SECURE ELECTRONIC MARKETPLACE FOR EUROPE

A Research Project on the Secure Electronic Marketplace sponsored by the European Commission
The players of the electronic marketplace

- The bank
- The client
- The Internet
- The registration & certification authority
- The seller
Getting an electronic certificate

From real ...
... to digital identity

The registration & certification authority

The Internet

The client
Getting electronic means of payment

The bank

The client

The Internet

Registering with the bank, loading ...

Electronic purse

Credit card
Authenticating the seller

The certificate pops up on the trusted display

The client

The seller

Trusted display

The Internet

G. Lacoste, IBM March 1997

BIRGIT BAUM WAIDNER

3.30
Browsing through the offered services

Services
- consulting
- seminars
- software

The client

The seller

The Internet

Trusted display
- consulting
- seminars
- software

3.30
The client asks for the selling conditions.
The client makes a signed offer to the seller.

The seller responds with an offer:

**SoftPub**

- € 20

The client accepts the offer.

The seller makes an invoice via the Internet.
The order is signed

Ordering

SoftPub

Services
- consulting
- seminars
- software

SoftPub

The Internet

The client

The seller
Paying the order

Fair exchange of payment against the goods

Services
- consulting
- seminars
- software

The client

The seller

SoftPub

€ 20

PAY

STOP

The Internet

Paying the order

SoftPub

20

PAY

STOP

The client

The seller

CREDIT CARD

1234 5678 9012

VALABLE DEPUIS EXPIRE FIN

XX/XX/XX XX/XX/XXXX/XX/XX XX/XX/XX

BIRGIT BAUM WAIDNER

Trusted display

2.30

G. Lacoste, IBM March 1997

SEMPE
Delivering the goods

Fair exchange of payment against the goods

Services
- consulting
- seminars
- software

The client

The seller

SoftPub
≤ 200
PAY
STOP

The Internet

SoftPub 200

PAY STOP

Delivering the goods

Fair exchange of payment against the goods
Moving the money to the bank

The bank

Internet

The seller

The seller

The bank

1.30
SEMPER, blue-print for building the secure marketplace:

- legal framework
- notary services
- secure streams
- anonymity
- resolution of disputes

http://www.semper.org
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