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Ericsson introduces TSP Server Platform to Mobile Internet Architecture

Today, Ericsson introduces the TSP Server Platform, encompassing the Service Networks/Applications and Control layers of the Mobile Internet Network Architecture (MINA), Ericsson's layered architecture.

The TSP is the Ericsson platform for high availability, real-time network servers and controllers. It is based on an open software systems architecture. TSP provides the highest fault tolerance and robustness, required for critical server functions such as user management, user positioning, and session control. Ericsson's first products built on the TSP platform include Home Location register (HLR), Service Control Point (SCP) and Radio Network Server (RNS). Ericsson will build its IP multimedia products such as the Session Initiation Protocol (SIP)server and the Media Gateway controller on the TSP platform.

The platform is built on highly scalable hardware and software components; open CPUs; open operating systems; Ericsson's own middleware; and on top, open Java-based APIs. With the kind of scalable applications common in telecom, this gives excellent scalability from very small systems up to very large clusters. Robust and open interfaces facilitate distributed development and quicker and easier deployment of new applications, whether developed in-house or supplied by third parties.

The next generation Internet will connect billions of devices, and with users depending on this all-IP communication structure for mission critical tasks, telecommunications-grade fault tolerance and reliability is needed.

Combining the best technologies from the telephony world with the computer oriented Internet world has led Ericsson to introduce MINA, the new layered network architecture of services and platforms all based upon open, standardized technologies.

The layered network architecture MINA consists of three principal layers: the connectivity layer, consisting of access and gateways into the multi-service backbone; the control layer; and the service and applications layer. Ericsson first launched the CPP packet platform for the connectivity layer (IP routing and ATM) functions in February this year. In May, Ericsson introduced the multi-service Packet Backbone network, PBN. TSP is the platform for the functions in the network servers and control layer. Together, the TSP and the CPP platforms implement the Server/Media Gateway structure.

Ericsson is the leading communications supplier, combining innovation in mobility and Internet in creating the new era of Mobile Internet. Ericsson provides total solutions covering everything from systems and applications to mobile phones and other communications tools. With more than 100,000 employees in 140 countries, Ericsson simplifies communications for customers all over the world.

Read more at http://www.ericsson.com/pressroom

FOR FURTHER INFORMATION, PLEASE CONTACT

Ericsson Corporate Communications
Press Office, Division Mobile Systems
Phone: +46 70 699 9412
E-mail: james.borup@lme.ericsson.se

Erik Örnulf, Vice President, Ericsson Corporate Technology
Phone: +46 8 757 2015, +46 70 5907839

For more about Ericsson's CPP platform, please see:
http://www.ericsson.com/pressroom/Archive/2000Q1/20000223-019.html

For more about Ericsson's PBN, please see:
http://www.ericsson.com/pressroom/Archive/2000Q2/20000505-0011.html