



## Advanced Software Applications from MobileComm

MobileComm builds on its telecom and IT experience to bring out comprehensive software solutions and applications to support internal projects, mobile operators and wireless subscribers. Our varied experiences in RF engineering and IT skills enables us to invest in the development of proprietary solutions, for increasing efficiency and repeatability of engineering activities.

### BoND – Benchmarking of Network Data

Most existing post processing software tools generate outputs in a standard format with lack of flexibility to acknowledge customer specific deliverable requirements. Also these tools are more geared toward analysis of voice calls and possess very limited features for 3G data analysis. If 3G data analysis capabilities exist, then measuring data for multiple networks simultaneously is not possible as per specific requirements.

The wireless market needed an application to simultaneously analyze multi-technology, multiple network data throughput performance so as to investigate competitors within their respective markets and address business issues (i.e. service level agreements or SLAs) related to network performance. Our Benchmarking of Network Data (BoND) tool met customer requirements and positioned MobileComm as an expert for conducting 3G data benchmarking and report generation.

#### BoND

Description: 3G raw data collected via drive testing multiple networks of different technologies can be parsed and filtered to perform analysis on network KPA's. The tool can generate client specific plots and analysis tables, which can provide a quick snapshot of performance of different networks at a particular location for that instance.

#### Development

The BoND tool has been developed using C#, VB.NET & ADO.NET, XML/XSLT & SOAP and SQL Server 2000

MobileComm professionals worked proactively with the customer to achieve quick and effective results, meeting scheduled deadlines without compromising the quality. The BoND tool delivers an insight to 3G network data throughput and performance. While the BoND tool is a major component in this overall software-based solution, it is the combination of RF engineering knowledge, drive testing experience and Information Technology (IT) skills that has made BoND a striking success.



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The Information technology industry is rapidly expanding and merging with telecommunication and wireless industry. We are committed to develop software solutions that will provide our clients a competitive edge. At MobileComm our value proposition is our knowledge and commitment to make every assignment successful

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Software

## Operations and Resource Management Software Suite

Keeping in mind the need for managing operations and personnel management, MobileComm has created proprietary software to manage Projects: its cost, schedule and delivery milestones; Engineers: their selection, recruitment, assignment, their time and expense sheets; Facilitate internal communication and Knowledge Management.

### MobileComm Expense and Timesheet System (METS)



METS was developed for managing employee time and expenses. This tool facilitates and opens a secure, two-way communication channel that allows field personnel to record time and expense information via a web portal.

Managers can assign engineers as per the skill set required for an assignment. Time and expenses are captured for individual projects, which enables the monitoring of cost, reimbursement of expenses, payroll management and project management. This improves the billing efficiency and clarity on accounts payables. Employees can track their approval or disapproval status. This portal also keeps a communication board open keeping them up to date on company information and news. METS has been constantly upgraded and changed to maximize efficiency and helps reduce costs, increase efficiency and streamline operations.

### MobileComm Recruitment and Selection Tool - RST



RST – MobileComm's RST application provides internal recruiters and managers with an automated means of locating qualified candidates with required skill sets, from the database of employees and external candidates. This tool can search candidates with specific skills, experience on particular technologies, equipment, vendors or operators. MobileComm's database comprises of large no of candidates, and their availability and requirements can be stored, tracked and updated. This tool also has a broadcasting feature that can be used to invite groups of candidates to apply for a particular opening, or can be used to circulate a communication message to larger audiences. RST has three main components:

- Advanced search engine
- Broadcast function
- Self building database and storage

Since the RST database is 'self-building', it reduces the time to identify candidates. Thereby improving user's ability to match and manage resources' skill sets to deployment requirements.

### MobileComm Knowledge Management System - KMS



KMS – This module facilitates distribution and access of data and information necessary for engineers and team members working from multiple remote locations. MobileComm has developed numerous methodologies, procedures and work instructions to maintain high quality and repeatability of its deliverables. These instructions and information can be made available to any team member. This web-based suite streamlines communication further by enabling managers to train personnel in multiple locations on specific tasks.

With KMS, managers can select and limit access to specific documents for sharing on a 'need to know' basis. Managers can also choose the broadcast feature to send information to select groups or to communicate with the entire workforce using RST.

Development: MobileComm operation and resource management software suite is eloquent, has an intuitive design, and comprehensive web-based administration tools that run on SQL server and managed by .NET assemblies. It is integrated with Microsoft® Visual Studio.NET2003 and follows MS patterns. The KMS tool is secure and protected from malicious code

For more information regarding MobileComm's Software Solutions, please visit our website  
[www.mcpsinc.com/software](http://www.mcpsinc.com/software)

