

ABSTRACT

The fundamental network of Cellular 900 mobile system needs be reconfigured to a star network. To make this project successful, the concept and related information of the network before and after change are gathered. The background of analog mobile networks is considered because the network in this project is one type of analog mobile network, NMT900. The general principle of two different connections of network elements to be large mobile network in mesh and star is studied respectively. The step to evaluate the traffic performance starts with studying various traffic measurements to find the best one. And then the meaning of three important gains to measure the network usage: traffic intensity, numbers of call attempts and numbers of call completed will be concerned in selecting traffic measurement method.

The process of system evaluation begins after the overall information is enough. To prove that this change is worthwhile or not, the presentation of the results in any conditions is to easily compare the effects of reconfiguration network is the first step. The next step is to describe why the result of the new network changes and to compare its performance in terms of analysis. The overall advantages and disadvantages from analysis will be compared to decide which one is better. And also all objectives should be met their goals, to absolutely complete the project.