\_ACTV\_IND > 0 OR*

*--IC\_ACTV\_IND > 0 OR*

*--NONUSAGE\_ACTV\_IND > 0*

**CREATE** **VOLATILE** **TABLE** DOR\_DAYS

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,Coalesce((Cast('2021-04-30' **AS** DATE) + 6) - LAST\_ACT,'6') **AS** DOR\_DAYS

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

(

**SELECT**

SBSCRPN\_KEY

,DT\_VAL **AS** LAST\_ACT

**FROM**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_DAILY\_SUMRY

**WHERE**

DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

**AND**

(

VOICE\_ACTV\_IND > 0 **OR**

SMS\_ACTV\_IND > 0 **OR**

VAS\_ACTV\_IND > 0 **OR**

DATA\_ACTV\_IND > 0 **OR**

VOICE\_INCMG\_ACTV\_IND > 0

)

**QUALIFY** Row\_Number() Over (**PARTITION** **BY** SBSCRPN\_KEY **ORDER** **BY** DT\_VAL **DESC** ) = 1

) **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

*--------------------------------------------SIM\_ACT B4 REAL-----------------------------*

**CREATE** **VOLATILE** **TABLE** QOS\_HS\_PRIOR

**AS**

(

**SEL** IMEI\_NUM\_VAL **AS** IMEI,DVC\_NAME, Count(**DISTINCT** NS.SBSCRPN\_KEY) **AS** NO\_OF\_SIMS

**FROM**

MNP\_BASE **AS** NS

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_DAILY\_FCT **AS** A

**ON**

NS.SBSCRPN\_KEY = A.SBSCRPN\_KEY

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.DVC\_DMNSN **AS** B

**ON**

A.DVC\_KEY=B.DVC\_KEY

**AND** DT\_VAL BETWEEN DATE '2021-04-30' - 7 **AND** DATE '2021-04-30' - 1

**GROUP** **BY** 1,2

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(IMEI) **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** HS\_2\_WEEK\_NEW

**AS**

(

**SELECT** SBSCRPN\_KEY,A.DVC\_KEY,DT\_VAL

**FROM**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_DAILY\_FCT **AS** A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.DVC\_DMNSN **AS** B

**ON** A. DVC\_KEY = B.DVC\_KEY

**WHERE** DT\_VAL BETWEEN DATE '2021-04-30' **AND** DATE '2021-04-30' + 6

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY,DT\_VAL,DVC\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** HS\_2\_WEEK\_NEW\_B

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,A.DT\_VAL

,IMEI\_NUM\_VAL **AS** IMEI

**FROM**

HS\_2\_WEEK\_NEW **AS** A

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.NTWK\_ACTVY\_DAILY\_FCT **AS** B

**ON** A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN**

JTR\_PPD\_03\_SHRD\_STD\_0\_V.DVC\_DMNSN **AS** C

**ON** B.DVC\_KEY=C.DVC\_KEY

**QUALIFY** Row\_Number() Over (**PARTITION** **BY** A.SBSCRPN\_KEY **ORDER** **BY** A.SBSCRPN\_KEY **DESC** ) = 1

)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY,DT\_VAL,IMEI) **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** QOS\_PRIOR

**AS**

(

**SELECT**

A.SBSCRPN\_KEY

,**CASE** **WHEN** C.IMEI **IS** **NOT** **NULL** **THEN** 1 **ELSE** 0 **END** **AS** ACT\_B4\_REAL

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

HS\_2\_WEEK\_NEW\_B **AS** B

**ON**

A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN**

QOS\_HS\_PRIOR **AS** C

**ON**

B.IMEI = C.IMEI

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

*----BIOMETRIC SALES*

**CREATE** **VOLATILE** **TABLE** BIOMETRIC\_SALES **AS** (

**SELECT** MOST\_RCENT\_DVC\_KEY **AS** IMEI,

Sum(**CASE** **WHEN** BVS\_DT BETWEEN Cast('2021-04-30' **AS** DATE)-30 **AND** Cast('2021-04-30' **AS** DATE)-1 **THEN** 1 **ELSE** 0 **END**) **AS** BVS\_DEVICE\_CNT30,

Sum(**CASE** **WHEN** BVS\_DT BETWEEN Cast('2021-04-30' **AS** DATE)-15 **AND** Cast('2021-04-30' **AS** DATE)-1 **THEN** 1 **ELSE** 0 **END**) **AS** BVS\_DEVICE\_CNT15,

Sum(**CASE** **WHEN** BVS\_DT BETWEEN Cast('2021-04-30' **AS** DATE)-10 **AND** Cast('2021-04-30' **AS** DATE)-1 **THEN** 1 **ELSE** 0 **END**) **AS** BVS\_DEVICE\_CNT10,

Sum(**CASE** **WHEN** BVS\_DT BETWEEN Cast('2021-04-30' **AS** DATE)-7 **AND** Cast('2021-04-30' **AS** DATE)-1 **THEN** 1 **ELSE** 0 **END**) **AS** BVS\_DEVICE\_CNT7,

Sum(**CASE** **WHEN** BVS\_DT BETWEEN Cast('2021-04-30' **AS** DATE) **AND** Cast('2021-04-30' **AS** DATE)+6 **THEN** 1 **ELSE** 0 **END**) **AS** BVS\_DEVICE\_CNT\_PLUS6

**FROM** "JTR\_PPD\_03\_SHRD\_STD\_0\_V"."SLS\_TSACTN\_FCT" A

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_DAILY\_SUMRY B

**ON** CUST\_SBSCRPN\_KEY = SBSCRPN\_KEY

**WHERE** SBSCRPN\_KEY **IN** (**SELECT** SBSCRPN\_KEY **FROM** MNP\_BASE)

**AND** BVS\_DT BETWEEN Cast('2021-04-30' **AS** DATE)-90 **AND** Cast('2021-04-30' **AS** DATE)+6 **AND** POS\_ID **IS** **NOT** **NULL**

**GROUP** **BY** 1

)**WITH** **DATA** **PRIMARY** **INDEX**(IMEI)**ON** **COMMIT** **PRESERVE** **ROWS**

**;**

**CREATE** **VOLATILE** **TABLE** AMI\_IMEI **AS** (

**SELECT** A.SBSCRPN\_KEY, A.REAL\_DT, B.IMEI,B.BVS\_DT

**FROM** MNP\_BASE **AS** A

**LEFT** **JOIN** (

**SELECT** MOST\_RCENT\_DVC\_KEY **AS** IMEI, SBSCRPN\_KEY, BVS\_DT

**FROM** "JTR\_PPD\_03\_SHRD\_STD\_0\_V"."SLS\_TSACTN\_FCT" A

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_DAILY\_SUMRY B

**ON** CUST\_SBSCRPN\_KEY = SBSCRPN\_KEY

**WHERE** BVS\_DT>= Cast('2021-04-30' **AS** DATE)-360) **AS** B

**ON** A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**AND** A.SBSCRPN\_ACTVTN\_DT = B.BVS\_DT

**QUALIFY** Row\_Number() Over (**PARTITION** **BY** A.SBSCRPN\_KEY **ORDER** **BY** B.IMEI **DESC** ) = 1

)**WITH** **DATA** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** BIOMETRIC\_SALES\_AMI **AS** (

**SELECT** A.SBSCRPN\_KEY, A.REAL\_DT - A.BVS\_DT **AS** TO\_REAL\_DURATION, B.\*

**FROM**

AMI\_IMEI **AS** A

**LEFT** **JOIN** BIOMETRIC\_SALES **AS** B

**ON** A.IMEI=B.IMEI

)**WITH** **DATA** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

*--RESOLVED*

*---RBT--*

**CREATE** **VOLATILE** **TABLE** RBT **AS** (

**SELECT**

A.SBSCRPN\_KEY

, ZeroIfNull(Sum(NO\_OF\_CALLS)) **AS** RBT\_CALLS

, ZeroIfNull(Sum(CALL\_GROSS\_REVENUE\_AMT)) **AS** RBT\_REVENUE

**FROM**

MNP\_BASE **AS** A

**LEFT** **JOIN**

( **SELECT**

SBSCRPN\_KEY

, PROD\_KEY

, PROD\_ACTVTN\_DT\_KEY

, Sum (PROD\_ACTVTN\_RVNU\_AMT) **AS** CALL\_GROSS\_REVENUE\_AMT

, Count (SBSCRPN\_KEY) **AS** NO\_OF\_CALLS

**FROM** JTR\_PPD\_03\_SHRD\_STD\_0\_V.PROD\_ACTVTN\_FCT **AS** A

**WHERE**

PROD\_KEY **IN** ( '304450','304445','304451','304446','304545','304448','305241','304453','304544','304449','304447','304452')

**AND**

DT\_VAL BETWEEN Cast('2021-04-30' **AS** DATE) **AND** Cast('2021-04-30' **AS** DATE)+6

**GROUP** **BY** 1,2,3

) **AS** B

**ON** A.SBSCRPN\_KEY=B.SBSCRPN\_KEY

**GROUP** **BY** 1

)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

*--MINOR AMBIGUITY*

**CREATE** **VOLATILE** **TABLE** RETAILER\_SEASON\_CNIC **AS** (

**SEL** A.SBSCRPN\_KEY,A.REAL\_DT, A.FRANCH\_CD

,Count(A.SBSCRPN\_KEY) Over (**PARTITION** **BY** FRANCH\_CD) **AS** RETAILER\_SALE\_CNT

,**CASE** **WHEN** Extract (DAY From REAL\_DT) BETWEEN 1 AND 10 **THEN** 1 **ELSE** 0 **END** **AS** SEASONALITY\_F10\_DAYS

,**CASE** **WHEN** Extract (DAY From REAL\_DT) BETWEEN 21 AND 25 **THEN** 1 **ELSE** 0 **END** **AS** SEASONALITY\_F5\_L10\_DAYS

,**CASE** **WHEN** Extract (DAY From REAL\_DT) BETWEEN 26 AND 31 **THEN** 1 **ELSE** 0 **END** **AS** SEASONALITY\_F10\_L10\_DAYS

,**CASE** **WHEN** "SYSLIB"."TD\_DAY\_OF\_WEEK"("REAL\_DT") **IN** (1,7) **THEN** 1 **ELSE** 0 **END** **AS** IS\_A\_WEEKEND

,Coalesce (PURCHASER\_CNIC,'NA') **AS** PURCHASER\_CNIC

**FROM** MNP\_BASE **AS** A

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_TSACTN\_FCT **AS** B

**ON** A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**AND** A.SBSCRPN\_ACTVTN\_DT = B.BVS\_DATE

**WHERE** A.REAL\_DT = Cast('2021-04-30' **AS** DATE)

**QUALIFY** (Row\_Number () Over (**PARTITION** **BY** A.SBSCRPN\_KEY **ORDER** **BY** A.SBSCRPN\_KEY)) = 1

)

**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY) **ON** **COMMIT** **PRESERVE** **ROWS;**

*--RESOLVED*

**CREATE** **VOLATILE** **TABLE** MIMO **AS** (

**SEL** A.SBSCRPN\_KEY

,A.MONEY\_IN

,A.MONEY\_OUT

,ZeroIfNull(MONEY\_IN/NullIfZero(MONEY\_OUT)) **AS** MONEY\_IN\_MONEY\_OUT

**FROM** MNP\_BASE **AS** NS

**LEFT** **JOIN**

(

**SEL** SBSCRPN\_KEY

,Sum(FACE\_AMT) **AS** MONEY\_IN *--NO OF VOUCHERS NOT AVAILABLE*

,Sum(JAZZSHARE\_AMT) **AS** MONEY\_OUT

**FROM** JTR\_PPD\_03\_SHRD\_STD\_0\_V.RCHRG\_FCT **AS** B

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.JAZZSHARE\_FCT **AS** C

**ON** B.SBSCRPN\_KEY = C.SNDG\_SBSCRPN\_KEY

**WHERE** B.DT\_VAL BETWEEN Cast('2021-04-30' **AS** DATE) **AND** Cast('2021-04-30' **AS** DATE) + 6

**GROUP** **BY** 1

) A

**ON** NS.SBSCRPN\_KEY = A.SBSCRPN\_KEY)

**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

**;**

**CREATE** **VOLATILE** **TABLE** RECH\_STREAM **AS** (

**SEL** NS.SBSCRPN\_KEY

,EVC\_AMT

,EVC\_CNT

,SVC\_AMT

,SVC\_CNT

,EFFICS\_WEBSITE\_AMT

,EFFICS\_WEBSITE\_CNT

,M2M\_CNT

,M2M\_AMT

**FROM** MNP\_BASE NS

**LEFT** **JOIN**

(

**SEL** SBSCRPN\_KEY

,Sum(**CASE** **WHEN** ("RCHRG\_TYPE\_KEY" = 2) **AND** ("COMRCL\_IND" = 1) **THEN** "FACE\_AMT" **END**) **AS** "EVC\_AMT"

,Count(**CASE** **WHEN** ("RCHRG\_TYPE\_KEY" = 2) **AND** ("COMRCL\_IND" = 1) **THEN** "TSACTN\_ID" **END**) **AS** "EVC\_CNT"

,Sum(**CASE** **WHEN** ("RCHRG\_TYPE\_KEY" = 1) **AND** ("COMRCL\_IND" = 1) **THEN** "FACE\_AMT" **END**) **AS** "SVC\_AMT"

,Count(**CASE** **WHEN** ("RCHRG\_TYPE\_KEY" = 1) **AND** ("COMRCL\_IND" = 1) **THEN** "TSACTN\_ID" **END**) **AS** "SVC\_CNT"

,Sum(**CASE** **WHEN** ("RCHRG\_TYPE\_KEY" = 4) **AND** ("COMRCL\_IND" = 1) **THEN** "FACE\_AMT" **END**) **AS** "EFFICS\_WEBSITE\_AMT"

,Count(**CASE** **WHEN** ("RCHRG\_TYPE\_KEY" = 4) **AND** ("COMRCL\_IND" = 1) **THEN** "TSACTN\_ID" **END**) **AS** "EFFICS\_WEBSITE\_CNT"

,Sum(**CASE** **WHEN** ("RCHRG\_TYPE\_KEY" = 3) **AND** ("COMRCL\_IND" = 0) **THEN** "FACE\_AMT" **END**) **AS** "M2M\_AMT"

,Count(**CASE** **WHEN** ("RCHRG\_TYPE\_KEY" = 3) **AND** ("COMRCL\_IND" = 0) **THEN** "TSACTN\_ID" **END**) **AS** "M2M\_CNT"

**FROM** JTR\_PPD\_03\_SHRD\_STD\_0\_V.RCHRG\_FCT

**WHERE** "DT\_VAL" BETWEEN Cast('2021-04-30' **AS** DATE) **AND** Cast('2021-04-30' **AS** DATE) + 6

**GROUP** **BY** 1

) A

**ON** Cast (NS.SBSCRPN\_KEY **AS** INTEGER) = Cast(A.SBSCRPN\_KEY **AS** INTEGER)

)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** BUNDLE\_SUBS\_1 **AS** (

**SEL** NS.SBSCRPN\_KEY

,CHURNERS\_1STFAV\_BUNDLES

**FROM** MNP\_BASE **AS** NS

**LEFT** **JOIN**

(

**SEL** **DISTINCT** SBSCRPN\_KEY,'1' **AS** CHURNERS\_1STFAV\_BUNDLES

**FROM** DP\_VEW.PREPD\_NON\_USG\_VEW

**WHERE** NON\_USG\_START\_DT BETWEEN Cast('2021-04-30' **AS** DATE) **AND** Cast('2021-04-30' **AS** DATE) + 6

**AND** SUB\_OFFRNG\_ID **IN** (13134

,13131

,13480

,8520

,13788

,12720

,13248

,14353

,14652

,14682

,14260

,14351

,2034)

) **AS** A

**ON** NS.ACCESS\_METHOD\_ID = A.ACCESS\_METHOD\_ID)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(ACCESS\_METHOD\_ID)**ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** BUNDLE\_SUBS\_2 **AS** (

**SEL** NS.ACCESS\_METHOD\_ID

,CHURNERS\_2STFAV\_BUNDLES

**FROM** MNP\_BASE **AS** NS

**LEFT** **JOIN**

(

**SEL** **DISTINCT** ACCESS\_METHOD\_ID,'2' **AS** CHURNERS\_2STFAV\_BUNDLES

**FROM** DP\_VEW.PREPD\_NON\_USG\_VEW

**WHERE** NON\_USG\_START\_DT BETWEEN Cast('2021-04-30' **AS** DATE) **AND** Cast('2021-04-30' **AS** DATE) + 6

**AND** SUB\_OFFRNG\_ID **IN** (16426

,14656

,13135

,13128

,13468

,8513

,16006

,13805

,13796

,12711

,16008

,14342

,13244

,14346

,14689

,14224

,14653

,1784

,16422

,14657

,13206

)

) **AS** A

**ON** NS.ACCESS\_METHOD\_ID = A.ACCESS\_METHOD\_ID) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(ACCESS\_METHOD\_ID)**ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** REQ\_RUN\_RATE **AS**

(

**SEL** FRANCHISE\_CODE,Extract(MONTH From DATE '2021-04-30') **AS** MONTH\_ID

,Sum(GRS\_ADDS\_CNT) **AS** TOTAL\_GROSS\_ADDS

,(DATE '2021-04-30' - Extract(DAY From DATE '2021-04-30') + 1) **AS** FIRST\_DAY\_OF\_MONTH

, Add\_Months(( DATE '2021-04-30' - Extract(DAY From DATE '2021-04-30') + 1),1)-1 **AS** LAST\_DAY\_OF\_MONTH

,TOTAL\_GROSS\_ADDS / (LAST\_DAY\_OF\_MONTH - FIRST\_DAY\_OF\_MONTH + 1) **AS** REQ\_RUN\_RATE

,DATE '2021-04-30' **AS** REFERENCE\_DATE

**FROM** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_CHNL\_DAILY\_SUMRY\_FCT **AS** A

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.MONTHLY\_SND\_HIERARCHY **AS** B

**ON** A.PARNT\_FRANCH\_KEY = B.MSTR\_CHNL\_ID

**WHERE** Extract (MONTH From A.MONTH\_ID) = Extract (MONTH From DATE '2021-04-30')

**AND** A.DT\_VAL = DATE '2021-04-30'

**GROUP** **BY** 1,2,4,5

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX** (FRANCHISE\_CODE) **ON** **COMMIT** **PRESERVE** **ROWS;**

*--DROP TABLE CURR\_RUN\_RATE;*

**CREATE** **VOLATILE** **TABLE** CURR\_RUN\_RATE **AS**

(

**SEL** A.FRANCH\_CD **AS** FRANCHISE\_ID ,DATE '2021-04-30' **AS** REFERENCE\_DATE

,Count(B.CUST\_SBSCRPN\_KEY) **AS** TOTAL\_SALES

,(DATE '2021-04-30' - Extract(DAY From DATE '2021-04-30') + 1) **AS** FIRST\_DAY\_OF\_MONTH

,TOTAL\_SALES /(DATE '2021-04-30' - FIRST\_DAY\_OF\_MONTH + 1 ) **AS** CURR\_RUN\_RATE

,(DATE '2021-04-30' - FIRST\_DAY\_OF\_MONTH ) **AS** TEST

**FROM** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_CHNL\_HIERY **AS** A

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_TSACTN\_FCT **AS** B

**ON** A.SLS\_CHNL\_KEY = B.SLS\_CHNL\_KEY

**WHERE** Extract(MONTH From REAL\_DT) = Extract (MONTH From DATE '2021-04-30')

**GROUP** **BY** 1,2,4

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX** (FRANCHISE\_ID,REFERENCE\_DATE) **ON** **COMMIT** **PRESERVE** **ROWS;**

*--DROP TABLE TARGET\_SLABS;*

**CREATE** **VOLATILE** **TABLE** TARGET\_RATIO **AS**

(

**SEL** A.FRANCHISE\_ID,A.REFERENCE\_DATE,REQ\_RUN\_RATE - CURR\_RUN\_RATE **AS** TARGET\_RATIO

**FROM** REQ\_RUN\_RATE **AS** A

**LEFT** **JOIN** CURR\_RUN\_RATE **AS** B

**ON** A.FRANCHISE\_ID = B.FRANCHISE\_ID

**AND** A.REFERENCE\_DATE = B.REFERENCE\_DATE

) **WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX** (FRANCHISE\_ID,REFERENCE\_DATE) **ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** FRANCHISE\_TGT **AS** (

**SEL** **DISTINCT** B.FRANCHISE\_ID

,(A.SBSCRPN\_KEY) \* B.GRS\_ADDS\_QOS **AS** TOTAL\_SALES\_TGT

**FROM** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_CHNL\_DAILY\_SUMRY\_FCT **AS** A

**LEFT** **JOIN**

(

**SEL** FRANCHISE\_CODE **AS** FRANCHISE\_ID, MSTR\_CHNL\_ID, GRS\_ADDS\_QOS

**FROM** JTR\_PPD\_03\_SHRD\_STD\_0\_V.MONTHLY\_SND\_HIERARCHY **AS** X

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_CHNL\_DAILY\_SUMRY\_FCT **AS** Y

**ON** PARNT\_FRANCH\_KEY = MSTR\_CHNL\_ID

**WHERE** JTR\_PPD\_03\_SHRD\_STD\_0\_V.TGT\_SETG\_FCT.MONTH\_ID = (**SEL** **DISTINCT** MONTH\_ID **FROM** JTR\_PPD\_03\_SHRD\_STD\_0\_V.TGT\_SETG\_FCT **WHERE** TGT\_SETG\_DT\_KEY = Cast('2021-04-30' **AS** DATE))

**AND** GRS\_ADDS\_QOS <> 0

**QUALIFY** Rank() Over (**PARTITION** **BY** FRANCHISE\_ID **ORDER** **BY** GRS\_ADDS\_QOS **DESC**) = 1

) **AS** B

**ON** PARNT\_FRANCH\_KEY = MSTR\_CHNL\_ID

**WHERE** JTR\_PPD\_03\_SHRD\_STD\_0\_V.TGT\_SETG\_FCT.TGT\_SETG\_DT\_KEY = Cast('2021-04-30' **AS** DATE)

**AND** GRS\_ADDS\_IND <> 0

**AND** DELETION\_FLAG **IS** **NULL** *-- DELETION FLAG MISSING*

)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(FRANCHISE\_ID)**ON** **COMMIT** **PRESERVE** **ROWS;**

*--end 1*

**CREATE** **VOLATILE** **TABLE** CNIC\_SALES **AS** (

**SEL** Cast (SBSCRPN\_KEY **AS** INT) SBSCRPN\_KEY

,Cast(SIM\_ON\_CNIC **AS** INT) **AS** SIMS\_ON\_CNIC

**FROM** RETAILER\_SEASON\_CNIC **AS** A

**LEFT** **JOIN**

(

**SEL** PURCHASER\_CNIC,Count(**DISTINCT** SBSCRPN\_KEY) SIM\_ON\_CNIC

**FROM** DP\_BVS.BIOMETRIC\_ACT

**WHERE** BV\_DATE BETWEEN Cast('2021-04-30' **AS** DATE) - 180 **AND** Cast('2021-04-30' **AS** DATE)

**GROUP** **BY** 1

) **AS** B

**ON** A.PURCHASER\_CNIC = B.PURCHASER\_CNIC)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** PREVIOUS\_QOS\_1 **AS** (

**SEL** CUST\_SBSCRPN\_KEY **AS** SBSCRPN\_KEY, FRANCH\_CD, REAL\_DT

**FROM** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_TSACTN\_FCT **AS** A

**LEFT** **JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SLS\_CHNL\_HIERY B

**ON** A.SLS\_CHNL\_KEY = B.SLS\_CHNL\_KEY

**WHERE** A.REAL\_DT BETWEEN Cast('2021-04-30' **AS** DATE) - 180 **AND** Cast('2021-04-30' **AS** DATE) - 150

**QUALIFY** (Row\_Number () Over (**PARTITION** **BY** CUST\_SBSCRPN\_KEY **ORDER** **BY** CUST\_SBSCRPN\_KEY)) = 1

)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(CUST\_SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** PREVIOUS\_QOS\_2 **AS** (

**SELECT** A.\*, DT\_VAL - DT\_OF\_LAST\_ACTVY **AS** DOR\_DAYS

,**CASE** **WHEN** DOR\_DAYS >=90 **THEN** 1 **ELSE** 0 **END** **AS** CHURN\_FLAG

**FROM** PREVIOUS\_QOS\_1 A *-- INSERT YOUR REGION TABLE HERE*

**JOIN** JTR\_PPD\_03\_SHRD\_STD\_0\_V.SBSCRPN\_LIFCYCL\_DAILY\_FCT B

**ON** A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**WHERE** B.DT\_VAL = A.REAL\_DT+98)**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SBSCRPN\_KEY)**ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** PREVIOUS\_QOS\_3 **AS** (

**SEL** **DISTINCT** SALE\_ID

, Sum(CHURN\_FLAG) Over (**PARTITION** **BY** SALE\_ID ) **AS** CHURNERS

,Count(SBSCRPN\_KEY) Over (**PARTITION** **BY** SALE\_ID) **AS** TOTAL\_RETAILER\_SALES

, Cast (CHURNERS **AS** FLOAT)/TOTAL\_RETAILER\_SALES **AS** RETAILER\_QOS

**FROM** PREVIOUS\_QOS\_2)

**WITH** **DATA** **UNIQUE** **PRIMARY** **INDEX**(SALE\_ID)**ON** **COMMIT** **PRESERVE** **ROWS;**

**CREATE** **VOLATILE** **TABLE** TMP\_ADS **AS** (

**SEL** A.SBSCRPN\_KEY

,A.REAL\_DT **AS** REFERENCE\_DATE

,A.SEASONALITY\_F10\_DAYS

,A.SEASONALITY\_F5\_L10\_DAYS

,A.SEASONALITY\_F10\_L10\_DAYS

,A.IS\_A\_WEEKEND

,B.MONEY\_IN\_MONEY\_OUT

,C.EVC\_AMT

,C.EVC\_CNT

,C.SVC\_AMT

,C.SVC\_CNT

,C.EFFICS\_WEBSITE\_AMT

,C.EFFICS\_WEBSITE\_CNT

,C.M2M\_CNT

,C.M2M\_AMT

,D.CHURNERS\_1STFAV\_BUNDLES

,E.CHURNERS\_2STFAV\_BUNDLES

,TARGET\_RATIO

,RETAILER\_QOS

,SIMS\_ON\_CNIC

,Cast(K.TOTAL\_SALES\_TGT **AS** FLOAT)/A.RETAILER\_SALE\_CNT **AS** TARGET\_SLAB

**FROM** RETAILER\_SEASON\_CNIC A

**LEFT** **JOIN** MIMO B

**ON** A.SBSCRPN\_KEY = B.SBSCRPN\_KEY

**LEFT** **JOIN** RECH\_STREAM C

**ON** A.SBSCRPN\_KEY = C.SBSCRPN\_KEY

**LEFT** **JOIN** BUNDLE\_SUBS\_1 D

**ON** A.SBSCRPN\_KEY=D.SBSCRPN\_KEY

**LEFT** **JOIN** BUNDLE\_SUBS\_2 E

**ON** A.SBSCRPN\_KEY=E.SBSCRPN\_KEY

**LEFT** **JOIN** TARGET\_RATIO F

**ON** A.SALE\_ID = F.FRANCHISE\_ID

**LEFT** **JOIN** PREVIOUS\_QOS\_3 I

**ON** A.SALE\_ID = I.SALE\_ID

**LEFT** **JOIN** CNIC\_SALES J

**ON** A.SBSCRPN\_KEY = J.SBSCRPN\_KEY

**LEFT** **JOIN** FRANCHISE\_TGT K

**ON** A.SALE\_ID =K.FRANCHISE\_ID

)**WITH** **DATA** **PRIMARY** **INDEX**(ACCESS\_METHOD\_ID)**ON** **COMMIT** **PRESERVE** **ROWS**

**;**

*/\**

*CREATE MULTISET VOLATILE TABLE CC\_POLLUTED\_TMP\_MNP*

*AS*

*(*

*SELECT*

*NS.ACCESS\_METHOD\_ID AS ACCESS\_METHOD\_ID*

*,B.Mediated\_Call\_Subscbr\_Num AS CALL\_SUBSCBR\_NUM*

*,B.Mediated\_Call\_Remote\_Num AS CALL\_REMOTE\_NUM*

*,B.CALL\_TYPE\_ID*

*,B.CALL\_SERV\_TYPE\_ID*

*,B.CALL\_SDT*

*,SUM (ZEROIFNULL(B.Unround\_Mediated\_Call\_Duration)) AS CALL\_SEC*

*,COUNT(B.Call\_SDT) AS NO\_OF\_CALLS*

*FROM*

*MNP\_BASE AS NS*

*LEFT JOIN*

*DP\_VEW.MEDIATED\_CALL\_HIST AS B*

*ON*

*NS.ACCESS\_METHOD\_ID = B.ACCS\_METH\_ID*

*WHERE*

*CALL\_START\_DT BETWEEN DATE '2021-04-30' AND DATE '2021-04-30' + 6*

*AND*

*(B.Call\_Special\_Service\_Type\_Cd IS NULL ) --- Removing VAS Calls*

*AND*

*LENGTH(Mediated\_Call\_Subscbr\_Num) >=12 -- Receving Only Valid MSISDN Records*

*AND*

*LENGTH(Mediated\_Call\_Remote\_Num) >=12*

*GROUP BY*

*1, 2, 3, 4, 5 ,6*

*) WITH DATA ON COMMIT PRESERVE ROWS;*

*\*/*

*--DROP TABLE DP\_ADS.MNP\_A\_XY\_FINAL\_ADS;*

*/\*CREATE MULTISET TABLE DP\_ADS.MNP\_A\_XY\_FINAL\_ADS*

*AS*

*(\*/*