

WHO IS TELCORDIA?

In the modern day version of "The Great Race", the competition to deliver high bandwidth voice, video, and data services to the American home has just received a bold new entrant.

Telcordia, a world leader in testing telecommunications technologies, recently announced that Rim Semiconductor's Cupria™ family of transport processors exceeds the current VDSL 2 standard by from 40% to over 100% in performance. Dr. Kenneth Kerpez, senior scientist at Telcordia, stated,

We found that their technology offers multiple fields of innovation, offering significant improvement in both the amount and quality of bandwidth that can be carried over copper.

Though Wall Street is still digesting the implications of this announcement, it is clear that the endorsement by Telcordia is a giant step for Rim Semiconductor as it seeks acceptance by major Telcos in the U.S. marketplace.

Who is Telcordia?

Prior to 1984, Telcordia Technologies, then known as Bell Communications Research Inc., provided joint research and development, standards setting, and centralized government point-of-contact functions for its co-owners, the seven regional Bell Operating Companies. The seven included Ameritech, Bell Atlantic, BellSouth Corporation, NYNEX, Pacific Telesis Group, Southwestern Bell Corporation, and US West.

After the 1984 breakup of AT&T, Bell Labs was split off as Bell Company Research (abbreviated Bellcore) which would serve as an R&D and standards body for the seven Baby Bells.

In 2003, when efforts were made to define a US and European VDSL standard, it was British Telecom in the UK and Telcordia Technologies in the USA who were called upon to perform the rigorous comparative testing of VDSL-QAM vs. VDSL-DMT. VDSL-DMT won that race!

Today, after multiple mergers and acquisitions, only four regional telephone companies remain in the United States. They are AT&T (including SBC), Quest, Verizon and MCI.

According to Steven Woody, Professor of Engineering, "Telcordia, formerly Bellcore, is the dominant standards body for the Telecom industry for the US today." Professor Woody goes on to say, "Bellcore was created by the old Bell System Operating Companies as a research arm, Bell Company Research. They (Bellcore) generated extremely comprehensive requirements for every aspect of the US Telecommunications Industry.

All the Bell Operating Companies i.e. (Bell South, AT&T, SBC, etc., follow these requirements. In 1999, with the government-mandated dissolution of the Bell system, Bellcore was sold to SAIC and the name was changed to Telcordia. Professor

Woody concluded by saying, *"all the physical, environmental characteristics (NEBS standards) for Telecom equipment destined for the US market is defined by Telcordia requirement."*

Telcordia's client list reads like the Who's Who of worldwide telecommunications. It includes companies such as Sprint, SBC, MCI, AT&T, Lucent, Verizon, Quest, Cisco, and Federal agencies such as NASA, the DOD, and the FBI.

One of Telcordia executives, Dr. Marek E. Rusinkiewicz, recently was honored with an appointment to the President's Council of Advisors on Science and Technology Technical Advisory Group.

Telcordia standards continue to define communication equipment deployment in the U.S.

Consider the following examples:

When NASA looks to partner with industry leaders in the development of state-of-the-art "Earth Space Networks," Telcordia is a major partner.

When the Department of Defense (DOD) wanted to develop advanced network management solutions in their Transformational Satellite Communications (TSAT) and Mission Operations Systems (TMOS), they turned to Telcordia for leadership.

When Juniper Networks needed to test network interoperability for its E-series platform, it was Telcordia who performed the testing. Said Juniper Networks, *"approximately 80 percent of established US telecommunications infrastructures depend on Telcordia software platforms to help minimize the impact of OSS (Operations Support Systems) integration and to ensure flow-through service provisioning."*

When Taiwan needed to develop a telecommunications standards testing body, Taiwan Industrial Technology Research Institute (ITRI) officials had this to say about Telcordia: *"New Jersey-based Telcordia, formerly Bellcore, is a world leader in the optocommunications industry and employs 3,500 people around the world. All optocommunication components produced in the world are required to pass testing and certification conducted by Telcordia. Telcordia has played a leading role in the telecommunications industry, conducting core research that has been essential to the development of ADSL, ATM, Frame Relay, SONET, AIN and ISDN. In the United States, approximately 80% of telecommunications transmissions are dependent on software, hardware or engineering technology developed by Telcordia."*

Based on these industry leader comments, this much is clear: ***When Telcordia gives a technology its stamp of approval, the world will take notice!***