“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.
• 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 it's a “non-identification,” but the score was above 4000, so an Examiner will verify/look at the submission)
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

• 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
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%
As of April 30, 2010:

• The identification rate for criminal submissions is 22.01%
• The identification rate for civil submissions is 10.22%
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
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

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