

ABSTRACT

Radio Network Site Survey is a process to find the suitable location for Radio Base Stations. Radio Base Station is one part of cellular network, which will interface between user and network. Without a suitable location for Radio Base Station, the quality of network can not be improved. With high competition in Thai cellular market, bad quality of network will impact the sales net. When the competition of subscriber's sale is increased, a competition between building better network is also increased. Not only the existing competitor will need the best location, the new entrants will also need the best location for their network.

The implementation in each phase is about 9 months. Radio Network Site Survey has been finished within the first three months. Otherwise, implementation can't be finished on time. Nowadays, the process of Radio Network Site Survey has not been improved for a long time. The current process can support only 120 sites per phase. Double team is one solution for double capacity. But with the increasing number of new sites, improvement of Radio Network Site Survey is the way to increase capacity and reduce cost as well.

The main improvement of the process is to split the Radio Network Site Survey team in to two teams, separated by functionality and duration of work. This improvement will be applied by using the method from work measurement and work analysis.

That is why this project is initiated. The improvement of Radio Network Site Survey should replace the old system and support the large number of new sites.