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FOR IMMEDIATE RELEASE

**Cyber-SIGN® Signature Verification Technology Used in  
Sharp® Personal Digital Assistant**

*First-Ever Inclusion in Major PC Product Paves Way for Secure De-Facto Standard for Remote  
Network Log-In Using Dynamic Signature Verification*

SAN JOSE, CA (November 15, 1999) — Signature verification technology has come one step closer to commonplace use by millions of mobile computer users, thanks to its inclusion in a Personal Digital Assistant, or PDA, offered by Sharp Electronics. The groundbreaking technology, a product of Cyber-SIGN, Inc., holds great promise as a simple, natural, and economical way for companies to ensure network security via remote PCs, especially PDAs.

Cyber-SIGN's Biometric Dynamic Signature Verification was first included in April 1999 in the Sharp Power Zaurus Series PDAs. Integrated with the system BIOS, it provides pre-OS power-on security for the handheld devices. This use of a Biometric Authentication method in the BIOS of a computer device is an industry milestone – and industry first. Though Power Zaurus PDAs are currently only available in Japan, initial customer interest in the product's signature biometric has been sufficient to prompt widespread attention by manufacturers in the U.S.

Cyber-SIGN's Enterprise system of dynamic signature verification goes far beyond the look or shape of a person's signature. In fact, it tracks four dimensions—speed, style, pressure, and timing—which are absolutely unique to the individual. Fraudulent duplication of all four dimensions is virtually impossible; a written copy of an authorized signature is useless as well. Even more, Cyber-SIGN's technology is affordable and requires no special hardware, other than an inexpensive digitizing tablet or PDA to capture the user's signature.

“Inclusion of Cyber-SIGN's technology by Sharp is a major step forward for Signature Verification technology,” said Dennis Quiggle, Business Development Manager for Cyber-SIGN, Inc. “In just three years, Signature Verification has gone from a test-case success to potential practical use in millions of PCs. We're confident the day is just dawning on this exciting technology.”

In 1996, engineers at CADIX, the Japanese parent company of Cyber-SIGN, established an Internet industry first by performing the first-ever Signature Verification over the Internet. Since then the technology has been refined and simplified. Standard data packet size today for signature authentication data is not more than 1.5KB, taking usually less than ½ second to verify on a LAN. The company is in the process of releasing a

new version requiring only 400-600 bytes of transmitted data. This smaller data set will be especially useful in smartcard integration.

In the Sharp Power Zaurus PDAs, Cyber-SIGN's technology has two functions, to ensure authenticated remote log-on to a company's network, and to prevent unauthorized use of the PDA itself. The company has identified dozens of possible vertical business markets which need secure remote access, including financial, law-enforcement, government, healthcare and more. In fact, Sharp recently sold 5,000 Cyber-SIGN Enterprise-equipped PDAs to a major Japanese apartment construction company. Several insurance companies also showing interest.

"The early use of passwords in the computer industry is clearly ending," says Quiggle. "Passwords can be lost, stolen, forgotten, or shared. Signatures are unique to each individual, plus unlike retinal or fingerprint biometrics, signatures are a time-honored, accepted method of identity verification."

Cyber-SIGN sees the use for its technology multiplying quickly. Already, major consumer products companies Fujitsu and Casio are using Cyber-SIGN Enterprise in various products. Security uses abound, including unscrambling individual secure documents, eCommerce security and more. The company licenses its software for integration into client/server and desktop applications using the Cyber-SIGN Developer's Workshop.

"The market for behavioral biometric identification is about to explode," said Quiggle. "We believe signature verification biometrics will be leading the charge."

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***About Cyber-SIGN:***

*Cyber-SIGN's proprietary technology was first introduced in a non-networked version by CADIX Incorporated of Tokyo, Japan in 1995. Recognizing that Silicon Valley is widely recognized as the world's technology hotbed, CADIX established Cyber-SIGN® in San Jose, California in 1997 to capitalize on the expected explosion in market demand for this exciting technology. Cyber-SIGN's express purpose is to establish the Cyber-SIGN technology as the world's de-facto behavioral biometric industry standard. For more information please contact Cyber SIGN Incorporated at (800) 876-4605, [info@csign.com](mailto:info@csign.com), or visit them on the Web at <http://www.cybersign.com>.*