

## FOR IMMEDIATE RELEASE

### **CrossRate Technology, LLC Receives a Maine Technology Institute Development Award to Fund Product Development**

South Portland, ME *June 14, 2005* - CrossRate Technology, LLC has received a Maine Technology Institute (MTI) Development Award to fund development of an integrated GPS/Loran receiver. The MTI Development Award provides matching funding for companies to further research and development projects, and will be matched with private investment.

Unknown to most people, the daily life of the average American is dependent upon precise positioning, timing and frequency information. High profile examples of our dependence upon this information include:

- Telecommunications
- Internet Operations
- Military Combat Systems
- Electric Power Delivery Systems
- Aircraft and marine vessel navigation
- Rail System Operations
- Financial transactions

However, as society continues to intertwine itself with positioning, timing and frequency information, it continues to increase its risk level because it begins to link all aspects of our life by one common thread: GPS. And this thread is vulnerable. A Department of Transportation funded study on GPS vulnerabilities stated:

*“...GPS is susceptible to unintentional disruption from such causes as atmospheric effects, signal blockage from buildings, and interference from communications equipment, as well as to potential deliberate disruption.”*

Phrack, the online hacker magazine, brought the vulnerabilities into stark relief in an article titled “Low Cost and Portable GPS Jammer” which appeared in its December 2002 edition. This article provided complete instructions, including schematic diagrams and a parts list, to construct a GPS jammer with parts available at Radio Shack.

A government sponsored Volpe study concluded that the current GPS system, and reliance upon it as the sole method of providing information, vital to our societal needs, is not a fail-safe proposition. The study identified the need for a reliable back-up system that meets the same multi-modal requirements as GPS.

CrossRate’s products will provide a backup to GPS to ensure the continuous flow of information to support critical applications.

#### **About CrossRate Technology, LLC**

CrossRate Technology, LLC is an OEM technology partner developing the next generation of integrated timing, frequency, and navigation technology which will be used to secure America’s

critical national infrastructure. CrossRate is developing eLoran engines (chip sets) that will be used in integrated GPS/eLoran receivers.

### **About Maine Technology Institute**

The Maine Technology Institute is a state funded, private non-profit organization offering early-stage, patient capital and commercialization assistance for the research and development of innovative, technology based projects that create new products and services, generating jobs in the state of Maine.

For more information contact CrossRate at [info@crossrate.com](mailto:info@crossrate.com).