QVoice World
8th Issue / Autumn 2005

Content Features

Our users are what it´s all about! The 2005 QVoice Conference in Domaine de Divonne, France.

From the Desk of Beat Gerber

Dear Customer,
Dear QVoice User,
Dear Colleagues,

At Ascom, we combine cutting-edge R&D with user input to lead the wireless market in mission critical communications. Our unrivalled know-how in global communications has made us the leader in wireless and security communications.

The QVoice product line of mobile testing systems continues this tradition by pushing the cutting edge to new horizons. At the 2005 QVoice User Conference, we proudly unveiled our new QVModulus, a measure-ment platform of unparalled power, flexiblity, and scalability. Years in development, QVModulus takes innovation in mobile testing to the next step.

Not to be outdone, our software division released QVP 4.5, for our QVM, QVS and QVP products as well as the new QVModulus platform. Featuring a wide range of powerful new features, Release 4.5 gives you more detailed and organized feedback about all the latest cellular network testing parameters.

After more than 13 years of mobile quality testing leading to 17 mobile QoS patents, the QVoice family of products has become a worldwide presence in mobile testing. By continuing our commitment to research and development, and listening to and supporting our customers, we aim to lead the world in mobile testing by always providing you with state-of-the-art products, quality and service.

Sincerely
Beat Gerber, Head of Ascom AG, Carrier Products

QVoice 2005 User Group Conference
Le Grand Hôtel, Domaine de Divonne, France

Over a dozen speakers presented topics at QVoice 2005.

At the 2005 QVoice User Group Conference in Domaine de Divonne, France, users got the first look at the latest addition to the QVoice product line, the QVoice Modulus. Ascom speakers clued us in to the latest QVoice product features, and gave us a glimpse of where these products are headed in the future.

We also heard excellent speakers from Vodafone Egypt, Net Check Germany, Orange Israel, Mobilkom Austria, APIS Sweden and Syriatel Syria. Their presentations included such real-world subjects as Performance Measurement Techniques, Experiences in Measurement Campaigns, Network Quality Services Testing, Using Advanced Scanning Receivers, Optimizing IRAT, IMS and its Quality of Service Impacts and Radio Doctor.

A slide show of the conference and related events can be found at:
http://www.qvoice.com/7-club/prot/713-ugc05/cclu_7130.html.

Thanks to everyone for making the 2005 QVoice User Group Confernce such a success!

Blockbuster Debut for QVoice Modulus at QVoice 2005
QVoice Modulus Offers Flexibility, Processing Power and Virtually Unlimited User Choice

QVoice users take a look at the new QVoice Modulus at QVoice 2005.

The 10th annual QVoice 2005 User Group Conference marked the date on which users finally began taking full control of their mobile network measurement and optimis-ation systems. At QVoice, user choice has always been far more than just a marketing slogan. With QVoice Modulus, users now have full control over how their measure-ment systems are constructed and used.

The September conference, at Le Grand Hôtel, Domaine de Divonne, France, saw the long-awaited launch of the Ascom QVModulus measurement platform – a completely new system that takes full account of the growing divergence and variety of both radio technologies and service offerings.

Based on the principle of modular construction, QVModulus combines unprecedented architectural flexibility and processing power with the freedom for users to expand and configure a whole new range of measurements according to their own specific requirements. Key features include ease of configuration and reassembly, upgradeability, auto-detection of attached hardware, and remote accessibility. Like many great ideas, the concept sounds simple and obvious, but no other company on

the market can even begin to offer anything similar. The new platform further extends the long-established market-leading position of QVoice, one of Ascom's most successful products ever.

Responding to change

QVModulus is the answer to both the speed and variety of change in today's and tomorrow's cellular industry. While some geographical areas are seeing WCDMA networks come on line, video services on offer and TV over mobile networks being tested, there are others where voice traffic is still the main revenue earner and mobile data is only beginning to have an impact. In general terms, mobile data is targeting ever-higher transmission rates, while voice over IP is seen by many as the next step for speech traffic. This rapidly-changing and increasingly diverse market setting means that engineering test equipment needs vary greatly from operator to operator and are themselves subject to frequent change. The key to success, therefore, is a network testing and optimisation system that allows users to react to change at a moment's notice.

Unrivalled flexibility

QVoice Modular offers unprecedented flexibility and user choice thanks to a unique design of system components, including a chassis MUM (measurement unit main) with slots for six different channels and a control unit with its own power supply, a fully user-configurable measurement processor and a system of device-independent measurement interfaces. This gives users the freedom to configure their systems exactly the way they want them, fine-tuning cost and performance in terms of both hardware selection and process configuration.

And there's good news too for users of previous QVoice models – they can upgrade directly to QVModulus without the need to change other system components.

QVoice Release R4.5 – New Features Just Keep on Coming

After the "blockbuster" debut of QVModulus at last month's annual User Conference, one would easily believe that all of Ascom's R&D resources were being directed towards creating the world's new and best-ever measurement platform. But it's not just QVModulus they have been working on!

The QVoice software development team has also been working hard and are proud of the many benefits users will reap in release R4.5. Practically covering the whole QVoice family, several ideas for improving operator functionality were incorporated from user change requests. Key new features include improvement of noise measurements according to G. 160, mixed operation of IP-based applications, extension of the Ec/Io RSCP viewer with HO events, wireless file transfer of GPRS/WCDMA and the inclusion of CDMA2000-1x speech and IP-data.

One very interesting high-performance feature in R4.5 is the newly enhanced QVP Expert Tool for speech and video telephony calls. This feature provides intelligent call failure analysis in 3G, 2G and mixed calls as well as mobile-to-mobile calls and video telephony. The SQL script evaluates an individual failure cause for RF conditions at the time of termination, radio resource control signalling message flow, and NAS message flow. Additional information on neighbouring cells and layer 3 cause values are included in a detailed Excel evaluation report.

R4.5 also brings a wider scope to IP-data testing with QoS on WAP (1.1 and 2.0), an application that reports KPIs and gives 'cause-value' details on different protocol layers in the case of failed attempts.

In R4.5 you will also discover a collection of refinements starting with testing of send/receive quality of Video MMS and MMS over WAP 2.0. Further video assessment capabilities cover streaming access over mobile portals and multi-channel applications. R4.5 also includes audio-MOS for streaming, extended KPI of VT-Service test, including speech MOS, and the full integration of the Nokia 6680 test-mobile.

Hardware and Software: QVoice development is always striving to bring users what they need.

Upcoming Events

Supporting the Industry

Conference Presentations and Exhibition Participation

Strategically Deploying EDGE
October 2005
Hilton Diagonal Mar, Barcelona, Spain

EDGE is becoming an increasingly popular technology choice, for both 3G and non-3G operators. In countries where demand does not justify WCDMA rollout, EDGE is being used to supply high-speed data services at very low cost. However, other operators are using EDGE to complement WCDMA, either to support data services in areas not covered by WCDMA, or as a step on the path to WCDMA deployment.

Ascom Carrier Products' Christian Nänni, GSM & UMTS product management QVoice participated with a captivating speech entitled "Monitoring And Managing EDGE Network And Service Performance To Enhance Customer Experience And Satisfaction"

GSM India 2006
17th-18th January 2006
Renaissance Hotel and Convention Centre, Mumbai, India

GSM remains very much the dominant technology in India's mobile communi-cations market with a total of 47 million subscribers (2004). Maintaining user satisfaction, however, is not about network technology, but about network QoS performance assessment, optimization and maintenance -- as the real lesson learned in Western Europe and elsewhere.

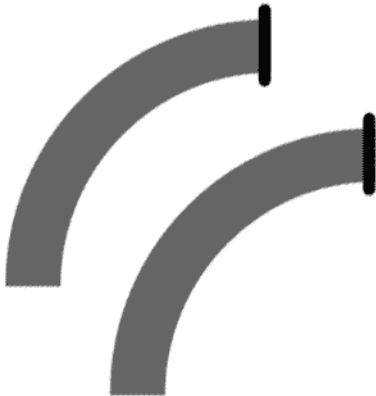We will be present at stand number B13.

Teaser Corner

Question 1

My age is half of a perfect square.
My age is 2 times a perfect square.
My age is one-eighth of a perfect square.
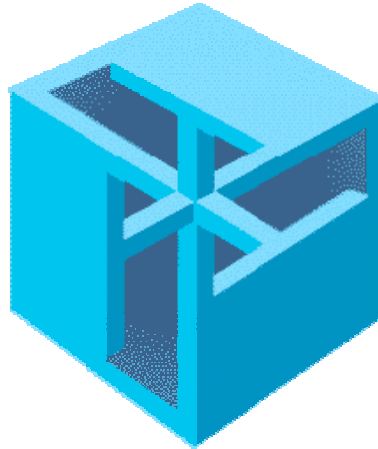Reverse the digits of my age to get a perfect square.

How old am I?

Question 2

Which tube is longer?

Question 3

Do you think you could build this?

Can you think of something for the bottom half?

QVoice – The "Voice of Quality in Multimedia Services"

A single system and shared database for end-to-end QoS & Network Optimization

If you would like to know more about anything you have read in this 'QVoice World' please contact us:

Ascom AG, Carrier Products
Glutz-Blotzheim-Strasse 3
CH-4503 Solothurn/Switzerland
Tel. +41 32 624 2121
Fax +41 32 624 2143
carrierproducts@ascom.ch
www.qvoice.com