

About the lecture

Subject:

An integrated solution for deploying broadband wireless network in Africa

Syllabus:

1. The features of the telecom market in Africa

The distribution of population in Africa is not balanced. Different areas have different population density. The development of economy and infrastructure in Africa is behind other continents. The cost of construction and operation of telecom is sensitive. The basic telecom services are the main requirements for the people in Africa.

2. The advantage of adopting WiMAX system and the problem on spectrum

Mobile, broadband, IP are the highlights of mobile WiMAX system. Many applications are supported by fixed, nomadic, portable, simple mobile, and full mobile services. Mobile WiMAX system is a good choice to implement mobile communication and broadband access to internet.

The biggest problem of WiMAX system is that the radio spectrum used is different in the world. This situation limits the global roaming and increase the cost of the manufacture. Feather more, the spectrum allocated for WiMAX now is often in 3.5G Hz band. It's high and limits the radio performance of WiMAX system.

2.5G Hz band is suggested for Africa.

3. An integrated solution presented by ZTE Corporation

The area in Africa can be divided into four types: urban, suburban, rural and remote. The telecom operation conditions are very different. Here an integrated solution will be presented in the seminar.