

**5th Annual Smart Cards In Government
Conference
April 20, 2006**

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Document Analyst
US Secret Service
Forensic Services Division**



Forensic Services Division

- June 6, 1983 – Forensic Services Division (FSD) established.
- July 10, 1998 – FSD awarded the Certificate of Accreditation from The American Society of Crime Laboratory Directors in the disciplines of Questioned Documents and Latent Prints.

FSD Today

A state of the art forensic laboratory employing world renown Forensic Document Examiners, Fingerprint Specialists, Polygraphers, Photographers, Imaging and Audio Specialists, and Graphic Artists.

Forensic Document Laboratory Capabilities

- Questioned Documents
- Latent Prints
- Document Chemistry
- High End Digital Imaging
- Scene Processing



Types of Criminal Activities



- Counterfeiting (currency, travelers checks, business checks, identifications, pharmaceuticals, & tickets)
- Death threats and Bio-Chem Hoaxes
- Child Pornography

Counterfeit Tickets

050571 Depalma Tower
 SEC G ROW 44 SEAT 5
 EST.PRICE \$154.93 STATE TAX \$10.07 TOTAL \$165.00

47TH ANNUAL DAYTONA 500 THE GREAT AMERICAN RACE 2005

DAYTONA 500 • FEBRUARY 20, 2005

040474 A

7952635 Depalma Tower 04267

050571
 SEC G ROW 44 SEAT 5
 EST.PRICE \$154.93 STATE TAX \$10.07 TOTAL \$165.00

NCAA
2005 FINAL FOUR
 ST. LOUIS

2005 FINAL FOUR SEMIFINALS
Saturday, April 2
 EDWARD JONES DOME

CONCOURSE LEVEL \$90.00
154F GG 14
 SECTION ROW SEAT

NO REFUND OR EXCHANGES
 641107175476

641107175476

CONCOURSE LEVEL \$90.00
154F GG 14
 SECTION ROW SEAT

NO REFUND OR EXCHANGES

2005 FINAL FOUR SEMIFINALS
Saturday, April 2

SUNDAY
 2005 NBA ALL★STAR GAME
 PEPSI CENTER FEBRUARY 20 6PM

SEC 122 ROW BB SEAT 17
 \$300 (tax included)

ALL★STAR GAME

SEC 122 ROW BB SEAT 17
 \$300 (tax included)

901477418365

B 611 G 14
 GATE SECTION ROW SEAT
 UPPER LEVEL

SUPER BOWL XXXVIII
 HOUSTON

58-4-1 K03
 AFC-NFC World Championship Game
 Sunday, February 1, 2004 • 5:00 P.M.
 Reliant Stadium, Houston

\$500 EXEMPT FROM TEXAS STATE SALES TAX
 GATES OPEN AT 1:00 P.M.

Super Bowl XXXVIII
 Sunday, February 1, 2004 • 5:00 P.M.
 Reliant Stadium, Houston
 \$500 (EXEMPT FROM TEXAS STATE SALES TAX)

UPPER LEVEL
 GATE SECTION ROW SEAT
 B 611 G 14

235221967453 58-4-1

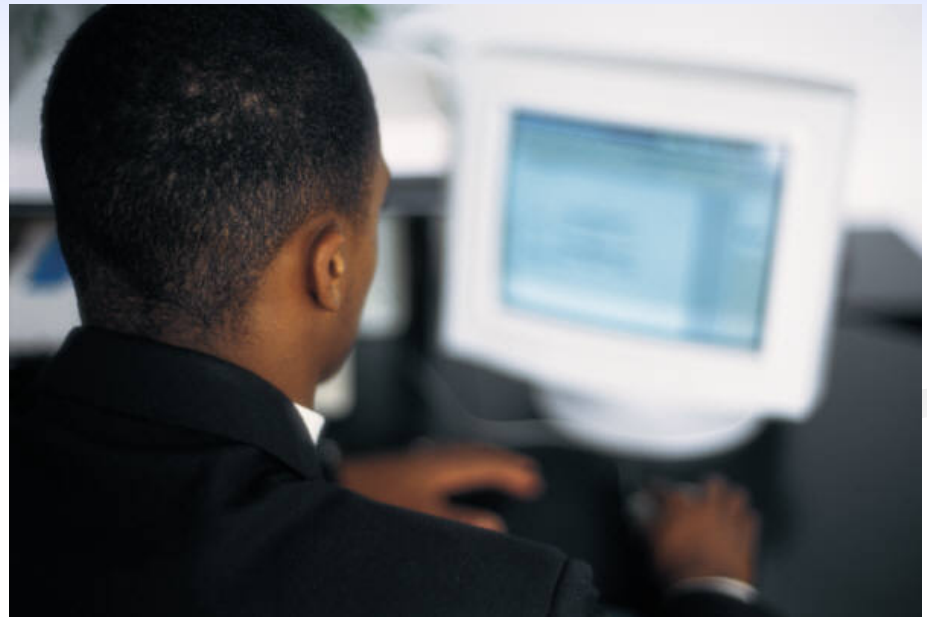
Other Types of Criminal Activities

- Business related documents (e.g. contracts and record keeping)
- Criminal record keeping/notes (e.g. terrorist-related material)
- Last Will and Testament
- Organized Retail Crime

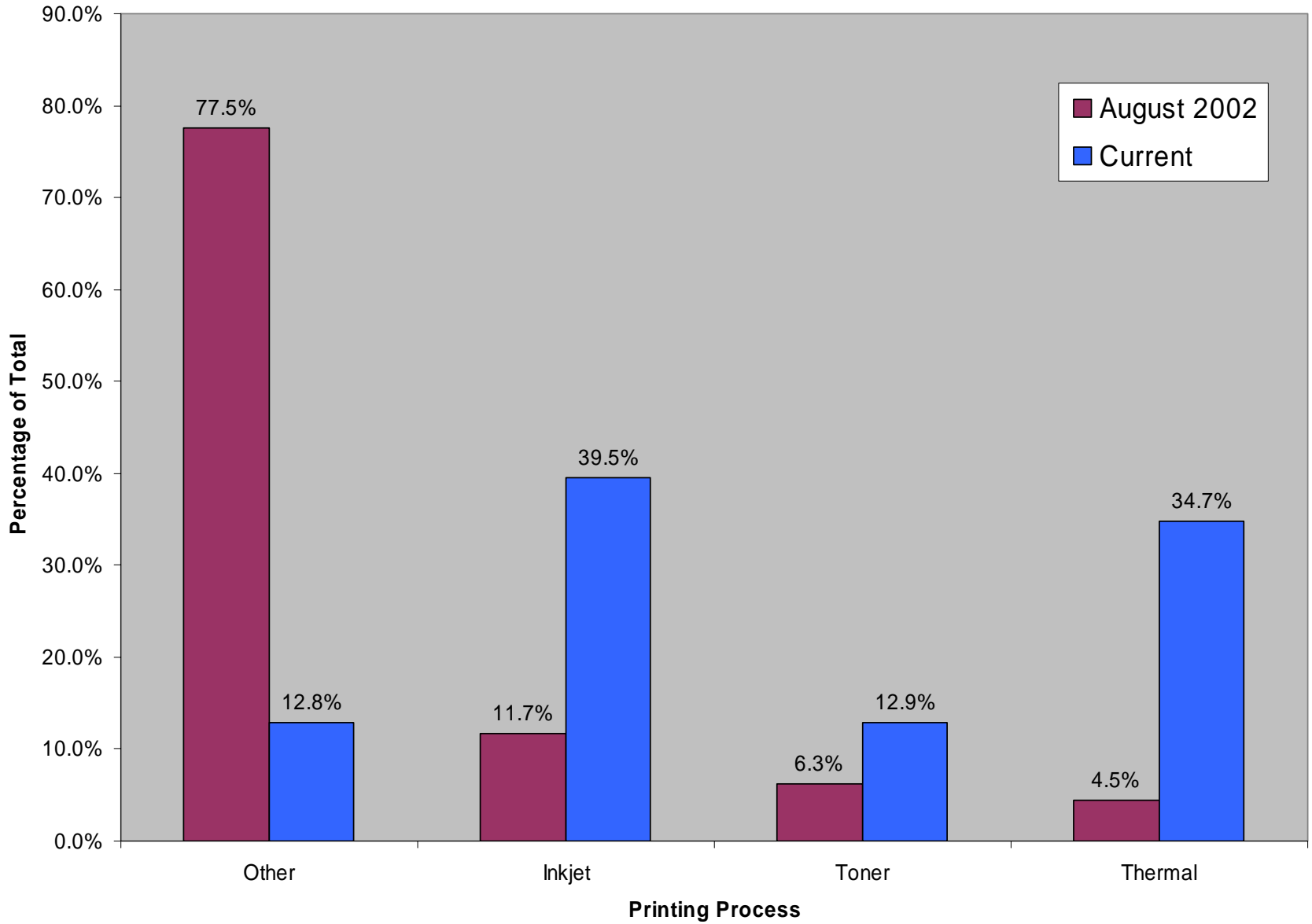


What else are we seeing?

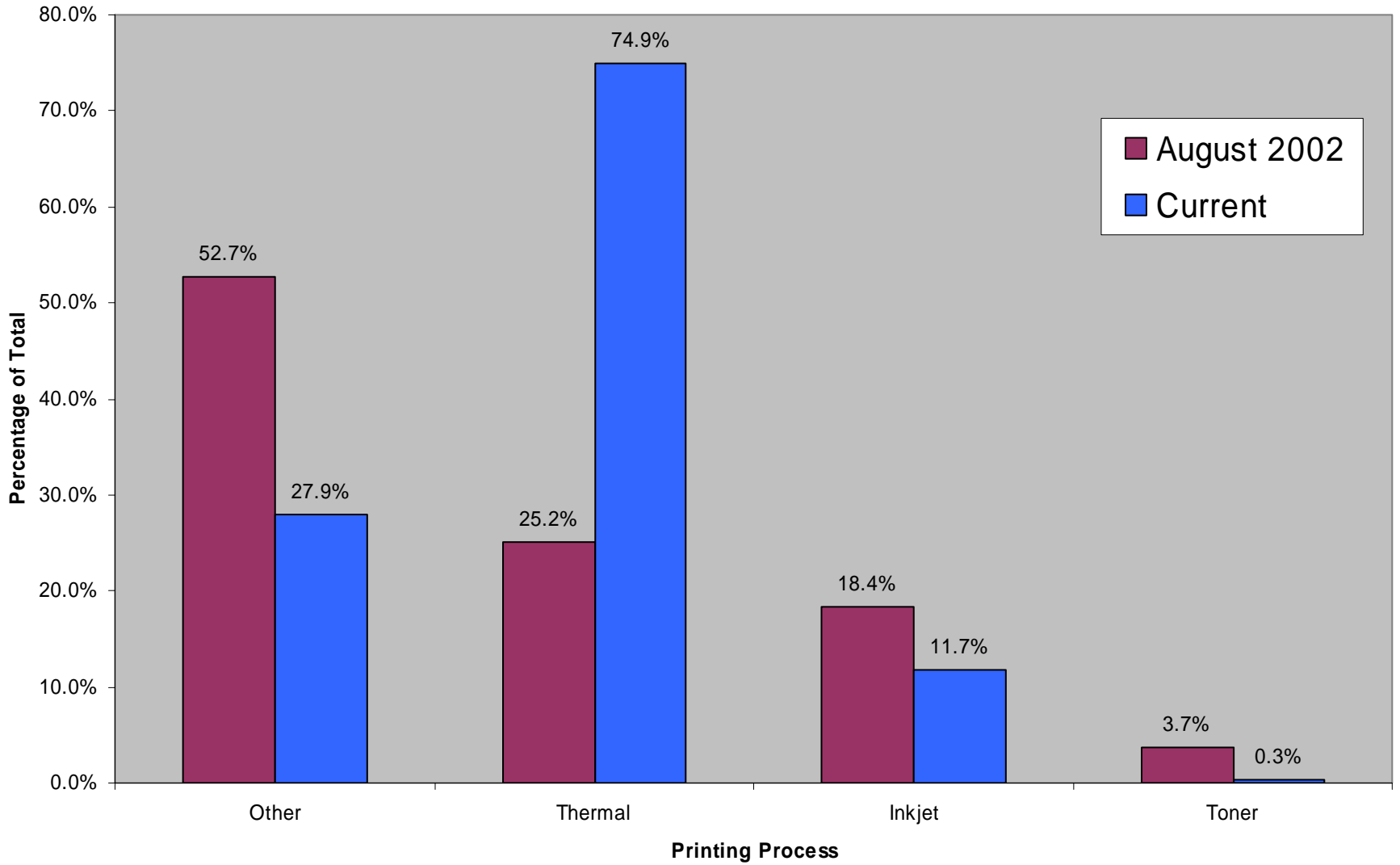
- Computer generated (or obtained) false identity documents.
- False documents to include:
 - Birth Certificates
 - Social Security Cards
 - Driver's Licenses
 - Traveler's Checks
 - Credit Cards
 - Passports/Travel Documents



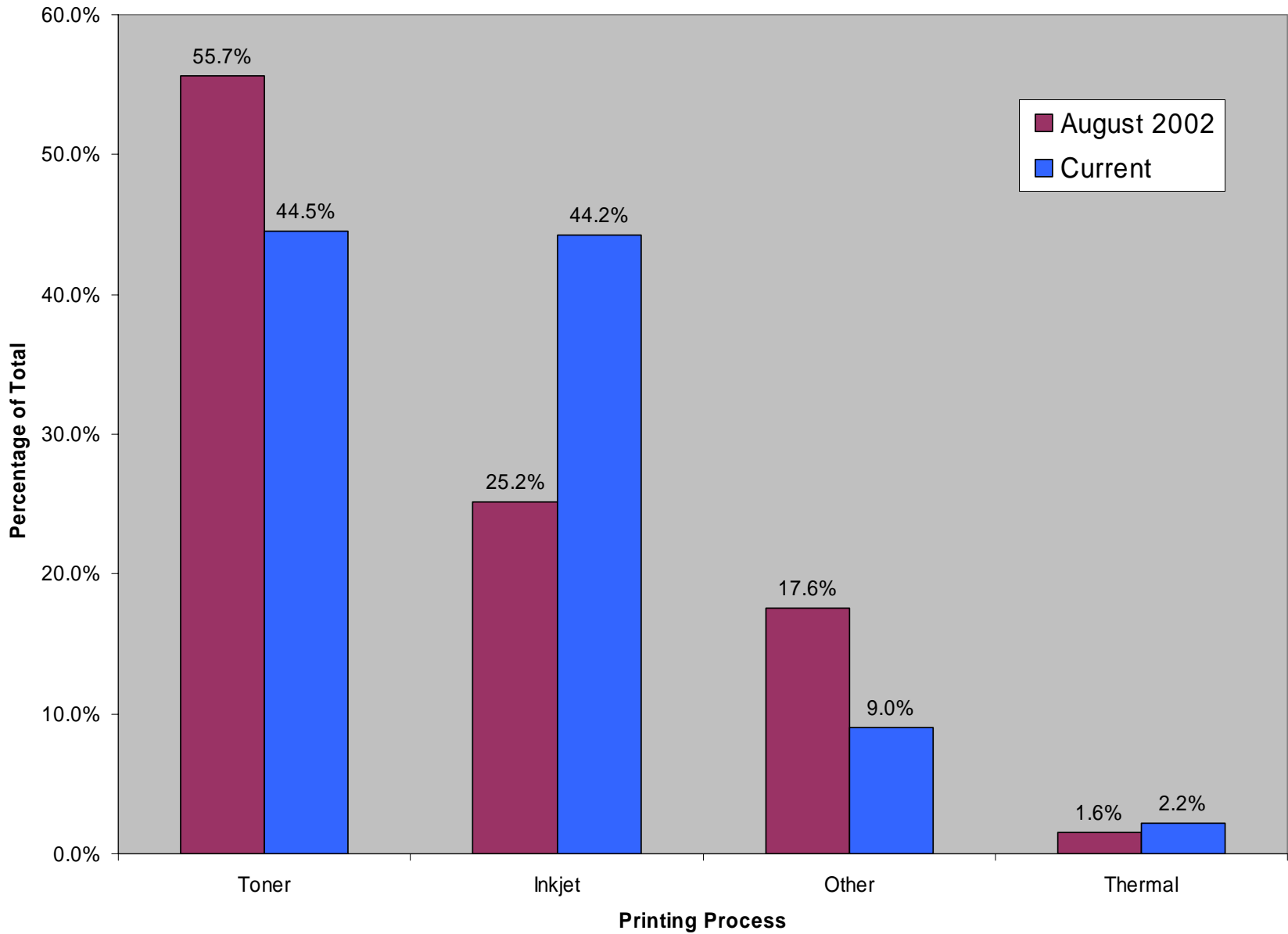
COUNTERFEIT DRIVERS LICENSE/IDENTIFICATION



COUNTERFEIT CREDIT CARDS



COUNTERFEIT TRAVELERS CHECKS



**The Questioned
Identification Document
(QID) Database and the
Optical Imaging Station
(OIS)**

QID Overview

- **Secure remote submission of questioned documents**
- **Forensic review of submissions by USSS**
- **Analysis of links between counterfeit documents**

QID Goals

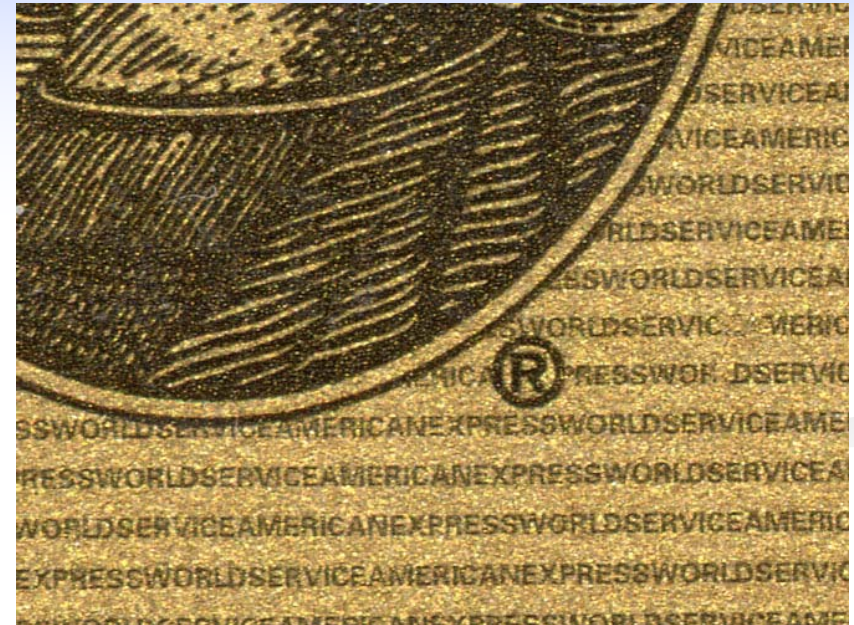
- **Provide functions to support many document classes, subclasses and kinds**
- **Provide simple document entry process for non forensic users**
- **Central review of suspected counterfeits by forensic experts**
- **Analysis of links between counterfeit documents**

OIS System

- ❖ **The Optical Imaging Station (OIS) is capable of capturing data:**
 - **1D and 2D barcode information**
 - **magnetic stripe data**
- ❖ **The OIS is capable of capturing images:**
 - **1200 dpi images of documents**
 - **1200 dpi images of regions of interest/ security features**
 - **Ultraviolet Printing on Documents**
 - **Ultraviolet Fibers**
 - **2D Holograms**
 - **3D Holograms**

OIS Image Capture

300 dpi and 1200 dpi

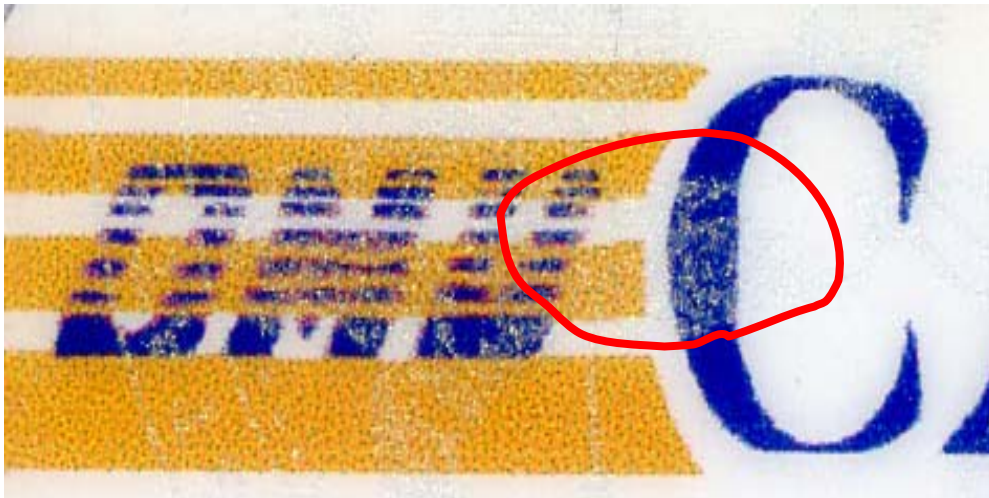


- ❖ The OIS User Interface allows the User to select the marked area of interest to be scanned at 1200 DPI
- ❖ The subsequent scan is detailed enough to examine the microprint of the AMEX Card and determine the microprint is a Genuine feature

Using QID Database – Comparison can be made onscreen with Genuine

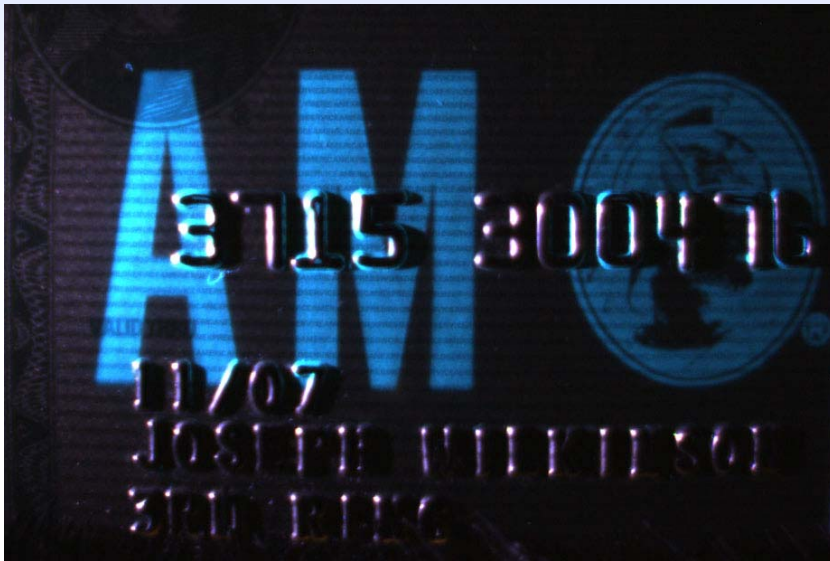


- ❖ California Driver's License
- ❖ Genuine



- ❖ California Driver's License
- ❖ Counterfeit
- ❖ The indicated area has been produced by an inkjet printer

UV Printing



UV printing



UV fluorescent fibers

The UV Light reveals the presence of UV Ink and UV fibers

3D Hologram



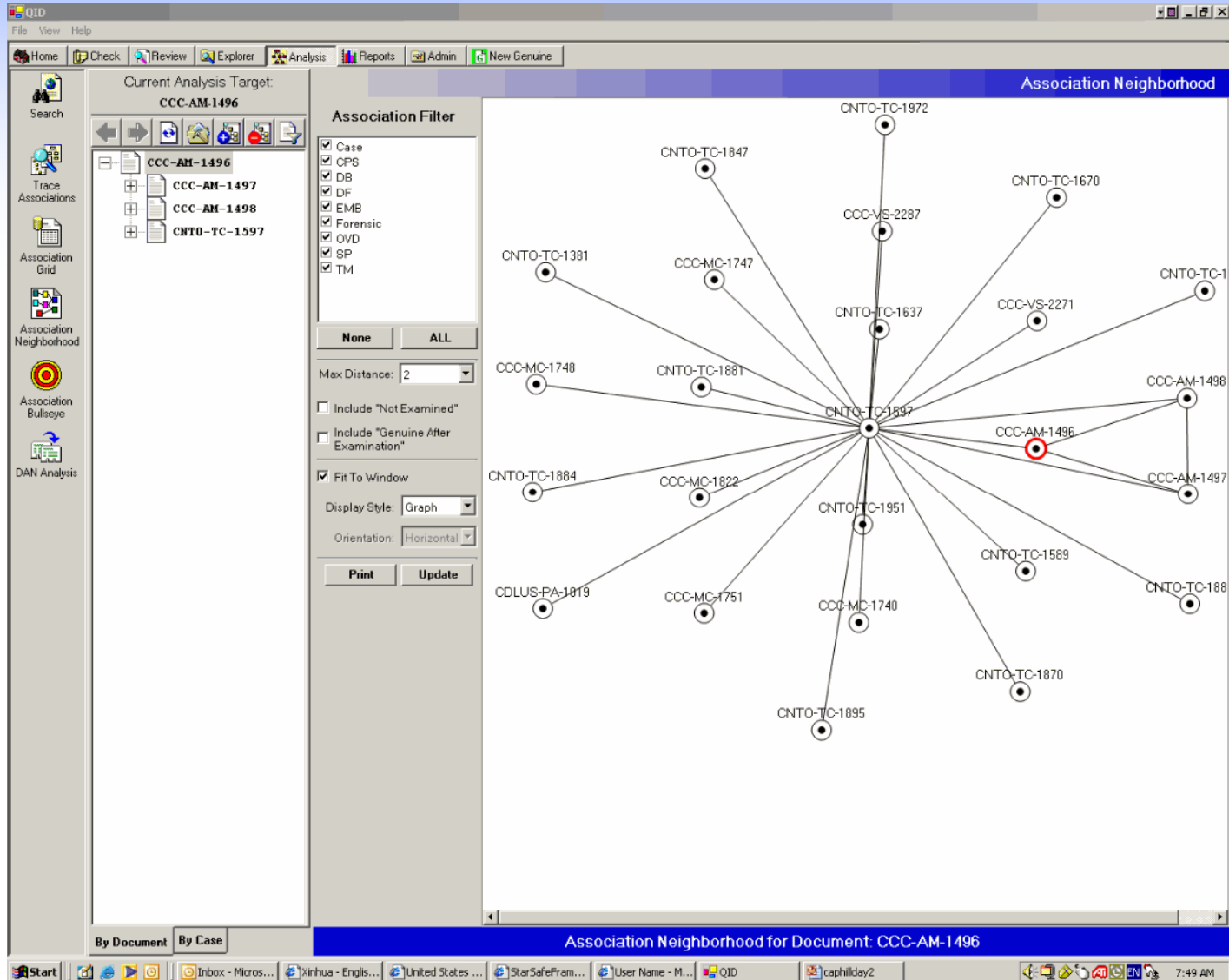
3D Holograms exhibit motion and color

OVD Station – Counterfeit Holograms



Examples of Counterfeit Holograms Captured using
the OVD Station

Association Neighborhood



DSA Timeline

- Ad hoc group started in December 2001
- Group named “**Document Security Alliance**”
- Membership today – Includes more than 70 companies and 20 government agencies
- Website started 2003 –
www.documentsecurityalliance.com
- Capitol Hill Day – July 15, 2004 & April 25, 2006
- 18 Meetings
- 6 White papers

Government & Association Members

- U.S. Secret Service
 - Forensic Services Division
 - Information Resource Management
 - Criminal Investigative Division
 - Dignitary Protective Division
- U.S. Department of Homeland Security
 - U.S. Citizenship and Immigration Services (formerly INS)
 - Transportation Security Administration
- U.S. Government Printing Office
- Social Security Administration
- Bureau of Engraving and Printing
- U.S. Department of State
- New York State DMV
- Food and Drug Administration – Office of Criminal Investigations
- General Services Administration (GSA)
- AAMVA - American Association of Motor Vehicle Administrators
- National Academy of Sciences
- Federal Bureau of Investigation
- U.S. Postal Inspection Service
- National Center for Health Statistics
- U.S. Customs and Enforcement Forensic Laboratory
- U.S. Department of Treasury
- The White House

Private Sector Members

- 3M
- Advantage ID Technologies
- American Banknote Holographics, Inc.
- Anteon Corporation
- Appleton Security Products
- ArjoWiggins USA, Inc.
- Arthur Blank & Co.
- ASSA ABLOY Identification Technology Group (ITG)
- AssureTec Systems, Inc.
- Axalto - Schlumberger
- Banknote Corporation of America, Inc.
- Chesapeake Resource Group LLC
- CompoSecure LLC
- Cubic Corporation
- Datatrac Information Services, Inc.
- DeLaRue Global Services
- Digimarc
- Digimarc ID Systems Group
- Digital Identification Solutions
- DNP IMS America / The Dai Nippon Printing Group
- D.S.T. – Diverse Security Technologies Inc.
- Fargo Electronics, Inc.
- Fasver Technology, Inc.
- Flex Products, Inc. / JDS Uniphase
- Foster & Freeman Limited
- Gans Security Inks Division
- Giesecke & Devrient
- Harris Corporation
- Hologram Industries North America
- ImageWare Systems, Inc.
- Infineon Technologies
- InkSure Inc.

Private Sector Members continued

- Intelli-Check, Inc.
- International Security Products
- ITW HoloPak
- ITW Meyercord Revenue
- Kanematsu USA Inc / Team Nisca
- Kurz Transfer Products L.P.
- Laminex, Inc.
- LaserCard Systems Corporation
- LJB Associates Ltd.
- MAXIMUS Inc.
- Midwest Bank Note Company
- Moore Wallace North America
- Nanoventions
- NASPO
- Northrup Grumman IT
- Northstar
- Oberthur Card Systems
- Plastag Corporation
- Plastic Card Systems Inc.
- SAIC - Science Applications International Corporation
- Secugraphics Inc.
- Secura Monde International
- Secure Products
- SICPA Securink Corporation
- Synercard Corporation
- TransTech Systems, Inc.
- Unisys Corporation
- VIVOconcepts, Inc.
- VeriFone, Inc.
- Viisage Technology, Inc.
- Xtec, Inc.
- Zebra Atlantek
- Zebra Technologies / Eltron

Thank You!



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