

JSC Ingenium Allows CELL C to Offer SIP-Based Services via SS7 to Its More Than Eight Million Subscribers without Additional Infrastructure Investment

Built on Dialogic® Distributed Signaling Interface Components

Build on Dialogic

CELL C, the third largest mobile operator in South Africa, is eager to deliver unique, innovative IP-based value-added services (VAS) to its more than eight million subscribers. Since CELL C also wants to deliver these services via a conventional SS7 network without making an additional heavy infrastructure investment, the company needed a full-featured and highly reliable gateway solution.



JSC Ingenium Enables Delivery of High-Value SIP Services on SS7

With its CAMEL IWF (InterWorking Function) Gateway, JSC Ingenium is allowing CELL C to integrate exciting next-generation SIP-based value-added mobile services into its conventional SS7 network. The CAMEL IWF Gateway translates call signaling and short messages generated in the SS7 network to SIP, which is the protocol supported by the service provider for the new services. With the CAMEL IWF Gateway, CELL C can generate additional revenue by bringing totally new services to its subscribers ahead of its rivals without an expensive build-out of its conventional network. The SIP-based services and the conventional SS7 network are now interoperating seamlessly.

Some of the beneficial features of the CAMEL IWF Gateway include:

- Call control and routing via SIP on a conventional network along with number translation
- Ability to track user traffic in real time via a web browser
- Custom call and text message forwarding

Advanced features of the CAMEL IWF Gateway include:

- Bidirectional conversion between CAMEL and SIP
- Cooperative and transparent call management
- Generation of CDRs and traces

JSC Ingenium Chooses Dialogic® Distributed Signaling Interface Components for Its CAMEL IWF Gateway

JSC Ingenium uses Dialogic® Distributed Signaling Interface (DSI) Components for signaling, switching, and transcoding in its CAMEL IWF Gateway and other solutions because DSI Components help to make these solutions easy to deploy, interoperable with TDM or IP, and very scalable. Along with supporting a wide range of SS7 features, DSI Components allow easy portability — an application developed on TDM boards can also be used on SS7 over IP (SIGTRAN). In addition, DSI components have a monitoring capability for both TDM and SS7 over IP, an important feature for enhanced security and for launching attractive new services that may grow in popularity quickly.



About CELL C

Founded in 2011, CELL C is the third largest mobile network operator in South Africa, providing service to approximately 8.2 million subscribers in 2012 for a market share of 15%. CELL C focuses on providing its subscribers with the latest services and connects with its customers through social networks such as Facebook, Twitter, and MXit.

For more information, visit www.cellc.co.za/mytools.

About JSC Ingenium

JSC is the division of Ingenium Group Telecom that specializes in the development and implementation of elements for mobile networks. JSC Ingenium provides all the “core” elements required for Mobile Network Operators (MNO and MVNO), and also, along with its partners, all the elements needed for management and “billing,” thus providing complete solutions. Many of these elements have been developed by JSC Ingenium on a common communications platform.

For more information, visit www.jscingenium.com.

About Dialogic Inc.

Dialogic develops products and technologies that enable reliable, seamless, and efficient communications across countless devices on any network. Dialogic streamlines the delivery of high-demand mobile, VoIP, and traditional services. Dialogic also focuses on any-to-any connectivity and IP-enabling its traditional media products to smooth the move from TDM to an all-IP environment.

For more Information, visit www.dialogic.com.

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Information about CELL C and JSC Ingenium for this case study has been provided by JSC Ingenium.

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