



Thales and Voltage Security Forge Technology Integration and Partnership to Deliver End-to-End Encryption and Key Management to Secure Payments

Partnership Addresses PCI DSS and Other Enterprise Data Protection Initiatives

Palo Alto, CA and Cambridge, UK – 20 January 2010 – Thales, leader in information systems and communications security, and Voltage Security, Inc., the global leader in end-to-end data protection, announce a technology integration and partnership centered around delivering End-to-End Encryption and key management solutions for the payments industry and broader enterprise security applications. Through the partnership, the two companies have worked together to integrate Voltage SecureData technology with Thales hardware security modules (HSMs) for customers, Heartland Payment Systems being an example.

The Thales and Voltage technology integration allows customers to apply hardened data protection measures at virtually any point along the data path to help achieve the goal of end-to-end protection. By helping to reduce the time and complexity of deploying data protection and by significantly limiting the scope of security audits, the burden of demonstrating regulatory and internal compliance is dramatically reduced. The technology integration builds on Voltage SecureData™ to protect data without having to make expensive changes to the point of sales (POS) infrastructure, database and business applications. The encryption and key management process is protected by Thales [nShield Connect](#) hardware security modules – part of the nCipher product line - to ensure the security and integrity of the overall solution. Beyond initial deployment, Voltage and Thales encryption and key management solutions further simplify the ongoing management and operation for customers.

End-to-End Encryption is increasingly the leading method of securing data throughout the payment stream and for enterprise security applications. For organizations subject to PCI DSS (Payment Card Industry Data Security Standard), using hardware security modules (HSM) solutions further reduces the scope of PCI audits – reducing the time and money required for compliance.

“With Heartland [End-to-End Encryption \(E3\)](#), Heartland is raising the bar in retail payments security, beyond existing security mandates, by deploying End-to-End Encryption to protect cardholder and sensitive authentication data throughout the payment acquiring network,” says Steve Elefant, chief information officer, at Heartland Payment Systems. “The Voltage solution integrated with Thales HSMs just works and, in a matter of weeks rather than months, delivered the data protection and key management that Heartland needs to move the payments industry forward.”

“The goal of achieving end-to-end protection is a challenging one with so many diverse endpoints in a transaction lifecycle – point of sale (POS), databases, mainframes, and payment networks – all of which need to be protected from compromise,” says Sathvik Krishnamurthy, president and CEO, Voltage Security. “Key management is a critical aspect of all encryption systems and through our partnership with Thales we are able to enhance our End-to-End Encryption solution

to protect key management functions and other cryptographic operations in a tamper resistant and security certified environment – an essential requirement in the payments market.”

“Today, Thales helps secure more than 70 percent of the world’s card payment transactions. Thales is delighted to partner with Voltage to deliver to customers such as Heartland an innovative End-to-End Encryption and key management solution that further helps customers in the payments market and beyond to address their expanding data protection needs,” says Franck Greverie, vice president, managing director for the information systems security activities of Thales.

More information on Thales HSMs is available at

<http://iss.thalesgroup.com/Products/Hardware%20Security%20Modules.aspx>.

More information on Voltage SecureData is available at www.voltage.com/end-to-end

For additional commentary on trends in payment security, please visit

www.PaymentsSecurity.com.

About Voltage Security

Voltage Security, Inc., an enterprise security company, is an encryption innovator and global leader in end-to-end data protection. Voltage solutions, based on next generation cryptography, provide end-to-end encryption, tokenization, masking and stateless key management for protecting valuable, regulated and sensitive information based on policy. Voltage products enable reduction in audit scope with rapid implementation and the lowest total cost of ownership in the industry through the use of award-winning cryptographic solutions, including Voltage Identity-Based Encryption™ (IBE) and a new breakthrough innovation: Format-Preserving Encryption™ (FPE). Offerings include Voltage SecureMail™, Voltage SecureData™, Voltage SecureFile™ and the Voltage Security Network™ (VSN), a SaaS service for the extended business network.

As a service to the industry and general public, the company maintains the Voltage Data Breach Index and Map which is continuously updated with global data breach information:

www.voltage.com/data-breach. The Company is active in the standards community and is a PCI Security Standards Council Participating Organization and is a member of the Secure POS Vendor Alliance (SPVA). Voltage has also been issued several patents based upon breakthrough research in mathematics and cryptographic systems. Customers include Global 1000 companies in banking, retail, insurance, energy, healthcare and government. To learn more about Voltage customers and sign up for the customer newsletter, please visit www.voltage.com/customers.

Notes to editor

Thales is one of the world leaders in the provision of Information and Communication Systems Security solutions for government, defense, critical infrastructure operators, enterprises and the finance industry. Thales’s unique position in the market is due to its end-to-end security offering spanning the entire value chain in the security domain. The comprehensive offering includes architecture design, security and encryption product development, evaluation and certification preparation and through-life management services.

Thales has forty years of unrivalled track record in protecting information from Sensitive But Unclassified up to Top Secret and a comprehensive portfolio of security products and services, which includes network security products, application security products and secured telephony products.

About Thales

Thales is a global technology leader for the Aerospace and Space, Defence, Security and Transportation markets. In 2008, the company generated revenues of 12.7 billion euros with 68,000 employees in 50 countries. With its 25,000 engineers and researchers, Thales has a unique capability to design, develop and deploy equipment, systems and services that meet the

most complex security requirements. Thales has an exceptional international footprint, with operations around the world working with customers as local partners. www.thalesgroup.com

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Voltage Identity-Based Encryption, Voltage Format-Preserving Encryption, Voltage SecureMail, Voltage SecureFile, Voltage SecureData and the Voltage Security Network (VSN), are registered trademarks of Voltage Security, Inc. All other trademarks are property of their respective owners.

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