



press release

Catalyst Awarded Small Business Innovation Research Grant from United States Government

*Grant to fund research into advanced voice transmission capabilities over IP Networks
to improve Land Mobile Radio Communications*

June 10, 2003 - Lynchburg, VA

Catalyst Communications Technologies, a leading provider of Radio over IP solutions to the Mobile Radio marketplace, today announced it had been awarded a Small Business Innovation Research grant to investigate improvements in voice over IP transmission techniques for mobile radio applications. The award was granted to investigate the development of "Peer-to-Peer VoIP Link for Radio Interoperability, Fire Management, and Security" under Department of Agriculture grant guidelines. Of the 656 proposals submitted for consideration, only 88 were funded.

Catalyst intends to work closely with the Virginia Polytechnic Institute and State University's (Virginia Tech) *Center for Wireless Telecommunications*, under the leadership of Dr. Scott Midkiff. The Center for Wireless Telecommunications (CWT) is a Technology Development Center (TDC) of Virginia's Center for Innovative Technology (CIT). CWT is an interdisciplinary research center, with faculty and students from four different colleges at Virginia Tech. The primary mission of CWT is to help client companies develop new products and services using wireless technologies, and to provide a learning environment for graduate students that prepares them for jobs in wireless communications.

The objective of this research is to enhance the ability of Forest Service fire fighters, law enforcement personnel, and other public safety organizations to communicate with each other via land mobile radio by using Voice over Internet Protocol (VoIP) technologies. Catalyst anticipates that the result of this research would provide flexible connectivity while reducing the cost of communicating between agencies. It would reduce the expense for standardized radio equipment and leased dedicated telephone lines. With the inherent alternative routing capabilities of data networks, the survivability of voice communications between field personnel and operations centers would be enhanced.

“We are extremely proud to receive this SBIR award,” said Robin Grier, president of Catalyst. “The research team at Catalyst, working closely with Virginia Tech, will improve radio communications over networks by evaluating and testing concepts including Radio Interoperability, Quality of Service (QoS), Optimized Unicast Transport, and other Radio over IP network issues. The results will enable Catalyst to offer next generation Radio over IP and Interoperability solutions to the land mobile radio industry.”

Catalyst Communications Technologies, Inc. (www.catcomtec.com) creates, markets, and produces Voice over IP technology for the Mobile Radio Industry. The company leads the effort to bring Internet derived technologies into mobile radio applications, focusing on products that leverage standard Intel-based computers to reduce cost and increase the efficiency of network operators and end users. Its IP Radio™, IP Base™, IP Fleet™, IP Tone™ and Network Access Radio™ products enhance existing dispatch communications systems, bridging wireless and wireline communications networks, and IP Link™ provides network based Interoperability to connect different radio systems using the IP network. Contact Catalyst at info@catcomtec.com or 434-582-6146 for additional information.

- *IP Radio™, IP Base™, IP Fleet™, IP Tone™, IP Link™ and Network Access Radio™ are trademarks of Catalyst Communications Technologies, Inc.*