

Handset oriented testing

So many features for each new device!

BlackBerry

Your network's sweetest fruit

BlackBerry is today's leading wireless connectivity solution for a large number of mobile business professionals found in enterprise and governmental organizations world-wide.

It allows users to stay connected with secured wireless access to e-mail, corporate data, calendar and web, to easily manage all their communication and information from a single BlackBerry device whenever and wherever required. BlackBerry eliminates the hassles of dialup by moving mobile data to a "push" architecture.

Especially for mobile professionals, it is vital that the network operator provides the highest levels of quality and reliability.



Sample Features

- Real End-to-End testing of BlackBerry 'push' service
- Testing carried out using a commercial BlackBerry device
- Check sending and receiving e-mails
- Check the BlackBerry device integrated email features
- Using BlackBerry devices with a java application for reflector code – for sending emails
- Management notification and reporting

Sample KPIs

- Send time
- Receive time
- Round trip time
- Battery level of the device
- Battery temperature of the device

iPhone

Up with the hype on iPhone tests

For many users, the iPhone and the 3G iPhone represents a new era of mobile phone interaction and services.

The unique combination of multimedia content, intuitive multi-touch display controls, accelerometer and much more created strong demand for new operator services dedicated only for a unique group of users.

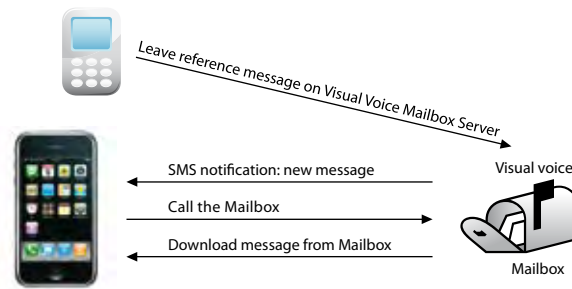
Operators around the world specify this group of iPhone users as high-tech – high potential customers with distinctive technology and quality demands. The unique services offered for this iPhone customer base like the Visual Voice Mailbox create additional quality process demands at each network operator.



- BlackBerry
- iPhone
- Handset Simulation



Keynote SIGOS Test Systems offer dedicated iPhone tests to fit simply into all QoS test procedures performed via SITE or GlobalRoamer without any additional effort. At the same time, measurements and KPIs provide clear evidence of the service availability and performance focussed on this group of high-tech – high potential customers.



Sample KPIs

- Duration
- Failure Rates

Handset Simulation

Do handsets work perfectly in your mobile network?

The opportunity for mobile operators to sell exciting new mobile content and handsets is enormous, but the variety of available services like MMS, Video Streaming and Web Browsing may cause problems when using different handsets.

How can these new devices and services be properly tested in a cost-effective way that ultimately leads to increased revenue and customer satisfaction?

We can help you with a powerful tool to test all your services, simulating the large variety of handsets in your network. No labor intensive and high-cost manual testing!

SITE tests specific handset characteristics against network services and device specific monitoring of pages with fixed content/ URLs. The following important content questions are validated:

Color Support: Check if device is capable of displaying colored images

Image Size: Comparison of all downloaded images with maximum height and width of the device

Content Support: Check (based on HTTP/WTP accept header) if device can decode downloaded content

Data Format: Check if the downloaded content is valid



- BlackBerry
- iPhone
- Handset Simulation

Sample Features

- Intuitive Recording of browsing actions
 - No drag 'n' drop anymore
- Support of HTML forms
- Easy creation and adaptation of browsing sessions
- Received page content at a glance
- KPIs for each browsing action
- User defined measurements / KPIs can be added with 'Test Case Editor'
- Whole session can be 'Replayed' during development to evaluate the test case