



## DRILLING FOR EXTRA PROFITS FROM GSM RADIO NETWORKS WITH ASTELLIA CIGALE ABIS



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Rennes, December 17<sup>th</sup>, 2009 – Astellia extends its GSM solution with the Abis monitoring for radio optimization and troubleshooting. The Cigale Abis application helps operators check that their 2G network is fine-tuned to carry thousands of calls and SMS messages.

Music festivals, sporting competitions or strategic sites such as airports attract thousands of people who need to use voice and SMS services at any time and from anywhere.

“In 80% of cases, network issues are related to radio access. If they are not identified and solved rapidly, they result in revenue leakage, bad brand image and high customer churn.” says **G rard Erabit, Marketing Director at Astellia.**

“This is where Astellia intervenes with its Cigale Abis application. Based on Astellia probes that capture signaling data, Cigale Abis analyzes subscribers’ real traffic. The Abis

interface is the ideal place to analyze precisely what users really experience in a targeted geographical area.”

Cigale Abis provides engineers with key performance indicators (KPIs) and radio metrics distribution to **optimize radio coverage and fine-tune frequency plans.**

Cigale Abis is of great help in integrating new 2G sites and ensuring smooth network equipment swaps and upgrades. It is a more reliable and cheaper alternative for drive test campaigns with costs reduced by more than 50% in most cases.

Demanding high-value customers such as corporate fleets and VIPs require contracts guaranteed by SLAs. In order to create a competitive edge and avoid penalty payments, operators must be ready to identify, analyze and **troubleshoot complex radio GSM issues** in record time. In case of failed calls, traditional investigation methods based on OMC statistics and drive tests are time-consuming and not sufficient for precise analysis.

Using Cigale Abis, engineers can trace and troubleshoot any individual communication down to radio level and analyze problems linked to handover failures, coverage holes, radio disconnections, interferences, congestion and defective equipment.

### Unique benefits and applications

- Drive tests reduced by more than 50%
- Optimization of your network capacity & performance according to subscriber usage
- Issues investigated down to radio level
- Unequalled processing power for quick access to statistics and call data records and for the monitoring of a large cluster using a single probe
- Capability to correlate Abis and lub data to fine tune 3G to 2G handovers for seamless mobility

### About Astellia

[www.astellia.com](http://www.astellia.com)

Astellia is a leading expert in monitoring and optimization solutions for the Quality of Service (QoS) and performance of mobile networks. The company develops, manufactures and sells its solutions to 150 operators and equipment manufacturers in more than 75 countries.

Headquartered in France, Astellia has offices in Paris, New York, Singapore, Beirut, Rio, Johannesburg and Mumbai.

Astellia solutions integrate its long experience and knowledge of operators’ needs to cover 2G/2.5G/3G/3.5G... technologies from radio access to core network. They help to increase client income through fast access to relevant indicators, with a view to improving Quality of Service and ensuring subscribers’ loyalty.

The company also provides network audit services, training, technical assistance, etc.

### Contact

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