

C. Flow Chart

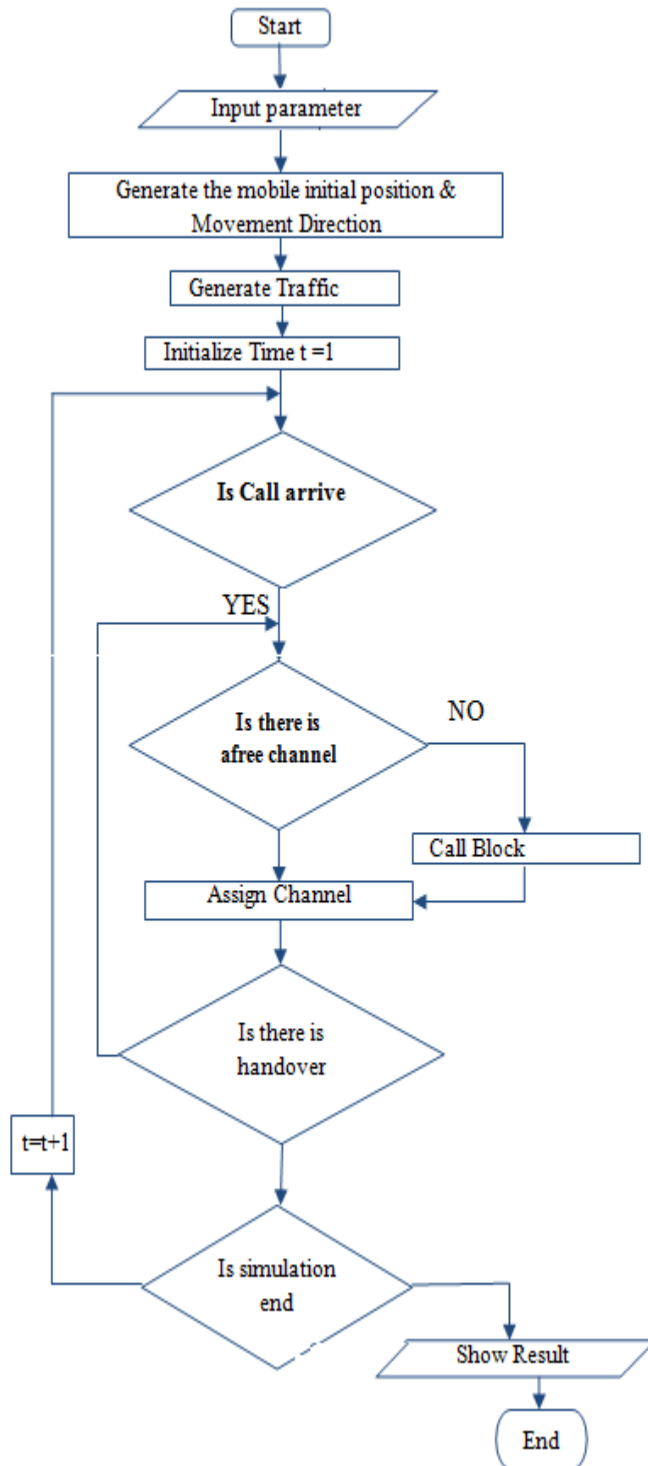


Figure 4: Flowchart represents simulation scenario

5. Simulation Result

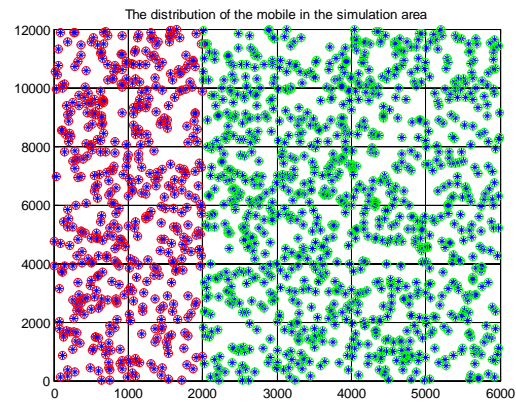


Figure 5: The distribution of the mobile in the simulation area

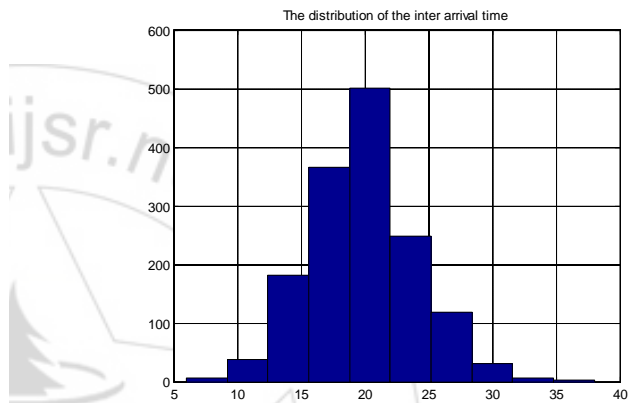


Figure 6: The distribution of the inter arrival time

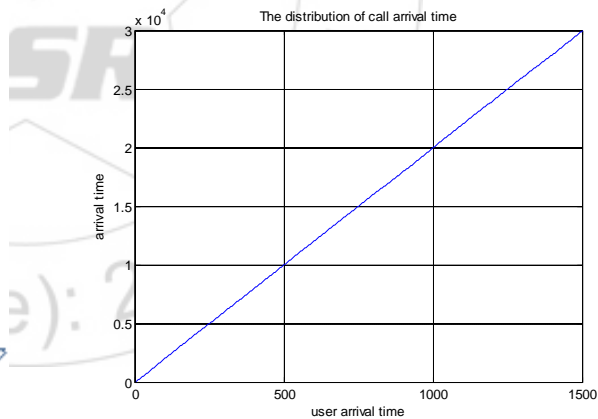


Figure 7: The distribution of call arrival Time

Table 2: Simulation result for Relation between Inter arrival and (handover failure, handover Successes, handover number block)

Inter arrival	FH	SH	NB
10	11	2	0
20	5	1	0
30	5	1	0
40	0	0	0
50	0	0	0

Table 3: Simulation result for Relation between User number and (handover failure, handover Successes, handover number block)

User No	FH	SH	NB
200	3	2	0
600	6	2	0
800	8	2	0
1200	9	2	0
1400	9	3	0

Table 4: Simulation result for Relation between Total Channel in Wimax and (handover failure, handover Successes, handover number block)

TC.W	FH	SH	NB
4	3	1	0
6	4	1	0
8	1	1	2
10	0	0	0
20	0	0	0
40	0	0	0

Table 5: Simulation result for Relation between Total Channel in LTE and (handover failure, handover Successes, handover number block)

TC.L	FH	SH	NB
30	1	1	2
40	7	2	0
50	0	0	0
60	0	2	0
70	0	0	0
80	4	1	0

6. Conclusion

In this paper the authors present the vertical handover in LTE using MATLAB modeler is done, we will give two Scenarios, the first scenario initialize the handover according to the signals strength and the second scenario initialize the handover according to the costs optimization, and Show the Simulation result between (Inter arrival, User number, Total Channel in Wimax, Total Channel in LTE And handover failure, handover Successes, handover number block).

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