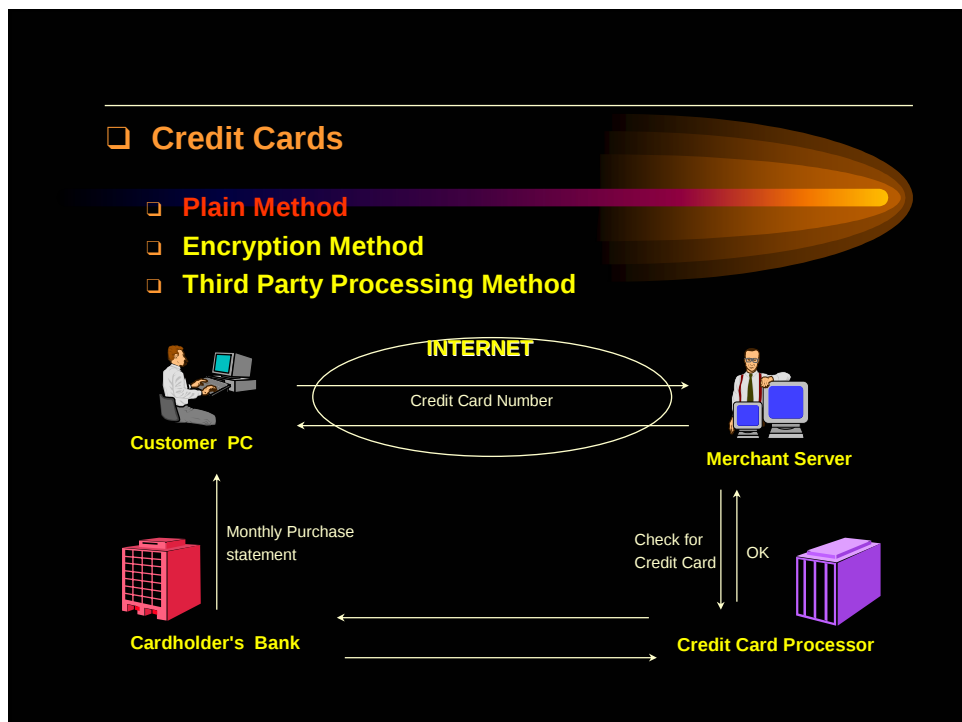
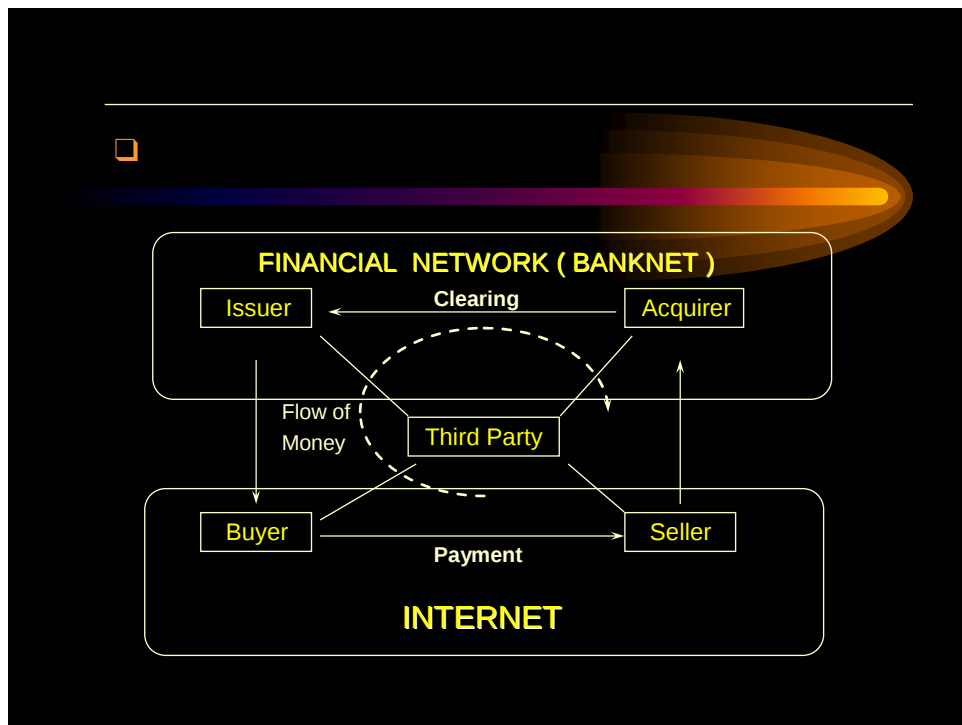

❑ (Electronic Commerce)

- ❑ Internet Commerce
- ❑ Commerce on the Information Super Highway
- ❑ Secure and Efficient Electronic Payment System
 - ❑ (Macro Payment System)
 - ❑ (Micro Payment System)
- ❑ Protection of Property Right
 - ❑ Steganographic Technique for Multimedia Data
 - ❑ Secure Distribution of Data



- ❑ (Credit Cards)
- ❑ (Electronic Check)
- ❑ (Electronic Cash)
- ❑ (pre-paid system)
- ❑ (post-paid system)
- ❑ (pay-now system)
- ❑ (on-line system)
- ❑ (off-line system)

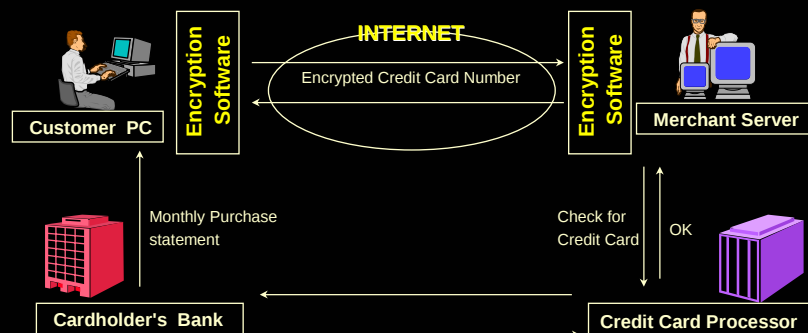


❑ Credit Cards

- ❑ Plain Method
- ❑ Encryption Method
- ❑ Third Party Processing Method

SSL by Netscape

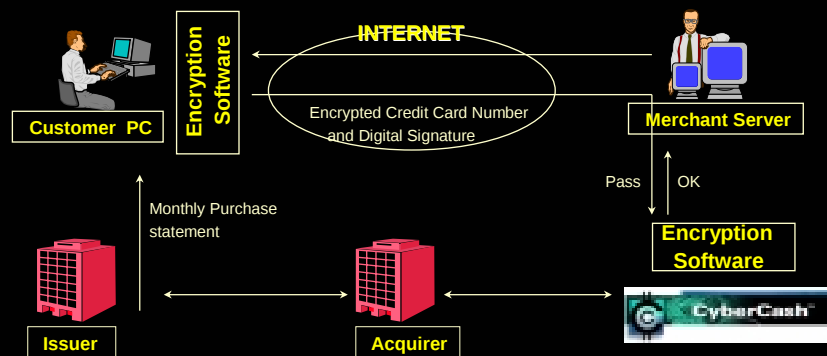
SET by Mastercard & Visa

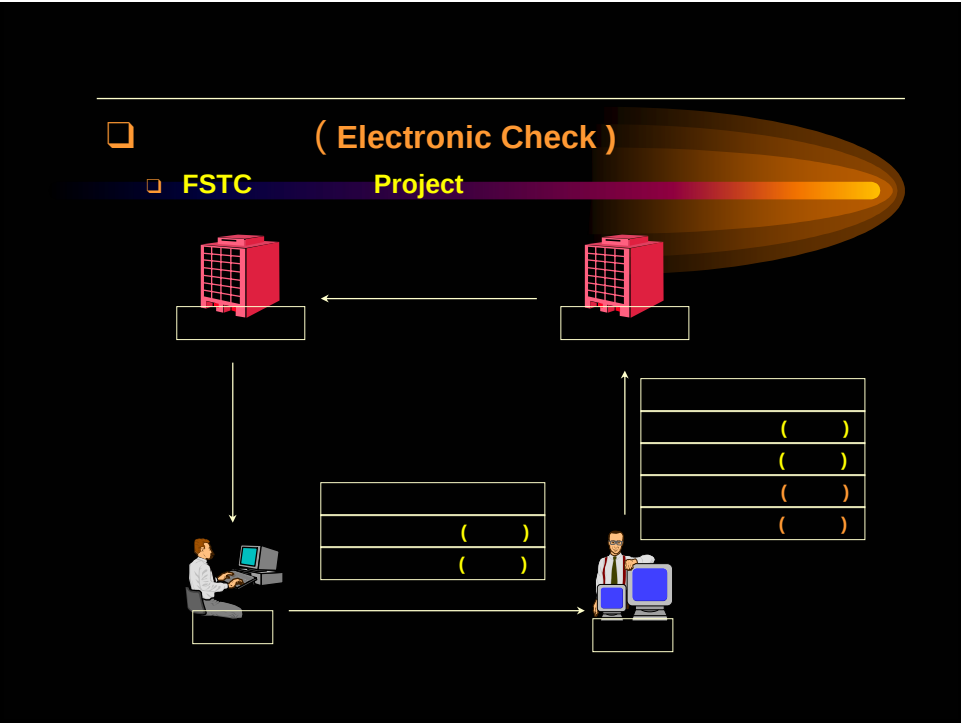
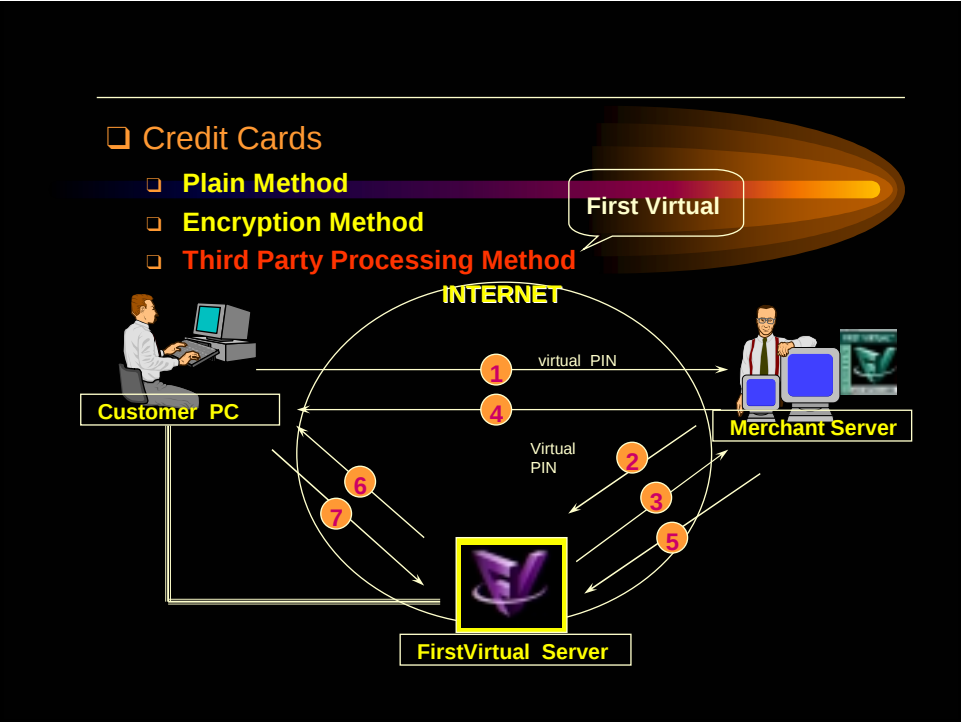


❑ Credit Cards

- ❑ Plain Method
- ❑ Encryption Method
- ❑ Third Party Processing Method

CyberCash





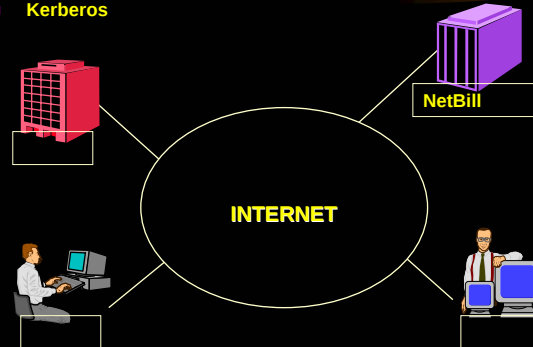
❑ Electronic Check



The NetBill Project

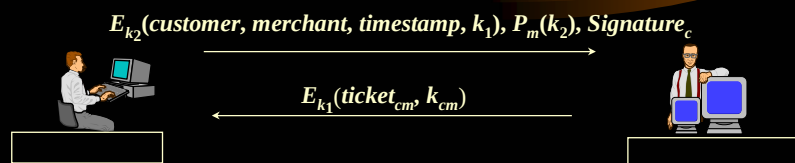
❑ NetBill

- Carnegie-Mellon
- 가
- Kerberos

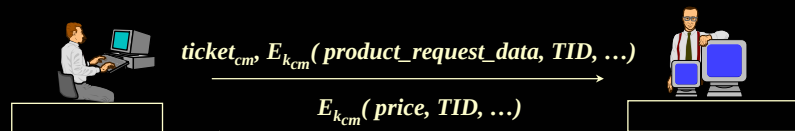


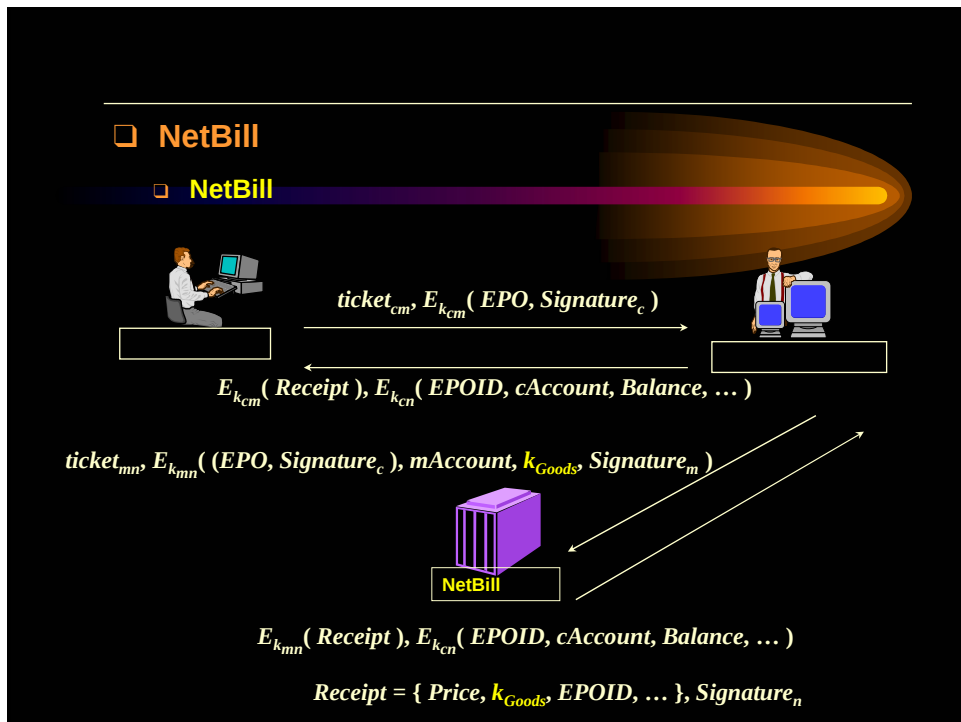
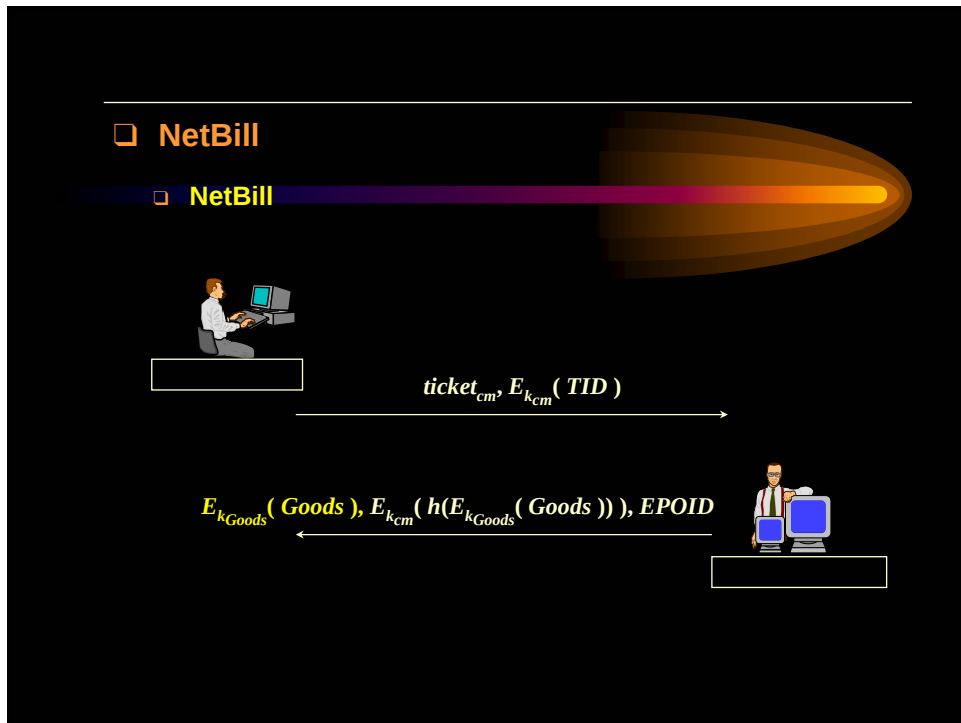
❑ NetBill

❑ Ticket



❑ NetBill 가





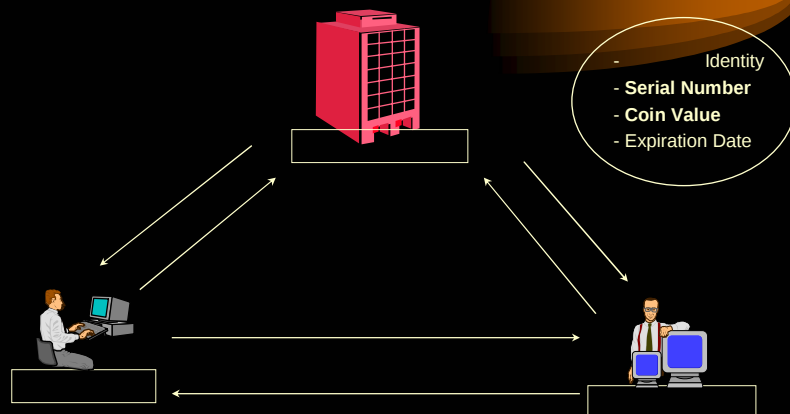


(Electronic Cash)

- ❑ On-Line vs. Off-Line
- ❑ Identified vs. Anonymous
- ❑ Micro Payment vs. Macro Payment
- ❑ Credit-based vs. Debit-based
- ❑ Software-based vs. IC-Card-based

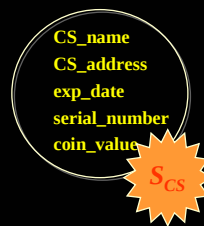
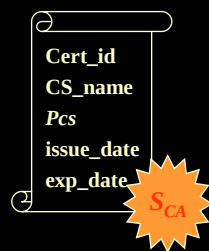
- ❑ 가 (Not Forgeable)
- ❑ 가 (No Multiple Spending)

- ❑ 가 (Divisibility)
- ❑ 가 (Transferable)

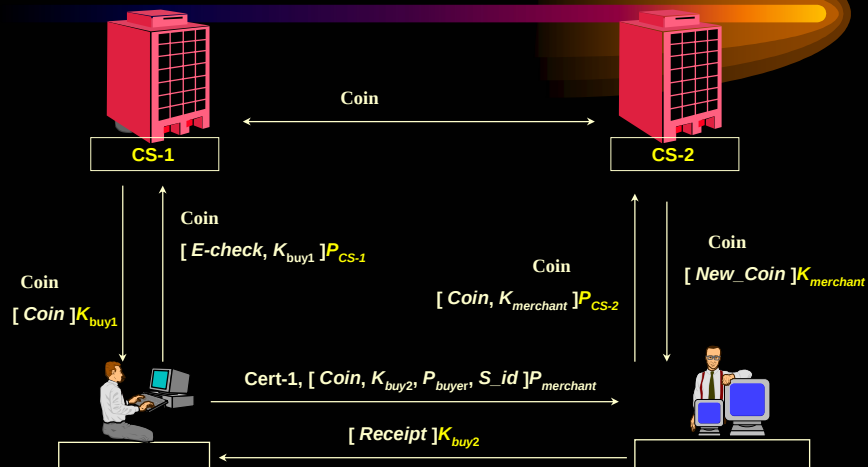


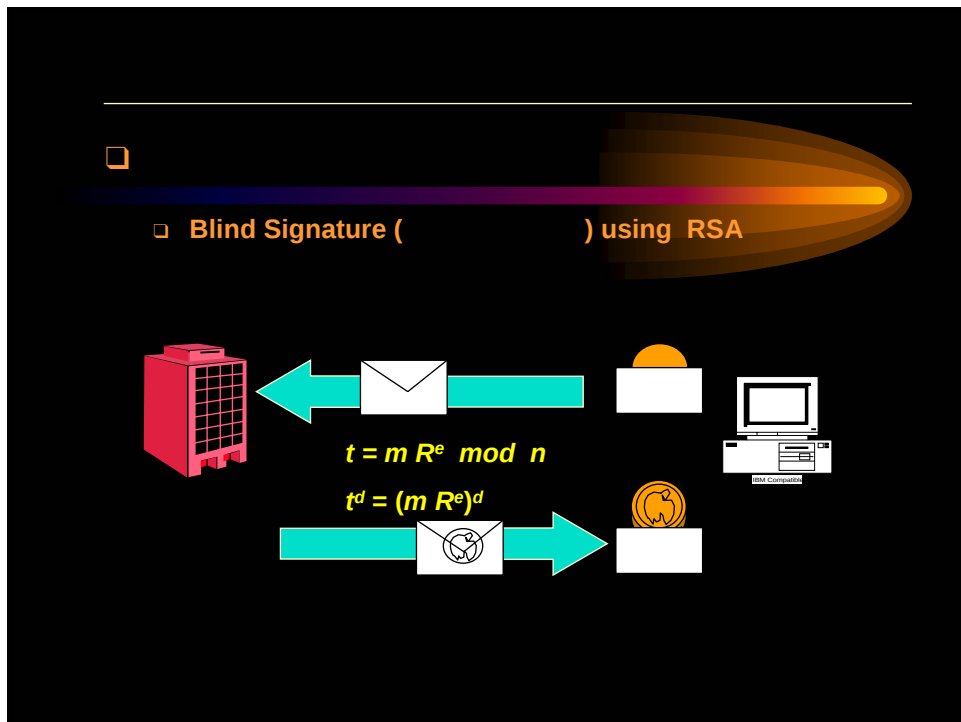
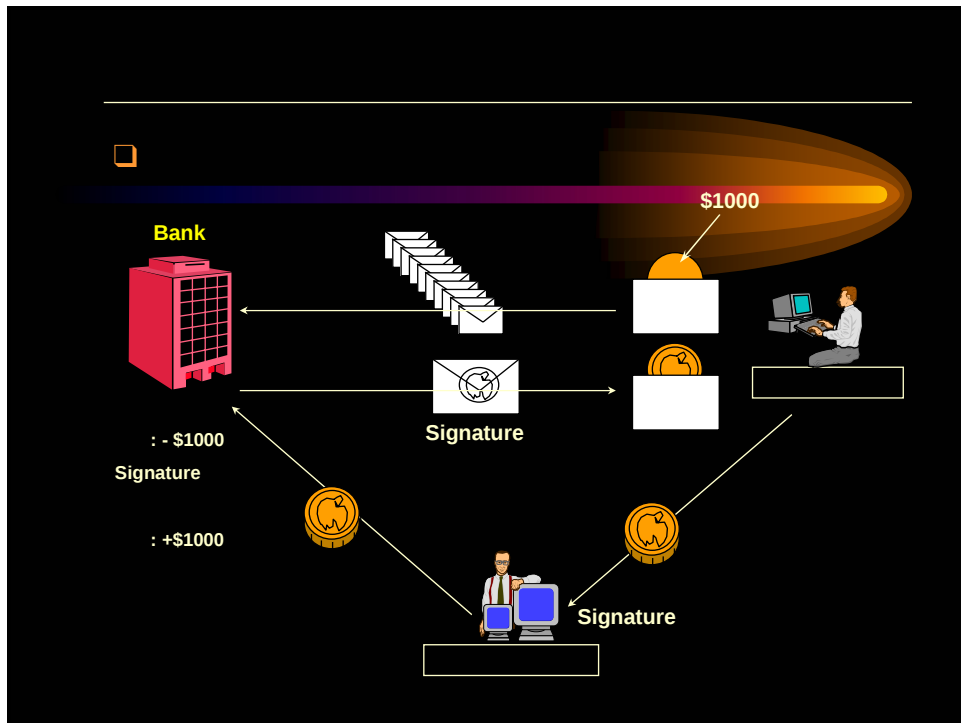
NetCash

- USC ,
- (currency server), CS
- , CA
- , Cert
- (electronic coin), Coin



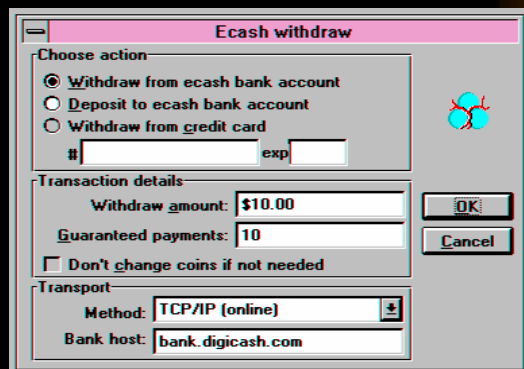
NetCash





❑ DigiCash

■ Withdrawing ecash from Account

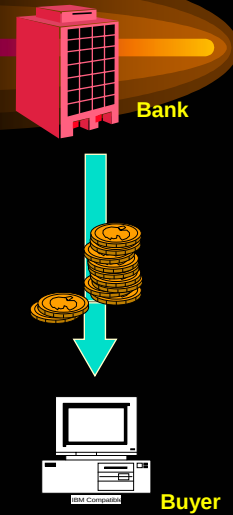


The dialog box titled "Ecash withdraw" contains the following fields and controls:

- Choose action:**
 - ☒ Withdraw from ecash bank account
 - ☐ Deposit to ecash bank account
 - ☐ Withdraw from credit card
- Transaction details:**
 - Withdraw amount: \$10.00
 - Guaranteed payments: 10
 - ☐ Don't change coins if not needed
- Transport:**
 - Method: TCP/IP (online)
 - Bank host: bank.digicash.com

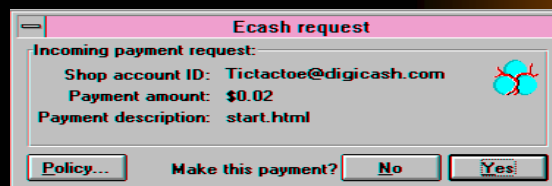
Buttons: OK, Cancel

WWW.DIGICASH.COM



❑ DigiCash

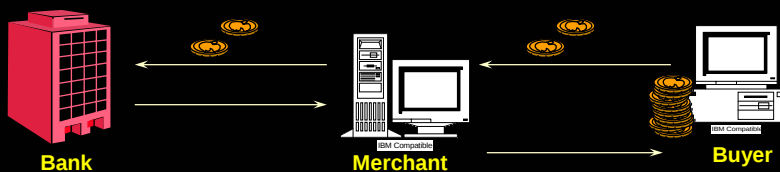
■ Making a Payment

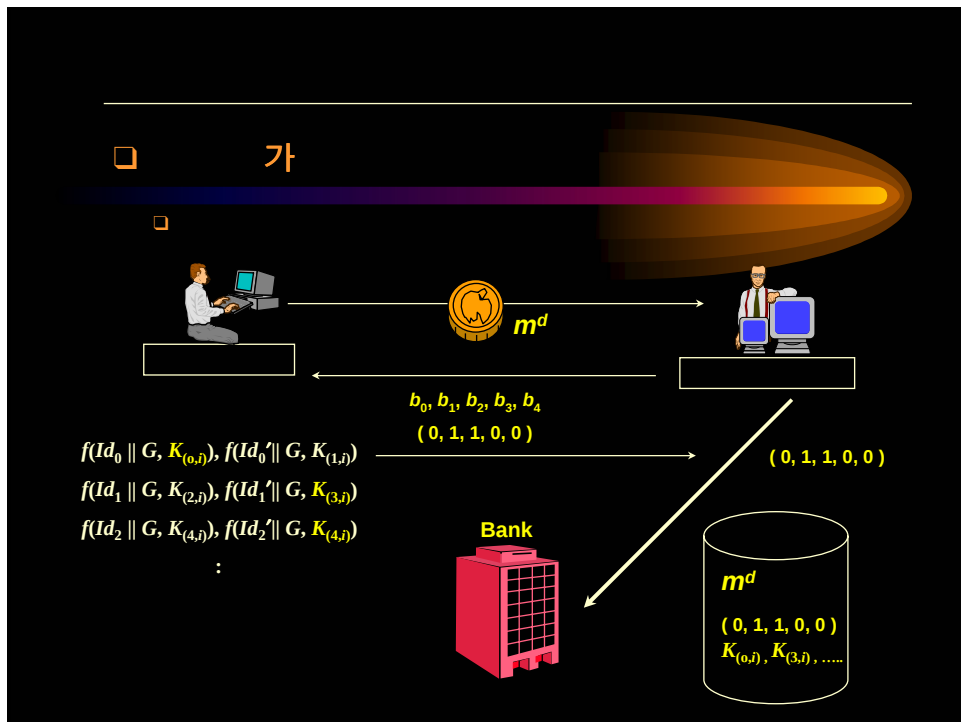
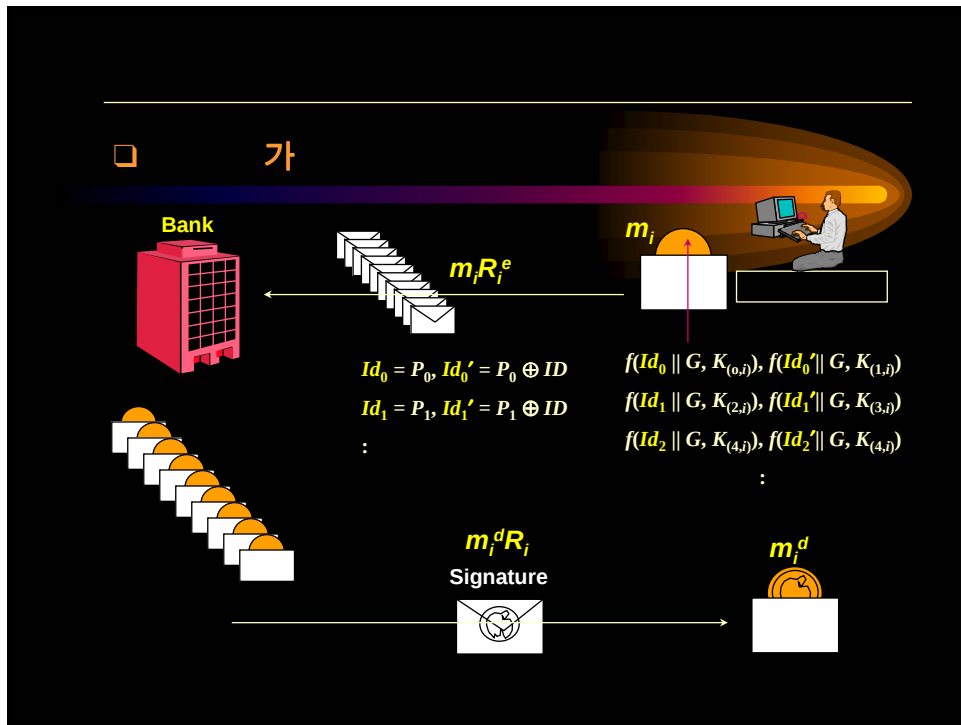


The dialog box titled "Ecash request" contains the following information:

- Incoming payment request:**
- Shop account ID: Tictactoe@digicash.com
- Payment amount: \$0.02
- Payment description: start.html

Buttons: Policy..., Make this payment?, No, Yes







(Micro Payment System)

- ❑ Millicent
- ❑ PayWord
- ❑ MicroMint
- ❑ Subscript

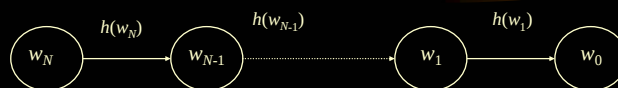
❑ PayWord

- ❑ Rivest and Shamir,
- ❑
- ❑ PayWord

$Cert = [Broker, Customer, Address, P_C, Expiry, Info]S_B$

❑ PayWord

❑ PayWord Chain



❑ PayWord Chain

