

Lex Mercatoria: Electronic Commerce and Encryption Pages

Lex Mercatoria

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Electronic Commerce & Encryption

Electronic Commerce \046 Encryption Encryption

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tinyThis list does not attempt to be exhaustive. It provides links to sources we have found
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Elsewhere off this site: <Electronic Commerce compendium> tinyCryptography applied in
various ways and circumstances is essential for security and trust: ParagraphIndent0mm

- confidentiality

- integrity

- authentication

- non-repudiation

In sum, read, cryptography impacts upon every aspect of considered e-commerce and private e-business relations.

#agreements Agreements

#groups Interest Groups

#aes AES Algorithm (Advanced Encryption Standard)

¹<http://www.jus.uio.no/lm/un.electronic.commerce.model.law.1996/sisu_manifest.html>

²<http://www.jus.uio.no/lm/wta.electronic.commerce.1998/sisu_manifest.html>

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«AES Algorithm» Advanced Encryption Standard (AES) Development Effort, Computer Security Division, National Institute of Standards and Technology, NIST is an agency of the U.S. Commerce Department's Technology Administration see «Encryption toolkit» Advanced Encryption Standard of the National Institute of Standards and Technology (NIST) 49

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“SPECIAL NOTE - Intellectual Property NIST reminds all interested parties that the adoption of AES is being conducted as an open standards-setting activity. Specifically, NIST has requested that all interested parties identify to NIST any patents or inventions that may be required for the use of AES. NIST hereby gives public notice that it may seek redress under the antitrust laws of the United States against any party in the future who might seek to exercise patent rights against any user of AES that have not been disclosed to NIST in response to this request for information.” 51

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- 142 <PPDD> requires recompiling (patching) the Linux kernel to allow strong encryption and a special device. Good documentation.
- 143 <TCFS> involves the running of a daemon which exports an encrypted filesystem as an NFS share.
- 144 <Crypto Kernel Patch> a patch for any given Linux kernel to make the loopback device use encryption algorithms.
- 145 <BestCrypt> <Jetico>

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- 154 <National Security Agency> U.S.A.
- 155 <National Institute of Standards and Technology> NIST is an agency of the U.S. Commerce Department's Technology Administration
- 156 <NCSA>
- 157 <DSS Defense Security Service>
- 158 <National Infrastructure Protection> U.S. Department of Homeland Security
- 159 <The Critical Infrastructure Assurance Office (CIAO)> moved to the U.S. Department of Homeland Security
- 160 <ANSI - American National Standards Institute>
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NACHA represents more than 12,000 financial institutions through our network of regional ACH associations.? We have over 600 members in our seven industry councils and corporate Affiliate Membership program.” 242

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◁Mobey Forum▷ “a financial industry-driven forum, whose mission is to encourage the use of mobile technology in financial services ... - such as payment, remote banking and brokerage” 248

◁Paypal▷ Confinity. Paypal now Nokia approved allows you to make instant payments to anyone with a cell phone, two-way pager, or handheld device, such as the Palm? organizer. Permits such things as the settlement of debts, borrowing of cash and splitting of bills/ expenses without the hassle of going to ATMs or keeping track of debts. Paypal is free and works seamlessly with your existing credit card and bank account. PayPal? software can be “beamed” to your friend or business associate who can then be “beamed” money instantly. The system charges your credit card when you next sync your device, and your friend can register later at PayPal.com. 249

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364tinyThis list does not attempt to be exhaustive. It provides links to sources we have found particularly useful, and to other more comprehensive lists of sources on the subject. tinyElsewhere off this site: <Electronic Commerce compendium> tiny<Wassenaar Arrangement> tiny<Center for Democracy and Technology> tiny<Center for Media Education> tiny <Cyber Rights and Cyber Liberties U.K> a non-profit civil liberties organisation founded by Yaman Akdeniz. Information on <Wassenaar> and on the UK <Freedom of information Files> tiny<Distributed.Net> tiny<Electronic Freedom Frontier> tiny<Electronic Frontier Foundation> tiny<Electronic Privacy Information Center> tiny<EU Freedom Campaign*> tiny<Foundation for Taxpayer and Consumer Rights> tiny<CryptoRights Foundation> tiny<Global Internet Liberty Campaign> tiny<International Cryptography Campaign> tiny<Echelonwatch> tiny<The Internet Law and Policy Forum> “dedicated to promoting global growth of e-commerce by contributing to a better understanding of the particular legal issues which arise from the cross border nature of the electronic medium” tiny<Free Congress Foundation> tiny <the American Civil Liberties Union> tiny<Center for Media Education> tiny<Security Forum> *Industry tiny<Direct Marketing Association> tiny<Interactive Services Association> tiny<TRUSTe> tiny<Global Information Infrastructure Commission> This group backed “The Standard for Internet Commerce”, described as: a uniform open and free standard for Electronic Commerce. ZiffDavis publisher initiative developed collaboratively with more than 200 top global Internet merchants, IT vendors, analysts, policymakers, consumer advocates, academics and journalists in an effort to establish a set of merchant practices and policies. Topics for Draft 1.0 include: merchant information, product availability, charges and fee information, warranties, product support, search capabilities, privacy, security, payment and billing, receipt of order notification, order status and history, shipping delivery and order execution, cancellations, returns, refunds and customer support. Launched in 12 July 1999, completion planned for December 1999. Global Information Infrastructure. tiny<Global Business Dialogue on Electronic Commerce> <(GBDe)> An international non-governmental organization, managed by executives of 29 major enterprises in the United States, Europe and Asia, that promotes establishing global rules for electronic commerce over the Internet. ParagraphIndent0mmGBDe member companies submit requests for legal arrangements for electronic commerce representing the interest of industries during the first GBDe convention held on 13 September 1999 in Paris, and these will be submitted to the government of each country.

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