

EDGES OF IMPROVING THE EFFICIENCY OF WIRELESS COMMUNICATION NETWORKS

Ismailov Ma'murjon Mukhtarovich
associate professor.

Islamov Asadbek

is a graduate student of master degree of M30-23 group.
Tashkent University of Information Technologies named after Muhammad Al-Khorazmi Fergana branch.

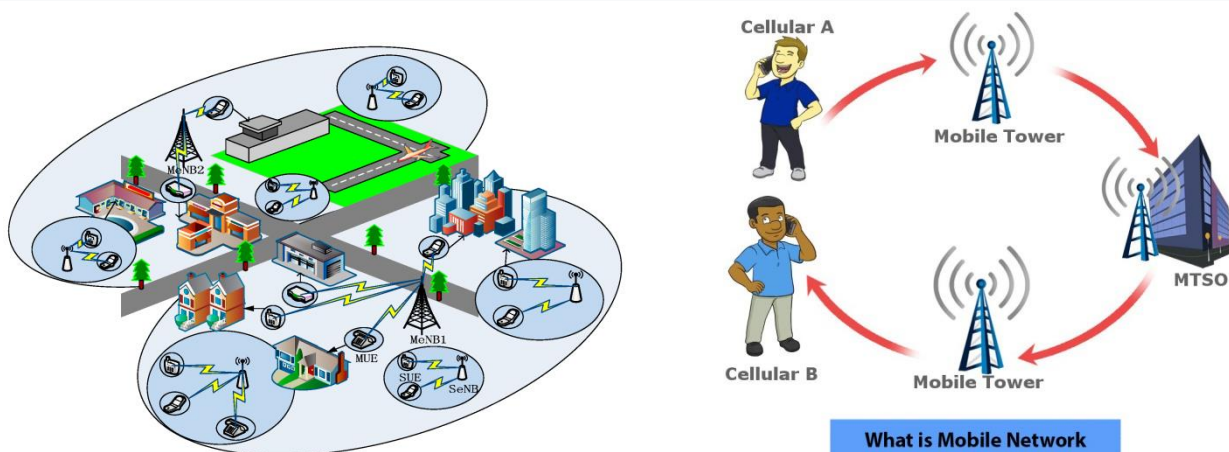
ABSTRACT

At the same time that information technologies are rapidly developing, communication and information exchange are also developing at a great speed. Use communication tools to increase the ease of communication.

These wires connected users with each other through communication centers and thus established communication between cities and countries. Nowadays, modern products of such wires are used. An example of these is fiber optic cables. It has several advantages. But even such fiber connections cannot meet the requirements of the time. Because this wire connection has several disadvantages related to it. Examples of these include pulling these wires to some communication centers, inconveniences in the placement of wires, etc. In addition, raw materials are used for making wires.

Figure 1. View of wireless networks

There are financial inconveniences such as In order to avoid such inconveniences and financial losses, new modern wireless communications have been developed. To give an example of this, first of all, mobile communication and wireless



communication system, which is considered one of the most convenient communication methods. Wireless communication includes Wi-Fi, Wi-MAX, Wi-Bro and a number of similar communication technologies.

The history of wireless communication technologies dates back to the end of the 19th century.

It started with the transmission of the first radio signal and the appearance of amplitude modulation radio receivers in the 20s of the 20th century greatly influenced the development of these technologies. to the 1970s and the first wireless radiotelephones that transmit sound through radio waves was created. Initially, they worked on analog networks, in the early 80s. The spectrum is good, which means that the transition to digital standards has begun.

The GSM standard has been developed, which provides distribution, the best signal quality and the best security. In the 90s of the 20th century, the processes of strengthening the state of wireless networks took place, which led to the rapid development of these technologies. Today, wireless technologies are firmly embedded in our daily life, providing high speed together they are introducing new devices and services. In conclusion, it should be noted that as a result of the development of wireless communication technology, expensive wired and satellite communication.

It is possible to achieve economic savings by using less systems. Using such technologies, the user is mobile and stationary in case of communication exchange and other communication in optional geographical environment can effectively use their services and gain both time and economy. Taking this into account, we also study the undiscovered aspects of Wi-Fi, WiMax and Wi-Bro technologies, and take measures to apply them. finding, optimizing its parameters, and designing new network topologies are relevant and important is a matter.

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