**Automation Tool**

**Title :**

**To calculate 'TOTAL Load in Erlang', 'Transit load in Erlang' & 'Tech2 load in Erlang' from Network Load Data Report**

1) Raw Network Load data id downloaded from Portal. Saved in local drive.

2) Calculate the No. of UNIT\_NAME available in data

3) Calculate the No. of hours available in data

4) 'TOTAL Load in Erlang' to be calculated for every Date\_Time and Every UNIT\_NAME (count of Date\_Time and UNIT\_NAME may vary with every raw data file)

**'TOTAL Load in Erlang' Calculation:**

5) For each UNIT\_NAME, 'TOTAL Load in Erlang' to be calculated from column sum of 'LOAD\_TRAFFX100' with 'LOAD\_ID'=2, 5 & 7 only

6) 'LOAD\_TRAFFX100' with 'LOAD\_ID'=2, 5 & 7 to be summed for every hours. Max value among all hour's summed values to be considered as 'TOTAL Load in Erlang' for that UNIT\_NAME

7) Display UNIT\_NAME, Date\_Time (hour for which max sum of 'LOAD\_TRAFFX100' for "LOAD\_ID'=2, 5 & 7" obtained) and value of 'TOTAL Load in Erlang'=Max[('LOAD\_ID'=2, 5 & 7),sum(LOAD\_TRAFFX100)] for that hour

**'Transit load in Erlang' Calculation:**

8) For each UNIT\_NAME, 'Transit load in Erlang' to be calculated from column 'LOAD\_TRAFFX100' with 'LOAD\_ID'=2 only

9) 'LOAD\_TRAFFX100' with 'LOAD\_ID'=2 to be taken for all hours. Max value among all hour's values to be considered as 'Transit load in Erlang' for that UNIT\_NAME

10) Display UNIT\_NAME, Date\_Time (hour for which max sum of 'LOAD\_TRAFFX100' for "LOAD\_ID'=2" obtained) and value of 'Transit load in Erlang'=Max[('LOAD\_ID'=2),sum(LOAD\_TRAFFX100)] for that hour

**'Tech2 load in Erlang' Calculation:**

8) For each UNIT\_NAME, 'Tech2 load in Erlang' to be calculated from column sum of 'LOAD\_TRAFFX100' with 'LOAD\_ID'=32 & 33 only

9) 'LOAD\_TRAFFX100' with 'LOAD\_ID'=32 & 33 to be summed for every hours. Max value among all hour's summed values to be considered as 'Tech2 load in Erlang' for that UNIT\_NAME

10) Display UNIT\_NAME, Date\_Time (hour for which max sum of 'LOAD\_TRAFFX100' for "LOAD\_ID'=32 & 33" obtained) and value of 'Tech2 load in Erlang'=Max[('LOAD\_ID'=32 & 33),sum(LOAD\_TRAFFX100)]