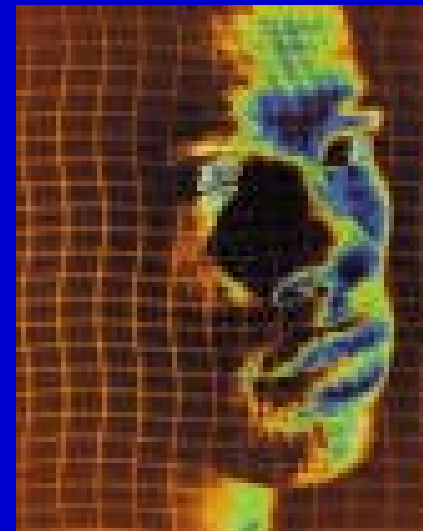


Why does biometrics eliminate identity theft?

Biometric Consortium 2004
Conference



By Oscar (Oz) Pieper



Why Biometrics Works

- MasterCard understood why positive authentication is a must 8 years ago
- Financial applications are covered
- Financial environments are covered
- Many biometric solutions are applicable
- Future payment systems will be very robust and flexible

Positive Authentication

Is the Key



- A must to  fraud
- Other Required Security Features Include...
 - Encryption to protect viewing the data
 - Authorization based on size and risk
 - Integrity to eliminate altering data
 - Audit trail to stop repudiation
- Future systems include all of the above elements

Financial Applications

- Retail EFT

- Credit

- Debit



- Checking and Savings

- Loan Processing

- Wholesale EFT

- Letters of Credit

- Wire Transfers



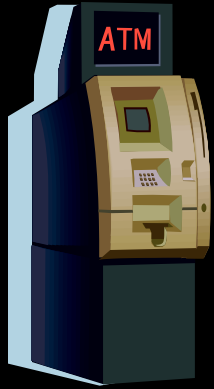
- Change of address

- New Accounts

Covered Enviornments

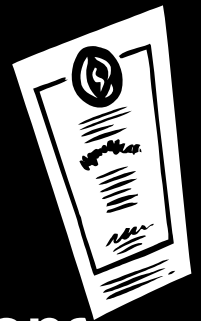


• Point of Sale Transactions

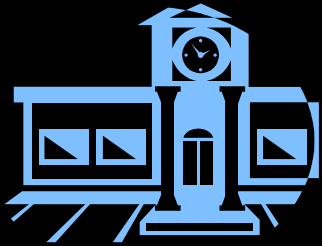


• Automated and Manual Tellers

• Internet Transactions



• Financial Branch Transactions



• Brokerage and Insurance Transactions

• Other Financial Transaction Environments

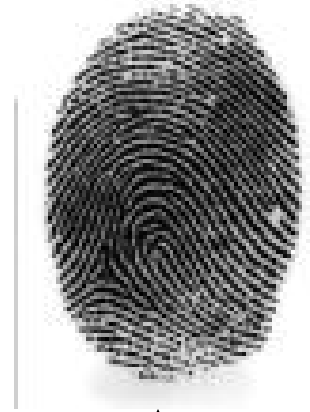


Biometric Solutions

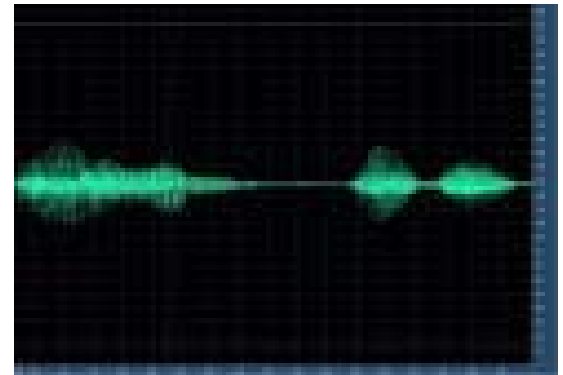


FACE

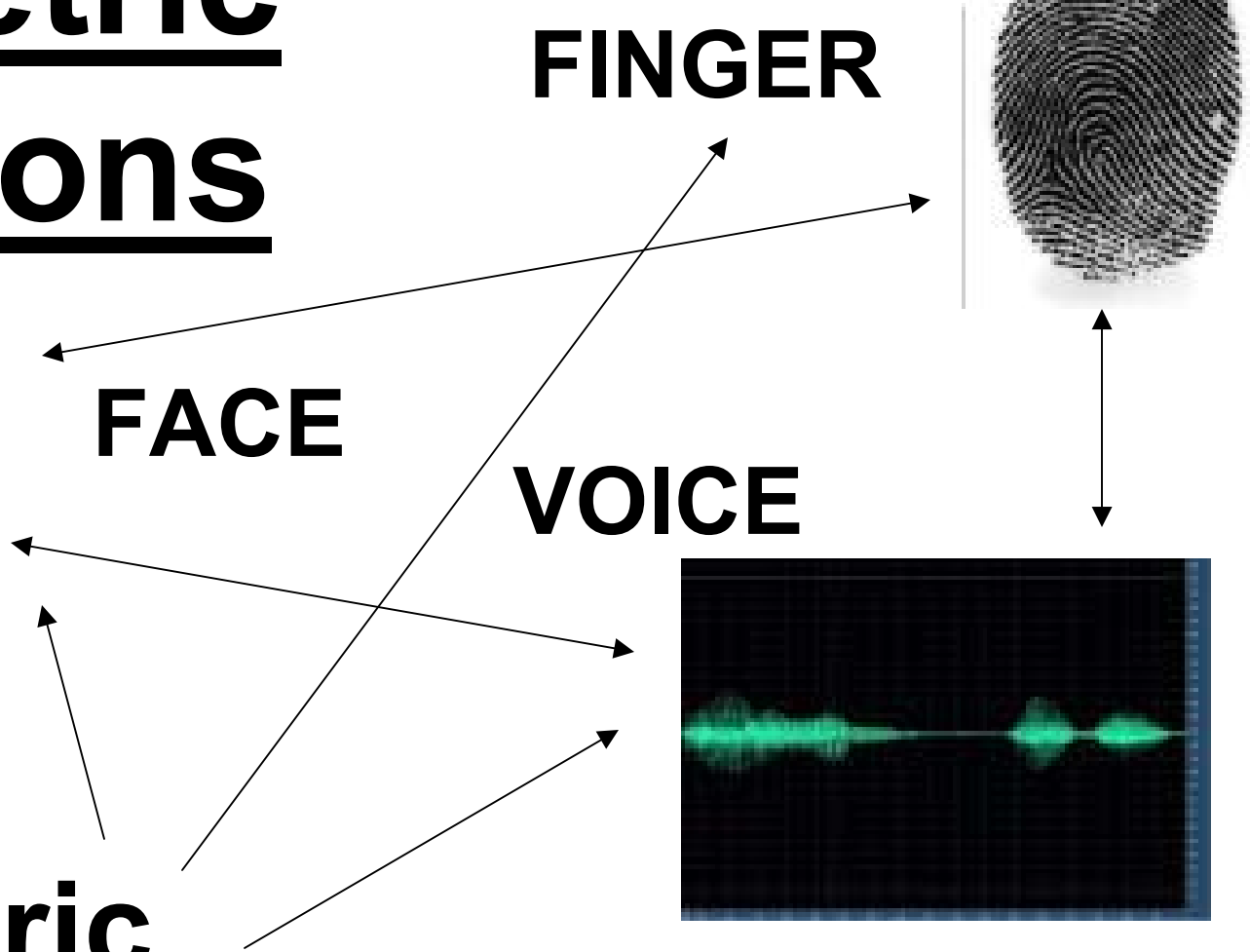
FINGER



VOICE



Biometric Interoperability



Future Payment Systems

- Replacement of the Card



- Tomorrows Mobile Computer Cellular Systems

- Multifunction device for use in all financial transactions



Contact Point

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