# Tables

They will be created two identical temporary tables for data comparisons. One of the tables will be populated with data from the current billing system for the period in comparison. The other table will also be extracted with the data from the CMS for the billing period in comparison. The two tables will be created with the structures as specified below.

1. EDM\_FACT\_SUMMARY

This table will have data from Galatee and Access for the period in billing comparison. Scripts will be used to populate the data from the current system. The proposed structure for the table is below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **I.D** | **Column name** | **Field** | **Column Description** | **NULLABLE** |
| 1 | ACCOUNT\_ID | VARCHAR2(20) | EDM Account No. | N |
| 2 | BILL\_NO | VARCHAR2(6) | EDM bill number | N |
| 3 | BILL\_DATE | DATE | Billing date | N |
| 4 | PERIODE | VARCHAR2 | Billing period | N |
| 5 | FIXED\_CHARGE | NUMBER | Amount of fixed charges | Y |
| 6 | RADIO\_CHARGE | NUMBER | Amount charged for Radio License | Y |
| 7 | GARBAGE\_CHARGE | NUMBER | Amount charged for garbage | Y |
| 8 | LOSES\_CHARGE | NUMBER | Amount transformer Losses | Y |
| 9 | POWER\_AMT | NUMBER | Amount for Power charge | Y |
| 10 | READ\_TYPE | VARCHAR2(8) | Reading type (Estimated , Actual) | Y |
| 11 | USAGE\_CONSTANT | FLOAT | Usage Constant | Y |
| 12 | CURR\_ACTIVE | NUMBER | Current Active Reading | Y |
| 13 | PREV\_ACTIVE | NUMBER | Previous Active Reading | Y |
| 14 | CONS\_ACTIVE | NUMBER | Active Usage | Y |
| 15 | ACTIVE\_AMT | NUMBER | Active Amount | Y |
| 16 | CURR\_REACTIVE | NUMBER | Current Reactive reading | Y |
| 17 | PREV\_REACTIVE | NUMBER | Previous Reactive reading | Y |
| 18 | CONS\_REACTIVE | NUMBER | Reactive Usage | Y |
| 19 | REACTIVE\_AMT | NUMBER | Reactive Amount | Y |
| 20 | CURR\_DEMAND | NUMBER | Current Demand Reading | Y |
| 21 | CONS\_DEMAND | NUMBER | Demand Usage | Y |
| 22 | DEMAND\_AMT | NUMBER | Amount for Power charge | Y |
| 23 | TRANS\_LOAD | NUMBER | Associated losses for Transformer | Y |
| 24 | METERING\_SIDE | NUMBER | Metering side of Transformer (‘1’ before, ‘0’ after) | Y |
| 25 | BILL\_AMOUNT | NUMBER | Total Bill Amount | Y |
| 26 | BILL\_TAX | NUMBER | Total Billed Taxes | Y |
| 27 | CUST\_NAME | VARCHAR2(180) | Customer name | Y |
| 28 | POTENCIA | FLOAT | Power factor | Y |

1. CMS\_FACT\_SUMMARY

This table will be populated with the data from the CMS billing for the period in comparison. Data will be extracted using scripts and loaded into the table with the structure below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **I.D** | **Column name** | **Field** | **Column Description** | **NULLABLE** |
| 1 | ACCOUNT\_NO | VARCHAR2(20) | EDM Account No. | N |
| 2 | NIS\_RAD | NUMBER(9) | CMS service No. | N |
| 3 | SEC\_NIS | NUMBER(2) | Contract sequence |  |
| 4 | F\_FACT | DATE | Billing date | N |
| 5 | CUST\_NAME | VARCHAR2(120) | Combination of customer names | N |
| 6 | SUBSCRPTN\_LOAD | NUMBER(9) | Contracted Power/Load | N |
| 7 | SEC\_REC | NUMBER(3) | Bill Sequence | N |
| 8 | READING\_TYPE | VARCHAR2(5) | Reading type (Estimated , Actual) | N |
| 9 | PREV\_ACTIVE\_RD | NUMBER(8) | Previous Active Reading | N |
| 10 | PREV\_DEMAND\_RD | NUMBER(8) | Previous Demand Reading | Y |
| 11 | PREV\_REACTIVE\_RD | NUMBER(8) | Previous Reactive reading | Y |
| 12 | CURR\_ACTIVE\_RD | NUMBER(8) | Current Active Reading | Y |
| 13 | CURR\_DEMAND\_RD | NUMBER(8) | Current Demand Reading | Y |
| 14 | CURR\_REACTIVE\_RD | NUMBER(8) | Current Reactive reading | Y |
| 15 | TARRIF\_ID | VARCHAR2(3) | Tariff | N |
| 16 | NOMINAL\_LOAD | NUMBER(9) | Associated losses for Transformer | Y |
| 17 | METERING\_SIDE | NUMBER(1) | Metering side of Transformer (‘1’ before, ‘0’ after) | Y |
| 18 | NUMBER\_OF\_TRNSFRMRS | NUMBER(2) | Number of Transformer | Y |
| 19 | CTE\_ACTIVE | NUMBER(15,5) | Usage Constant | N |
| 20 | CSMO\_ACTIVE | NUMBER(9) | Active Usage | N |
| 21 | AMT\_ACTIVE | NUMBER(15,3) | Active Amount | N |
| 22 | CTE\_REACTIVE | NUMBER(15,5) | Reactive Usage Constant | N |
| 23 | CSMO\_REACTIVE | NUMBER(9) | Reactive Usage | Y |
| 24 | AMT\_REACTIVE | NUMBER(15,3) | Reactive Amount | Y |
| 25 | COSPHI | NUMBER(3,2) | Power factor | N |
| 26 | CTE\_DEMAND | NUMBER(15,5) | Demand Usage Constant | N |
| 27 | CSMO\_DEMAND | NUMBER(9) | Demand Usage | Y |
| 28 | AMT\_DEMAND | NUMBER(15,3) | Amount for Power charge | Y |
| 29 | AMT\_FIXED\_CHARGE | NUMBER(15,3) | Amount of fixed charges | N |
| 30 | AMT\_LIXO | NUMBER(15,3) | Amount charged for garbage | N |
| 31 | AMT\_RADIOFUSION | NUMBER(15,3) | Amount charged for Radio License | N |
| 32 | AMT\_TRANSFORMER\_LOSSES | NUMBER(15,3) | Amount transformer Losses | Y |
| 33 | AMT\_WO\_TAX | NUMBER(15,3) | Bill amount without Tax | N |
| 34 | AMT\_VAT | NUMBER(15,3) | IVA | N |
| 35 | TAX\_DISCOUNT | NUMBER(15,3) | Tax Discount | Y |
| 36 | STAFF\_DISCOUNT | NUMBER(15,3) | Staff Discount | Y |
| 37 | AMT\_TOT | NUMBER(15,3) | Total Bill Amount | N |