



data communications

Press Release

Shanghai Mobile Deploys RAD's Megaplex to Migrate from TDM to IP Backbone

TDMoIP Technology Enables TDM Traffic to be Transported Over Packet Switched Networks

Shanghai, October 19, 2004: Shanghai Mobile has successfully migrated TDM-based billing traffic to its IP backbone by deploying Megaplex™-2100 integrated access multiplexers from RAD Data Communications. The Megaplex-2100 will provide Shanghai Mobile a seamless migration path to IP for all of its TDM-based traffic.

Shanghai Mobile has traditionally used a 2 Mbps leased line as a transmission platform to collect billing data from MSCs (Mobile Switching Centers). The Megaplex-2100 is currently grooming Shanghai Mobile's billing traffic over those leased lines as well as the operator's own IP network. Shanghai Mobile, however, will gradually move all its traditional traffic onto an IP backbone. When that occurs, the Megaplex-2100 will serve not only as a multiplexer, but also as an IP gateway and migration platform.

Substantially Reduces Operators' Overhead

RAD's patented TDM over IP (TDMoIP®) technology, which has been incorporated into the Megaplex's ML-IP main link module, enables TDM traffic to be transported over packet switched networks. A key benefit of TDMoIP technology is that it does not require any software or hardware upgrade to any existing TDM equipment because it transports TDM signaling and protocols transparently. As a result, it helps operators to substantially reduce their operational and maintenance expenses. Because the RAD solution enables migration of billing information from TDM to IP, Shanghai Mobile decided to deploy it immediately.

“We're very proud that the Megaplex-2100 meets both the current and future needs of Shanghai Mobile, providing them a seamless migration path to IP for their billing information and other traffic,” stated Jeremy Zimman, Director of Operations for Greater

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China at RAD Data Communications. “This successful case once again demonstrates RAD’s commitment to developing innovative access solutions geared for the Chinese market,” he added.

The Megaplex-2100 is one of RAD’s most popular products in China. The product has been deployed by Guangdong Mobile, one of RAD’s largest customers in the country, to transport both user traffic and billing information throughout Guangdong province. Other Megaplex customers in China include the Xinhua News Agency, both of Hong Kong’s major power companies, the Shanghai Fire Department Research Institute, the Shanghai subway and various government agencies. In addition to Shanghai Mobile, another mission critical project in Shanghai in which the Megaplex-2100 was selected is the Shanghai Emergency Communications Office, which operates a satellite and microwave based network for police and other government offices to use in the event of a major outage.

RAD’s local partner was Shanghai Posts and Telecommunications Equipment Company (SHPTE), which served as the project’s integrator.

About Shanghai Mobile

Shanghai Mobile is one of the wholly owned subsidiaries of China Mobile (Hong Kong) Group Limited. It mainly operates digital cellular mobile services in Shanghai, IP phone, Internet access and other related information services.

About RAD

Established in 1981, privately owned RAD Data Communications has achieved international recognition as a major manufacturer of high quality access equipment for data communications and telecommunications applications. These solutions serve the data and voice access requirements of service providers, incumbent and new carriers, and enterprise networks, by reducing infrastructure investment costs while boosting competitiveness and profitability. The company's installed base exceeds 8,000,000 units and includes more than 150 carriers and operators around the world. These customers are supported by 18 RAD offices and more than 200 distributors in 105 countries.

RAD is a member of the RAD Group of companies, a world leader in networking and internetworking product solutions.

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