



COMSEC PROBLEM

Foreign governments and competing corporations routinely compromise communications of U.S. businesses

PROBLEM

- ➔ INTERCEPTION
- ➔ DETECTION
- ➔ INSUFFICIENT SECURITY CONTROLS
- ➔ USABILITY
- ➔ LEGAL RESTRICTIONS



IMPACT:

- Competitive disadvantage
- Jeopardized business missions
- Harmed reputation
- Exploited security of others

FACTS: National Counterintelligence and Security Center

“Foreign int. services, criminals, and private sector spies are focused on American industries and private sector...”

“ CYBER ENVIRONMENT IS

- Fast
- Efficient
- Safe

way to penetrate the foundations of economy

ADVERSARY

- FOREIGN INTELLIGENCE SERVICES
- CRIMINALS
- PRIVATE SECTOR SPIES

THEIR EFFORTS COMPROMISE

- Intellectual property
- Trade secrets
- Technological developments

<http://www.ncsc.gov/issues/economic/index.php>



SONY ATTACKED BY A FOREIGN STATE

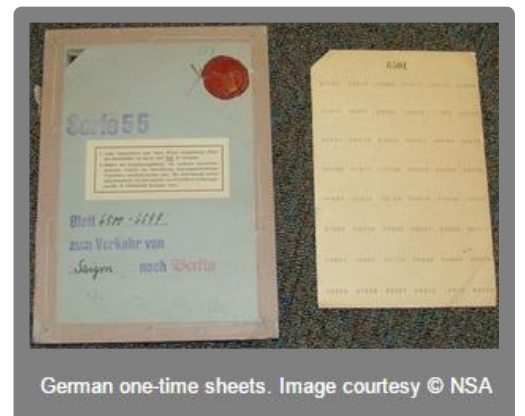
UNPRECEDENTED DAMAGE

NCSC: “PRIVATE SECTOR LACKS THE RESOURCES AND EXPERTISE TO THWART FOREIGN EFFORTS TO STEAL CRITICAL AMERICAN KNOW-HOW.”

Crypto-Technology

Long-Term (Unending) Security

SECROM advanced security fully implements One-time Pad (OTP) technology, also known as the Vernam cipher or the Perfect Cipher, that has proven to be mathematically unbreakable and impossible to defeat (comparable and exceeding the NSA’s “Suite A” cryptography). Efficiently managing encryption keys has been the challenge preventing its adoption outside top-secret military and diplomatic communications.



- ➔ Two copies of the encryption key—one for the sender and one for the receiver.
- ➔ A truly random key equal to the size of the message.
- ➔ The key is used once and destroyed.

OTP HAS POWERED THE ETCRRM II WASHINGTON / MOSCOW TELEX

SECROM ADVANTAGE

SECROM Unified Communications solution is specifically designed to protect U.S. businesses from competitors and their governments—this is what sets SECROM apart from all other solutions

Benefits

VERY STRONG SECURITY

EASE OF USE AND DEPLOYMENT

INTERNATIONAL USE*



Business Impact

- ➔ **INCREASE PRODUCTIVITY** by enabling employees to freely communicate regardless of where they are and the sensitivity of communications
- ➔ **REDUCE COSTS** by avoiding reputation damage and loss of intellectual property as a result of intercepted communications
- ➔ **PEACE OF MIND** - reliably protect your business, your family, and your associates, especially when working or traveling abroad

*It is your responsibility to verify compliance and comply with laws regulating the export/import and/or use of cryptography where SECROM is deployed or used.

Though the One-time Pad is proven to be mathematically unbreakable, no computer system can provide absolute security under all conditions and configurations. Other limitations apply. Names and brands may be claimed as the property of their respective owners. Information provided in this document is subject to change at any time and provided “as is” and without warranty of any kind.

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