

# Wireless LAN for mobile operators — Test the availability and services!



The number of worldwide Wireless LAN (WLAN) hot spots supported by the mobile network operators will grow enormously in the next few years.

The existing customer SIM card will be the preferred (and secure) identification and authentication.

SITE WLAN is testing the availability of Wireless LAN hot spots and the access.



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

#### **Features**

- Simulation of real subscriber behaviour
- Central SIM Multiplexer: infinite number of SIM cards can be managed
- ▶ Interfaces: GSM/UPRS U<sub>m</sub>, ISDN S<sub>o</sub>, WLAN
- WLAN 802.11

- SSID Network search
- ▶ WLAN authentication
- Payment/Billing
- Detailed test reports





## **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

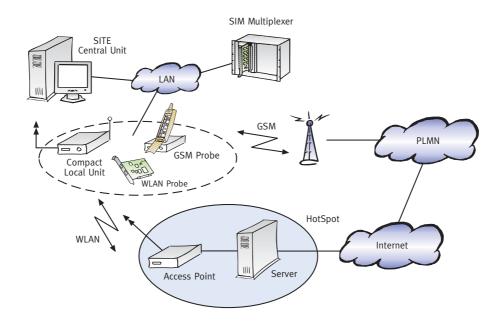
(Identifies the WLAN network to attach)

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.



#### Your benefits

- Automated testing: avoid time and money consuming manual tests
- Increase reliability of the GSM and UMTS networks → ARPU
- Increase customer satisfaction
- SQM: monitoring and measuring of service availability and quality → Ensuring SLAs with precise KPIs
- ▶ Scalable architecture: from stand alone to widely distributed systems
- Central SIM Multiplexing → No "SIM card traveling"
- Quick detection of problems due to parallel testing at any time

