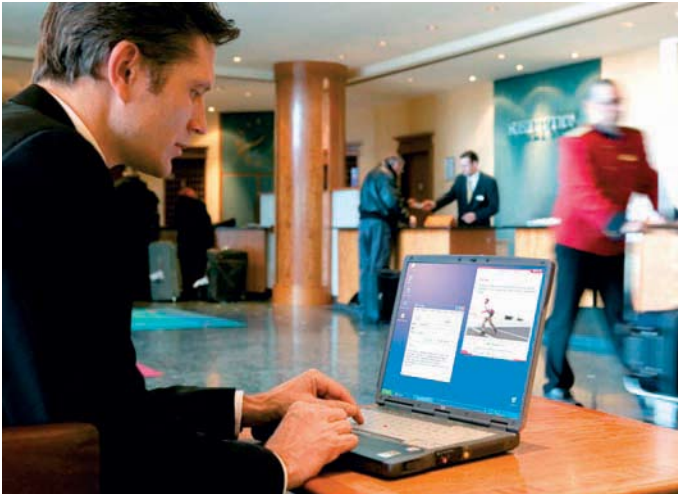


Wireless LAN for mobile operators – Test the availability and services!



Business at every location, direct e-mail and internet is today's life. Due to this, the number of worldwide Wireless LAN (WLAN) access points and users is continuously growing. Many mobile network operators offer this type of convenient internet access to their customers. The existing customer SIM card is the preferred most secure solution for identification and authentication to this service.

However, if customers discover that the service is unreliable or inconvenient to use, they will soon turn away. Today, time to market and a maximum of reliability, usability and quality is increasingly important. With SITE WLAN it's easy to test the availability, the access and the performance of hot spots in a flexible, continuous and accurate way.



Keynote SIGOS offers you a fully automated
Wireless LAN Test System!

Testing Services

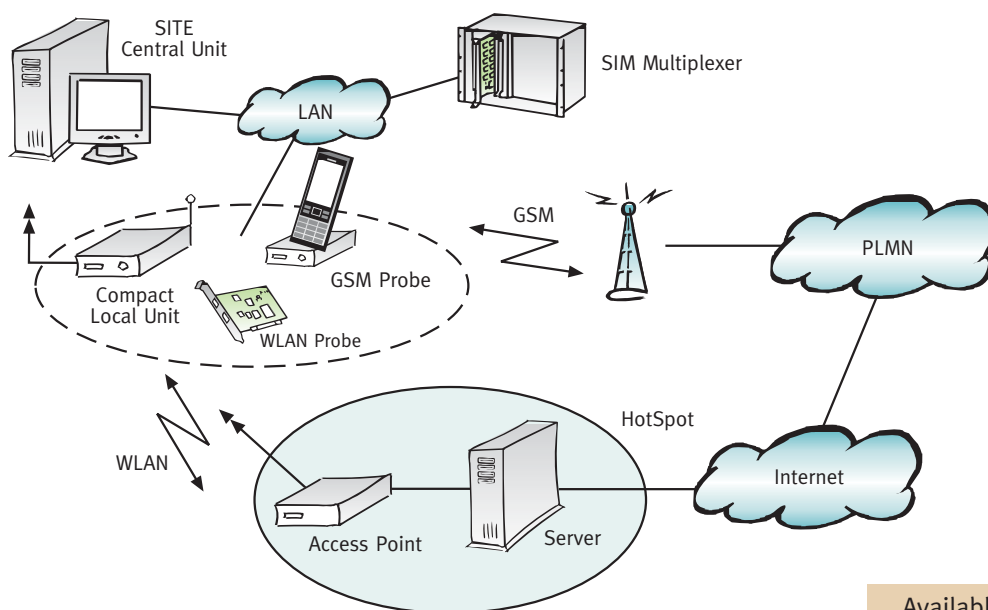
such as:

- ▶ Search for available WLAN networks in the hot spot area
- ▶ Entering SSID of WLAN network
- ▶ Entering WEP network key
- ▶ Receiving IP address via DHCP
- ▶ Receiving DNS servers and default IP gateway from the backbone IP network
- ▶ Payment/Billing procedures

DHCP: Dynamic host configuration protocol
 DNS: Domain name system
 SSID: Service Set Id
 (Identifies the WLAN network to attach)
 WEP: Wired Equivalent Privacy
 (Encryption/Security mechanism for WLAN)

SITE Test System Architecture for WLAN

with CU, CLU, GSM-Probe, SIM Multiplexer and the components of public networks like hot spot with Internet access and public terrestrial mobile network with backbone.



Available WLAN KPIs:

- ▶ Number of packets send
- ▶ Number of packets received
- ▶ round trip delay

Examples

Features

- ▶ Simulation of real subscriber behaviour
- ▶ Central SIM Multiplexer: infinite number of SIM cards can be managed
- ▶ Interfaces: WLAN
- ▶ WLAN 802.11
- ▶ SSID – Network search
- ▶ WLAN authentication
- ▶ Payment/Billing
- ▶ Detailed test reports