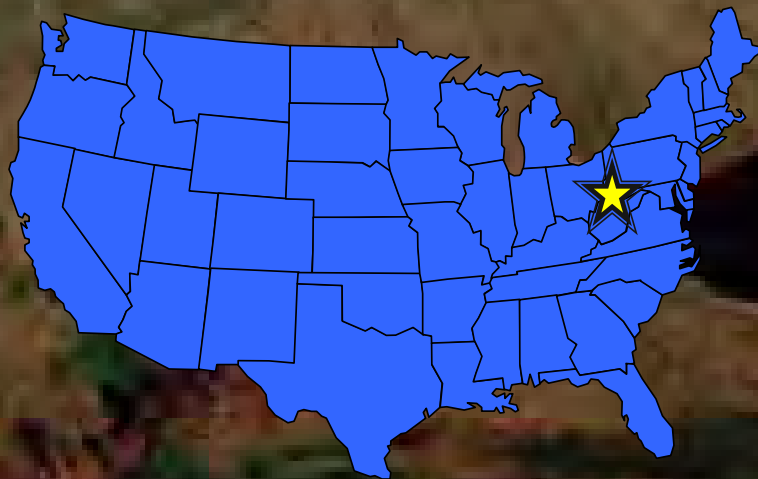




# *The Modern "TENPRINT" Examiner*



***CJIS DIVISION FACILITY  
CLARKSBURG, WV  
Customer Service  
304-625-5590***



# THE BIOMETRIC SERVICES SECTION



***“To provide person-centric identification services that support law enforcement communities and their partners in safeguarding the public against terrorist and criminal activity.”***

# WHAT IS A “TENPRINT”

**Defined by the SWGFAST :**

## **TENPRINT**

- 1 - A generic reference to examinations performed on intentionally recorded friction ridge impressions, usually ten fingers.**
- 2 - A controlled recording of available fingers of an individual using black ink, electronic imaging, photography, or other medium on a contrasting background.**

## **LATENT PRINT**

- 1 - Transferred impression of friction ridge detail not readily visible.**
- 2 - Generic term used for questioned friction ridge detail.**

# TENPRINT FINGERPRINT IDENTIFICATION SERVICES

- The BSS offers tenprint based fingerprint identification services in a *24 x 7 operation*
  - Arrests
  - Criminal Inquiries
  - Employment & Licensing Checks for authorized agencies (agencies with a valid ORI number)
  - Humanitarian (Known/Unknown Deceased, Amnesia Victims)
  - FOI and Appeals
  - Records Testimony for authorized agencies
  - NICS “Gun Checks”

# Myth #1

Tenprint Examiners always have 10 fingerprints to compare.

## FACT

**CJIS Fingerprint Examiners regularly receive submissions with less than ten images**

- electronically;
- On R-84 Disposition Forms;
- on immigration/deportation forms;
- on sex offender registration forms;
- on prison registration forms;
- on checks and
- on pawn slips, etc.

# FACT

- **An average of 100 new records are added to the Criminal Master File (CMF) with four or more fingers missing per week.**
  - **Approximately 400 per month**
  - **Approximately 4800 per year**

## **Myth #2**

**Tenprint Examiners always get submissions that are clear and fully rolled.**

**FACT**

### **STATS:**

**For FY 2010, thru April 30, we have completed 19,580,378 type-14 (“flat”) submissions, average of 92,360 per day.**

- **DHS (Customs and Border Protection)**
- **U.S. Customs**
- **New York Clearing House Association**
- **Ohio Bureau of Criminal Identification and Investigation**
- **Transportation Workers Identification Credential (TWIC)**
- **U.S. VISIT Program**

# **Type 14 Submissions**

- **A “Type -14” is a tenprint submission for which a contributor captures only the plain impressions of a subject via Live Scan.**
- **The software associated with the Live Scan equipment automatically segments each individual plain impression image, and transfers, or “populates,” each individual plain impression image to its corresponding rolled impression block.**
- **This type of submission can be easily recognized, due to the fact, that if recorded correctly, any rolled impression and its corresponding plain impression appear to be exact duplicates.**



# FACT

- **70% of electronic submissions are handled by the IAFIS. The remaining 30% are handled by humans.**
  - These are the most “difficult” comparisons and are unable to be processed by the IAFIS.
- **More than 50% of the submissions that are compared by our Examiners are Type-14.**
  - These are “flat” prints, have legibility issues, and do not contain fully rolled images.

## Myth #3

The IAFIS does all (most) of the work in a “lights out” situation.

### FACT

As of April 30, 2010, there are approximately:

170 Fingerprint Examiners on DF

95 Fingerprint Examiners on NF

85 Fingerprint Examiners on MF

350

# FACT

- **350 Examiners compare approximately 30% (53,000) of the tenprint submissions per day. (Given the IAFIS processes approximately 70%)**
- **This equates to approximately 151 tenprint submissions per Examiner, per day.**
- **If you assume each Examiner sees 10 fingers on every one of their 151 submissions, they could conceivably be making 1510 comparisons per day.**

# **FACT**

**There are four main scenarios in “tenprint” identification:**

- 1 - No Humans "Lights Out" - The threshold score would be 20,000 to 64,800.**
- 2 - One Human Examiner - The threshold score would be 16,000 to 19,999.**

# FACT

**3 - Two Human Examiners - The threshold score would be 15,999 and below.**

- non-identifications are verified with a score above 4000. (The system thinks its a “non-identification,” but the score was above 4000, so an Examiner will verify/look at the submission)**

# FACT

- 4 - "Manual" (vs. electronic) comparison - In these cases, a full ACE-V is performed.**
- "Specialty Groups" perform manual comparisons on a daily basis.**
  - All of our testimony requests are handled manually, with a manual comparison. We average approx 4 requests/cases per month.**
  - Examiners perform manual file searches on IAFIS non-ident deceased submissions in the Civil Files.**

**“SPECIALTY GROUPS”**

# **Special Processing Center (SPC)**

- **Handles “special” submissions that are not electronically or manually submitted for an IAFIS search.**
  - facsimile,
  - e-mail
  - Telephone
  - “walk through”
- **These are primarily for:**
  - Fugitives
  - Criminal Inquiries
  - Humanitarian (Known/Unknown Deceased, Amnesia Victims)
  - Urgents/Disaster Prints



# **Records Testimony Group**

- **Handles requests for written and/or verbal testimony in support of tenprint fingerprints and/or records**
  - **facsimile**
  - **FedEx**
  - **Electronic Communication (EC)**
  - **Telephone**
  - **“walk throughs”**

# Records Testimony Group

- **Receives a variety of fingerprints to compare**
  - Traditional tenprint cards
  - Deceased fingerprints
  - Single finger I-205 Alien Registration forms
  - Single finger I-294 Alien Deportation forms
  - One and Two fingers on Sex Offender Registration (SOR) forms
  - One and Two fingers on prison registration forms
  - Single fingerprint on checks
  - Single fingerprint on DNA Registration Card

# Quality Assurance Group

- **Approximately 15% of work processed by a human is randomly checked for quality in compliance with CJIS processing standards.**

# Training

- **Four Tiers**

- **Tier one** = “Basic Training” 20 weeks (16 weeks classroom instruction and hands on manual and automated training with 4 weeks transition to “live” work)
- **Tier two** = “FBI Friction Ridge Certification” (after two years of experience, tested)
- **Tier three** = “IAI Tenprint Certification” (voluntary participation after successful completion of tier 2)
- **Tier four** = “FBI Records Testimony Certification” (CJIS and Laboratory training)

# Tenprint “Acceptance”

- IAI Resolution – tenprint examiners employ the same methodology as latent print examiners.
- SWGFAST – establishment of the “Standing Tenprint Committee.” Several dual documents released.
- NAS Report – recommendations apply to tenprint examiners.
- IPES – Inclusion of “tenprint” examiners in the planning and execution of this event.
- IWGs – Inclusion of “tenprint” examiners. CJIS conducting a survey to determine the number of tenprint and latent examiners in the US. (ORI)

# **Current Initiatives**

- **Latent Support Unit**
- **Laboratory Accreditation**
- **WVU Degree Completion Program**
- **BCOE**
- **Code of Ethics Document**

# STATISTICS

# STATISTICS

- **The IAFIS searches the fingerprints of over 66.3 million subjects in the National Criminal History Record File (over 260 million arrest cycles)**
- **The civil file contains an estimated 25.8 million subjects.**
- **Information is submitted by over 86,000 criminal justice agencies (international, federal, state, and local)**



# STATISTICS

- **Repository increases by 8,000 – 10,000 subjects daily**
- **Repository includes approximately:**
  - **622,188 Active Wants**
  - **535,982 Sex Offenders**
- **Interstate Photo File has 8,954,434 photos for over 5,271,469 records**
- **27,086 fugitives were identified in March as a result of tenprint processing**

# **STATISTICS**

## **Yearly Volume Tenprint Fingerprint Submissions to IAFIS:**

- Fiscal Year 2010 to date – 29.4 million**
- Fiscal Year 2009 – 52.7 million**
- Fiscal Year 2008 – 35.5 million**

**Average monthly transaction volume – 177,000 per day**

- 568 average daily latent investigative services**

# STATISTICS

- **Record High Receipts –  
04/30/2010 – 300,113 within 24 hours**
- **Record High Completions –  
04/30/2010 – 297,816 within 24 hours**

# STATISTICS

**As of March 31, 2010:**

- **Tenprint Criminal Submission Rate (related to arrests, inquiries, etc.) – 57.49%**
  - **97.97% submitted electronically**
- **Tenprint Civil Submission Rate (related to employment/licensing screening, etc.) – 42.51%**
  - **97.41% submitted electronically**
- **Electronic fingerprint submission rate – 97.77%**
- **Paper fingerprint submission rate – 2.23%**

# STATISTICS

**As of April 30, 2010:**

- **The identification rate for criminal submissions is 22.01%**
- **The identification rate for civil submissions is 10.22%**

# **STATISTICS**

**Response times:**

## **Criminal Electronic (CAR) Fingerprint Submissions**

- Average Response Time - 10 minutes & 06 seconds with 99.16% completed within 2 hours**

## **Civil Electronic Fingerprint Submissions**

- Average Response Time – 1 hour, 11 minutes & 54 seconds with 99.78% completed within 24 hours**

# STATISTICS

**Response times:**

## **Electronic Non-Federal User Fee (NFUE) Fingerprint Submissions**

- Average Response Time - 2 minutes & 22 seconds with 99.56% completed within 15 minutes

## **Criminal Fingerprint Card Processing Non-Urgent (CPNU) Submissions**

- Average Response Time – 1 hour, 23 minutes & 06 seconds with 100% completed within 24 hours

# **Contact Information**

**David R. Cotton, CFRE/CTPE**

**Training Administrator**

**Biometric Services Section**

**FBI/CJIS Division**

**[david.cotton@ic.fbi.gov](mailto:david.cotton@ic.fbi.gov)**