SEMPER

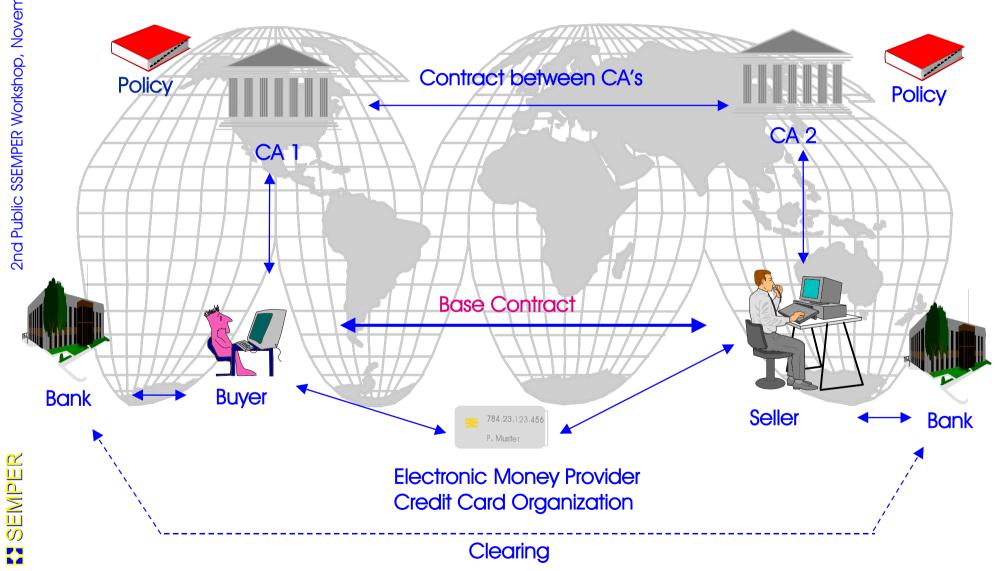
The SEMPER Electronic Commerce Agreement

2nd Public SEMPER Workshop Rüschlikon, Switzerland, November 4th 1998

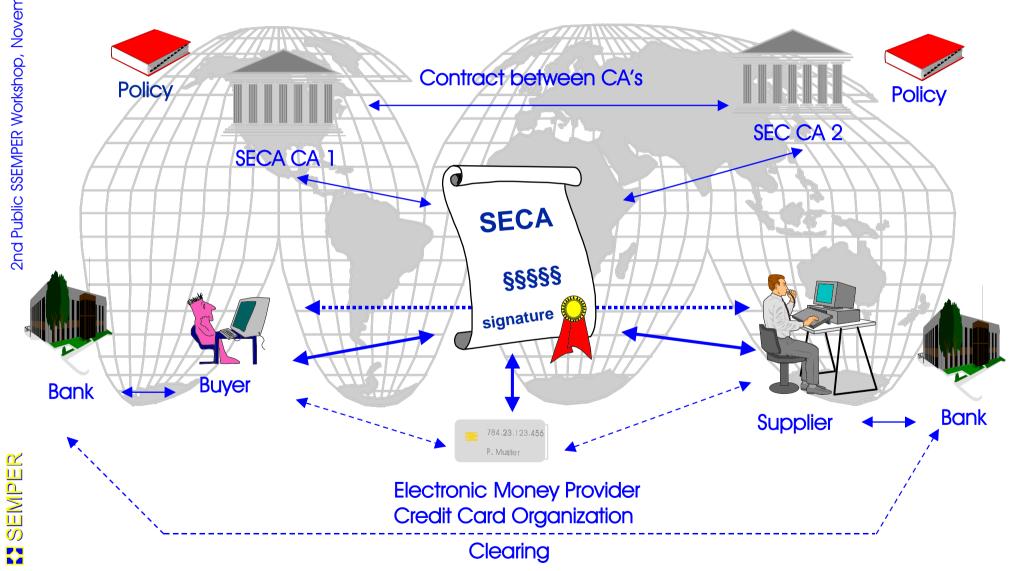


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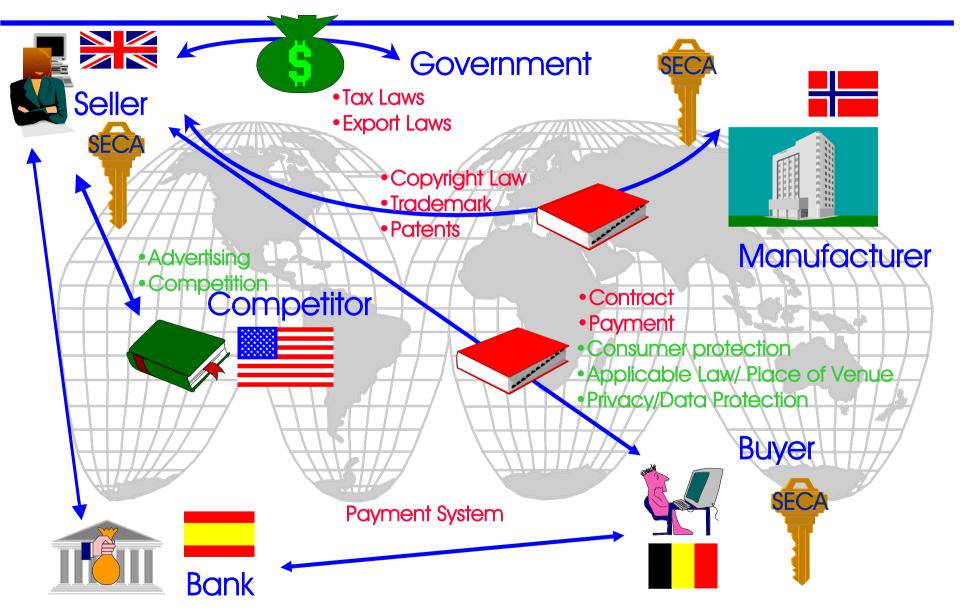
Current Situation in Electronic Commerce



Situation in Electronic Commerce with SECA



Scenario of a Business Transaction over Open Networks



Main Obstacles to Electronic Commerce

- Various legal systems with individual regulations
- Without Digital Signatures players do not trust in Electronic Commerce
- No unified requirements for CA's and no harmonized CPS
- No or not sufficient regulations on liability for digitally signed messages

Focus of the Selected Approaches

UNCITRAL Model Law (1996)

OECD Guidelines (1992)

EU Directive

(Proposal 1998)

German Digital

Signature Act (1997)

Utah

Digital Signature Act (1995)

EDI Agreements

- Functional equivalent of digital signatures to traditional signatures
- No regulations on Liability
- General recommendations for electronic commerce and for liability
- Validity of Digital Signatures
- Liability of CA's
- Mutual recognition of certificates
- Establishing a secure infrastructure for digital signatures
- Licensing of CA's
- Liability of CA's for issuing certificates
- Building of a CA
- Duties and liabilities of a CA
- Duties and liabilities of the subscriber
- Legal Protection on a bilateral commercial relationship

The Principles and the Solution of SECA

Principles

• Establishment of a well defined legal basis for players doing electronic commerce

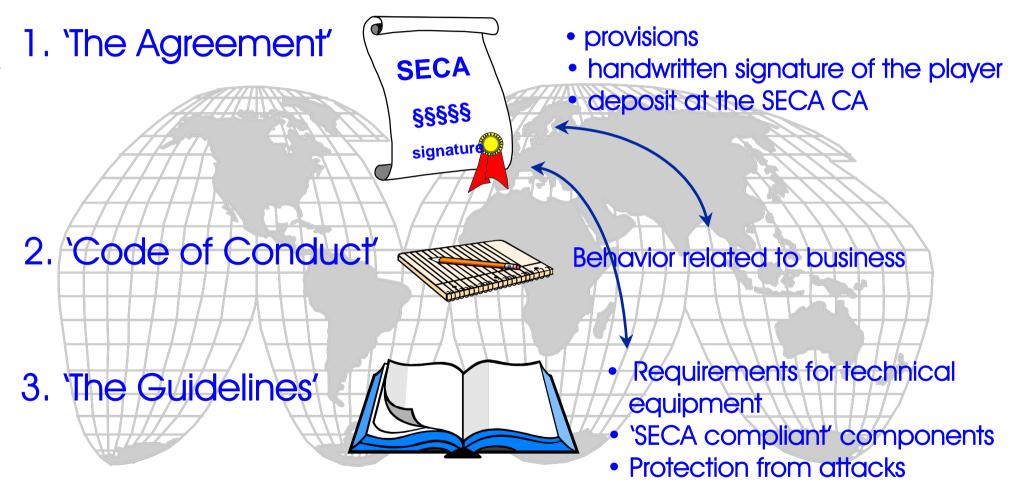
Regulate liability for digital signatures



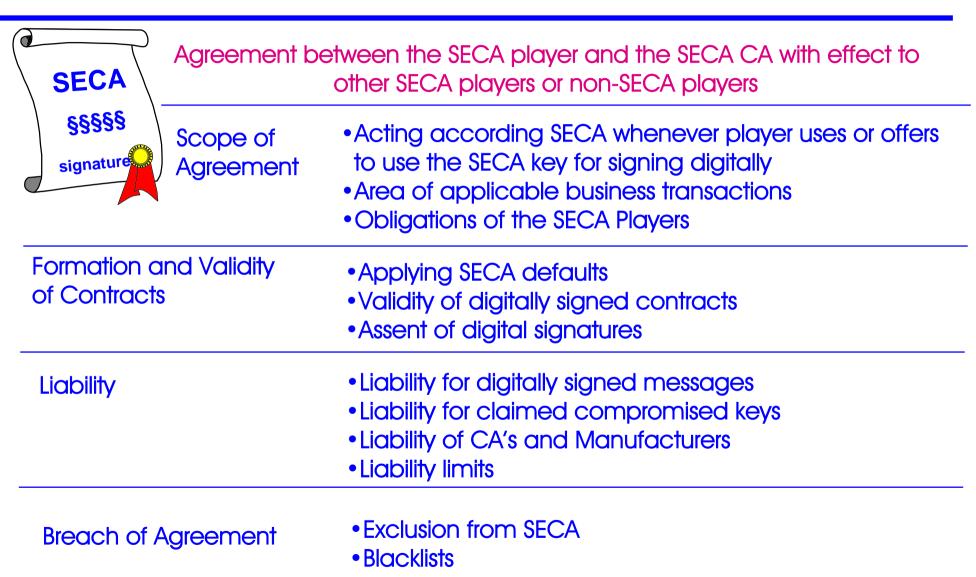
Solution

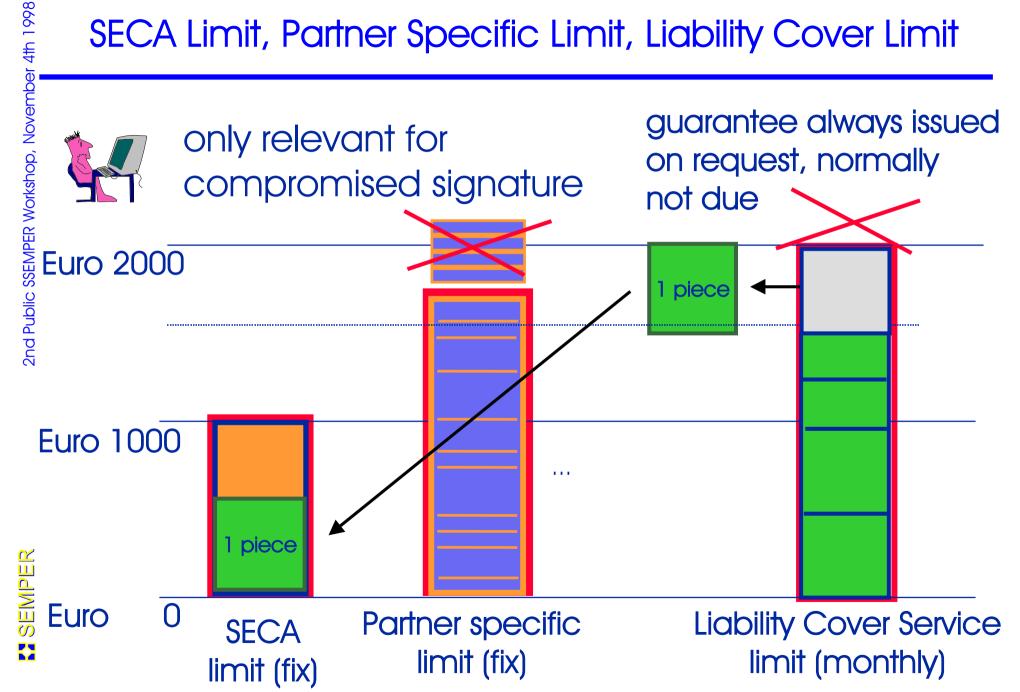
- Enable fair cross-border commerce between b-b, b-p and p-p, including non technical players
- Enhance awareness of the players
- Agreement with provisions of liability among other provisions
- Liability limit for claimed compromised keys
- Code of Conduct that has to be followed, including defaults
- Guidelines with criteria for electronic commerce software

The Structure of SECA



'The Agreement'





'The Code of Conduct'



SECA Defaults

- Applicable Law
- Conclusion of contract
- Personal Data and Confidentiality

Behavior related to Business

- Advertising and Competition
- Negotiation
- Offers and Acceptance
- Consumer Protection Issues
- Content of Contracts and Internet Pages
- Privacy and Data Protection
- Dispute Handling

'The Guidelines'

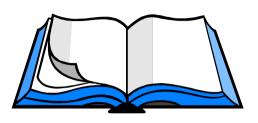
Requirements for 'SECA compliance' of components:

- provide user interface well comprehensive for non technical users
- provide and inform users of means to protect themselves
- prevent attacks
- enforce fair commerce

Recommended user equipment for best protection

Defines equipment levels and shows risks from low [no secure HW used, any downloaded software used] to high [secure HW, secure OS used]

'The Guidelines'



Gives recommendations for best protection

- Care for keys (and access to keys)
- No using any other keys without liability limit
- Care for data
- Use 'SECA compliant' components
- Use a good combination for committed limited liabilities
- Ensure fair commerce

The Benefits of SECA



- SECA combines essential regulations in one single agreement
- SECA is open for everybody
- SECA protects the key holder from unpredictable damage.
- SECA protects the relying party from unpredictable damage
- SECA enforces the awareness of the players

SECA enables fair electronic commerce even for non technical players, NOW!