TAKING LEGIBLE

FINGERPRINTS



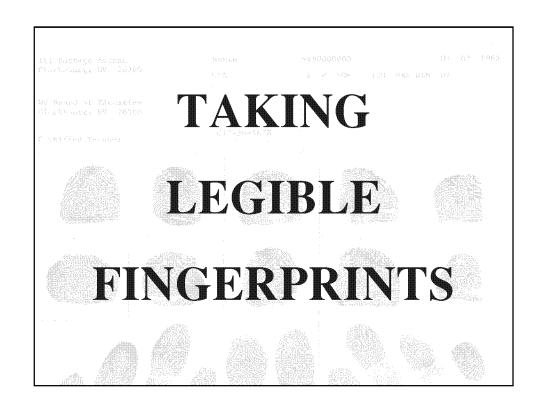
TAKING LEGIBLE FINGERPRINTS

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Taking Legible Fingerprints 01/2004

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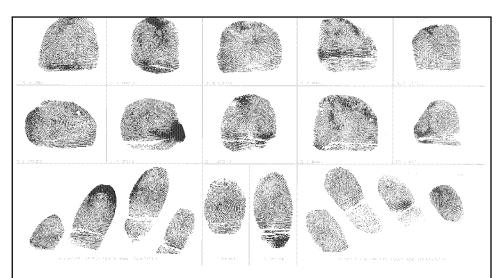


What Are Fingerprints

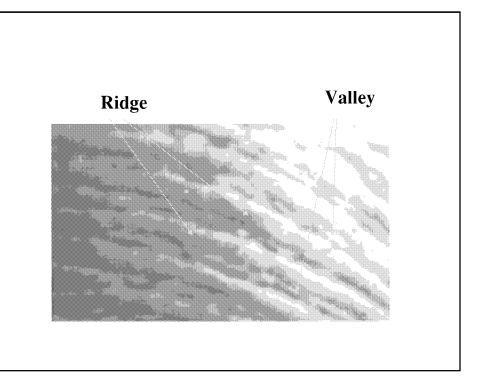
Fingerprints are the result of minute ridges and valleys found on the hand of every person. In the fingers and thumbs, these ridges form patterns of loops, whorls and arches.

The Fingerprint Pattern

The pattern is the unique characteristics of the ridges (lines) and valleys that make up the print. It is defined by the spatial relationship of lines with eachother, their beginning and terminating points, and the unique pattern they make.



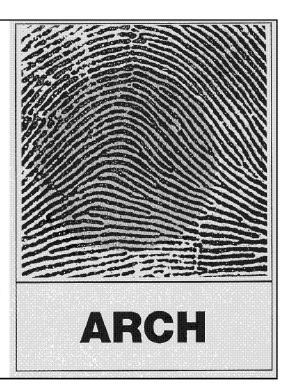
A good fingerprint image is an image that provides sufficient data to accurately identify and locate the principle features. In IAFIS, these features include minutiae, cores and deltas and ridges.



Arch Pattern

The ridges enter from one side, make a rise in the center and exit generally on opposite side.

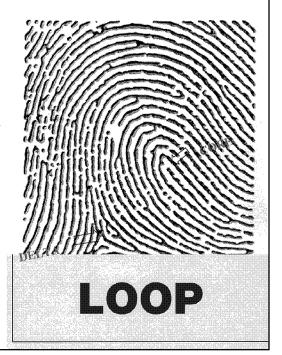
Arch Pattern has no delta or core; however, it too must be fully recorded for individual characteristics.



Loop Pattern

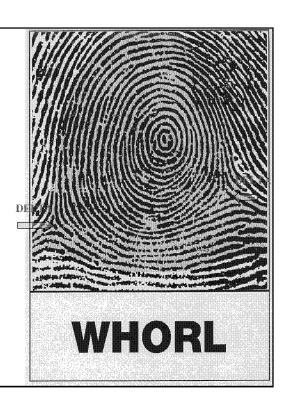
The ridges enter from either side, recurve and pass out or tend to pass out the same side they entered.

Focal points are the delta and core.



Whorl Pattern

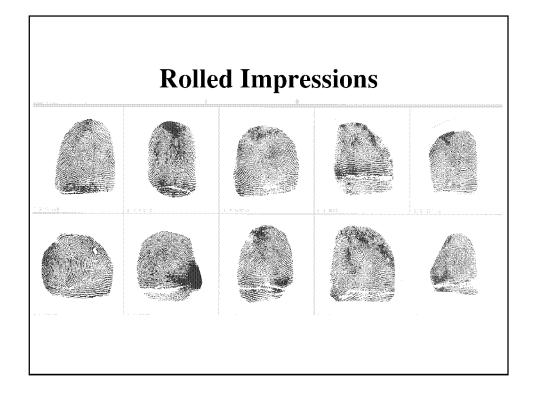
The ridges are usually circular. Whorl pattern will have two or more deltas. For a whorl pattern, all deltas and the areas between them must be recorded.



Fingerprint Impression Types

Two Types of Impressions

"Rolled" impressions are the upper ten impressions taken individually, which are the thumb, index, middle, ring and little fingers of each hand. These are referred to as "rolled" impressions because the fingers are rolled nail to nail in order to obtain all available ridge detail.

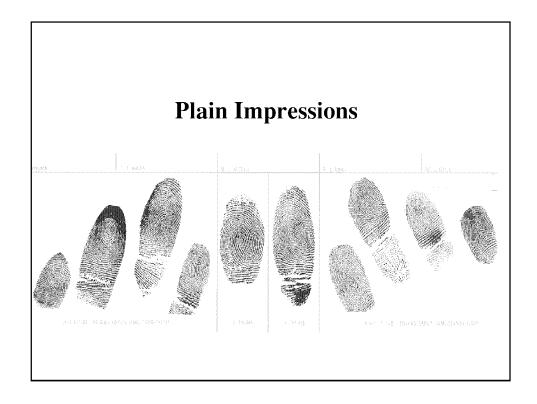


Fingerprint Impression Types

"Plain" impressions are the impressions at the bottom of the card taken simultaneously without rolling. The fingers of each hand are printed at a forty-five degree angle. The thumbs are printed simultaneously to ensure proper positioning.

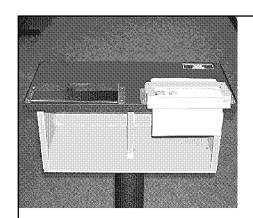
These are referred to as the "plain," slapped," or "flat impressions.

Plain impressions are used to verify the sequence and accuracy of the rolled impressions.



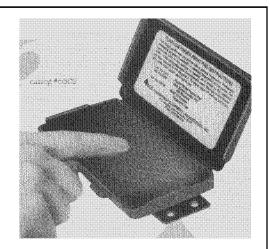
Basic Fingerprinting Equipment

Fingerprints can be recorded with any of the following materials:

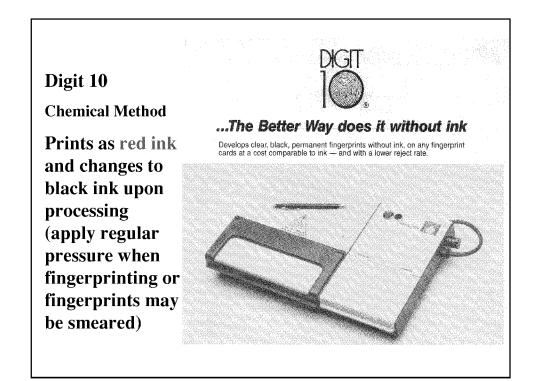


Ink (Black Printers Ink) and Paper (Standard Fingerprint Card, FD-249 Criminal Card or FD-258 Applicant Card).

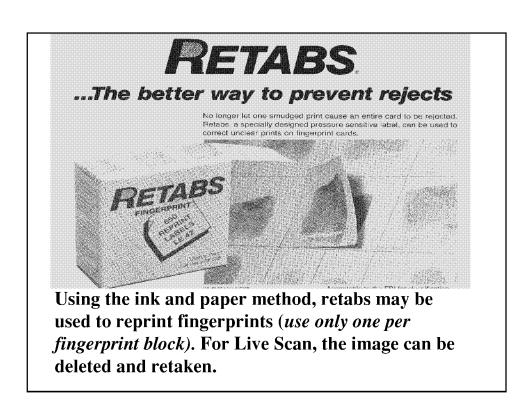
Porelon Pad
Contains a built-in ink supply.



Porelon Pad and Paper (Standard Fingerprint Card, FD-249 Criminal Card or FD-258 Applicant Card).







Live Scan

For a list of FBI Certified Live Scan and Card Scan devices see the <u>FBI Certified</u> <u>Equipment List</u> at www.fbi.gov

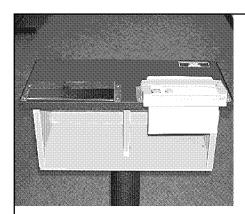
Follow the Electronic Fingerprint Transmission Specification Manual (EFTS)



Version 7.0 Dispertment of Jositive Four Bureau of Investigation CRIMINAL JUSTICE INFORMATION SERVICES (CJIS) ELECTRONIC FINGERPRINT TRANSMISSION SPECIFICATION JANUARY 1999 Preparal By: Lefteral Bureau of Investigation Critical Bureau of Investigation Critica

SUGGESTIONS FOR TAKING LEGIBLE FINGERPRINTS

- •Recommended height for fingerprinting is thirty-nine inches from floor
- •Fingers to be printed must be clean and dry. Wiping the individual's fingers with an alcohol swab and then drying them should prevent perspiration from being a problem.
- •Individual's occupation may have caused a wearing down or rough surface on the fingerprints. Use a softening agent or ridge builder to enhance the ridge detail.



Recommended height for fingerprinting stand is thirtynine inches from floor

Common Problem:

Sweaty Hands

Solution:

- Individually Wipe Fingers with alcohol

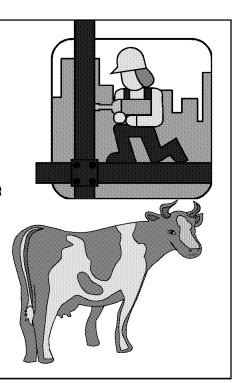


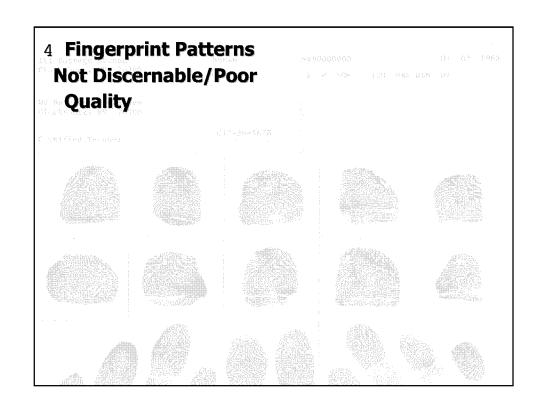
Common Problem:

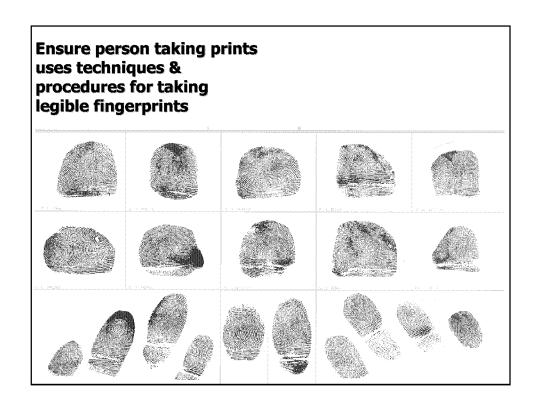
Occupational Hands

Solution:

- Apply Less Pressure
- Softening Agents
- Ridge Builder
- Milk the fingers







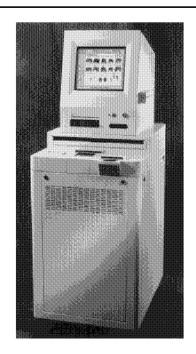
Common Problems: Live Scan

Equipment Related

- •Regular Maintenance (cleaning)
- Calibration
- •Refer to the EFTS Manual

Fingerprint Related

• Same as ink



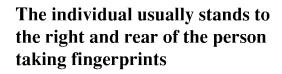
Common Problems Regarding Image Quality

4 Equipment Related

Each agency must contact their vendor to ensure their equipment is in compliance with parameters for image compression.

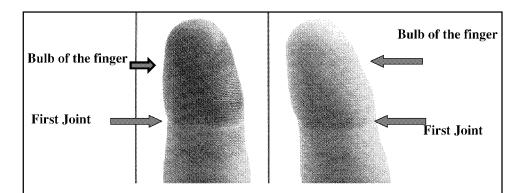


Steps for Fingerprinting



The individual being fingerprinted should be asked to stand in front of and at a forearm's length from the fingerprinting device

- •Encourage the individual being fingerprinted to relax and look at some distant object which may distract them from what you are doing.
- •Grasp the individual's right hand at the base of the thumb with your right hand. Guide the finger being printed with your left hand, cupping your hand over the individual's other fingers.



If using the ink and paper method, roll the finger on the inking plate or Porelon pad so the entire fingerprint area is evenly covered with ink. The ink should be rolled from nail to nail and from the crease of the first joint to the tip of the finger.



In taking the rolled impressions care should be exercised to ensure the bulb of each finger is rolled from nail to nail and from the crease of the first joint to the tip of the finger. The weight of the finger is all the pressure needed to clearly record the fingerprint.

To avoid slipping, which smudges and blurs the fingerprints, roll the thumbs in toward the subject and the fingers away from the center of the subject's body. This process relieves strain and leaves the fingers relaxed when rolling so that they may be easily lifted.





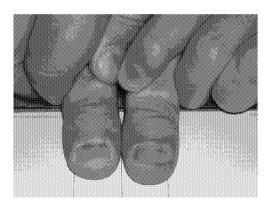


Plain Impressions or Flats

Plain impressions are printed last, at the bottom of the card. The technician simultaneously presses the subject's four fingers, keeping them together, at a forty-five degree angle in order to capture all four fingers in the allotted space.

Plain Impressions or Flats

Print both thumbs simultaneously to ensure proper positioning.



ABNORMALITIES SPECIAL SITUATIONS PROBLEMS

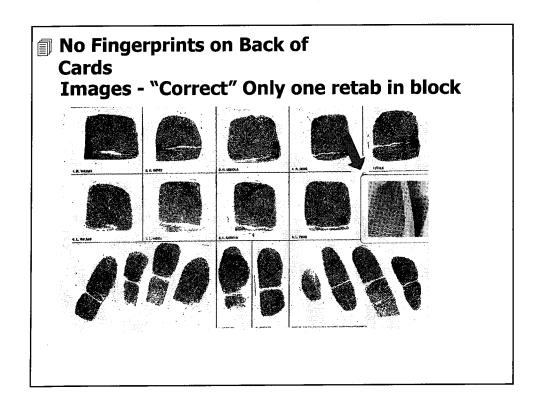
AND

SOLUTIONS

Extraneous Markings in Fingerprint Blocks

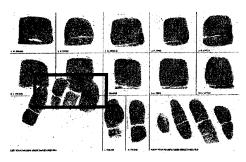
Ensure fingerprint submissions do not contain any foreign markings in fingerprint blocks

No Fingerprints on Back of Cards Images - "Incorrect" Two retabs in one block and fingerprints on back of card



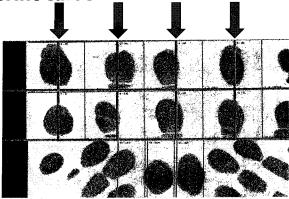
Improperly Positioned Fingerprint Images

Ensure each fingerprint is in the correct fingerprint block of rolled and plain impressions



Improperly Positioned Electronic Fingerprint Images

Ensure Batch Feeder does not contain an excessive amount of fingerprint cards _ _ _ _



ACCEPTABLE NOTATIONS IN FINGERPRINT BLOCKS:

- Electronic Codes XX (Amputated) or UP (Unable to Print).
- Paper Fingerprint Notations AMP
 Amputated, XX, Tip-AMP,
 Missing at Birth (MAB), Cut-Off, Shot-Off,
 Deformed, Bandaged, Cast, Missing
 Unable to Print or UP

Corresponding Fingerprint
Images - "Incorrect"
Notation Only in Rolled Blocks
Notations and Fingerprints must correspond
If unable to print in the rolled do not print in the plain

Notations

Notations

Notations

Notations

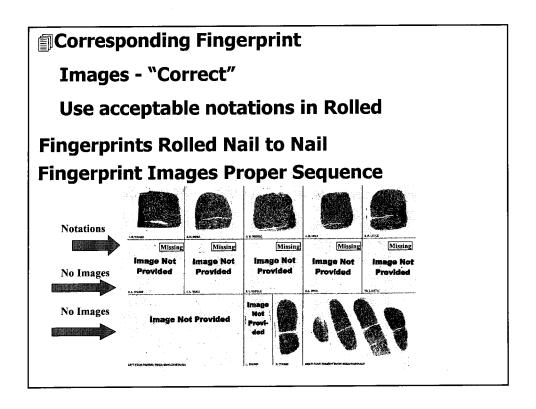
Notations

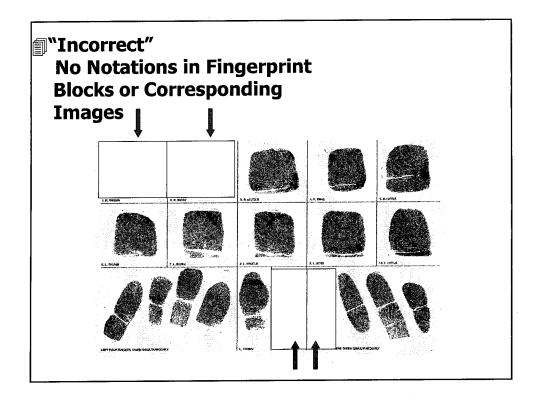
Notations

Notations

Notations

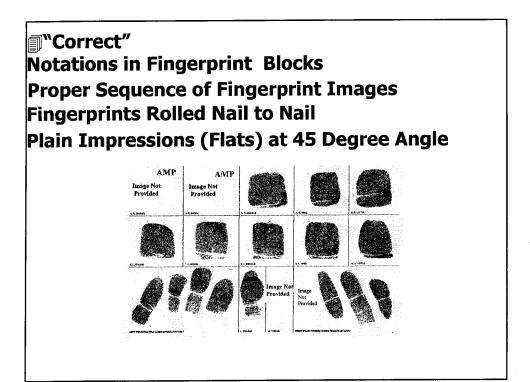
Notations

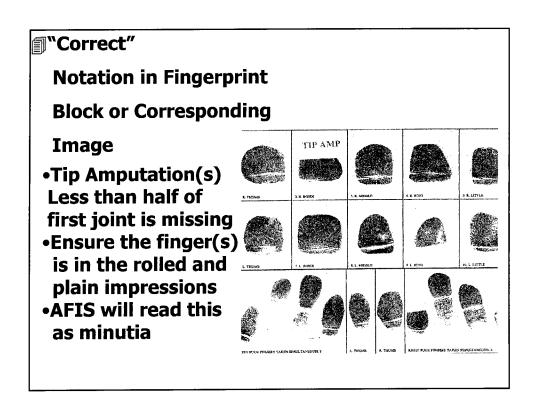


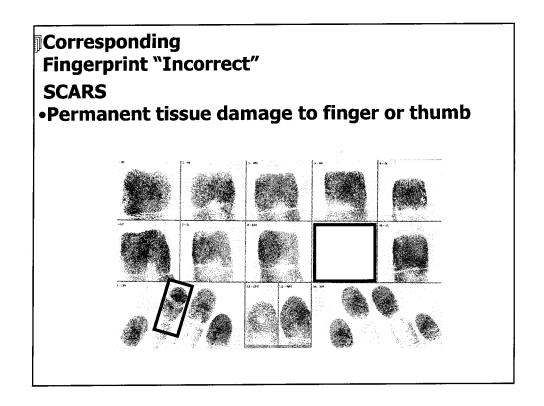


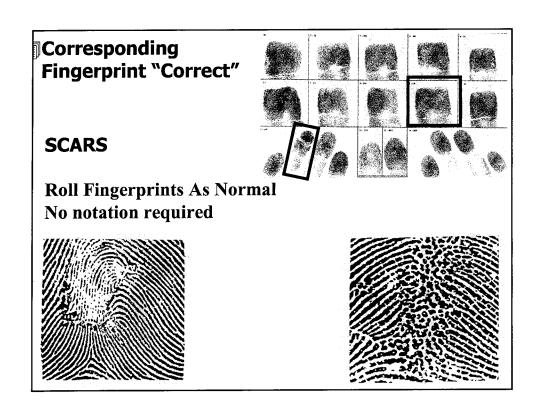
AMPUTATION(S)

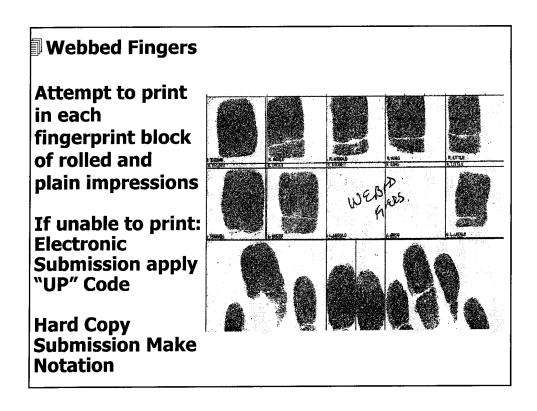
- •Finger that is completely missing
- At least one half of first joint missing
- •A notation of Missing is no longer interpreted as an amputation









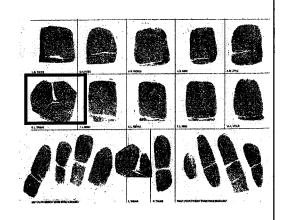


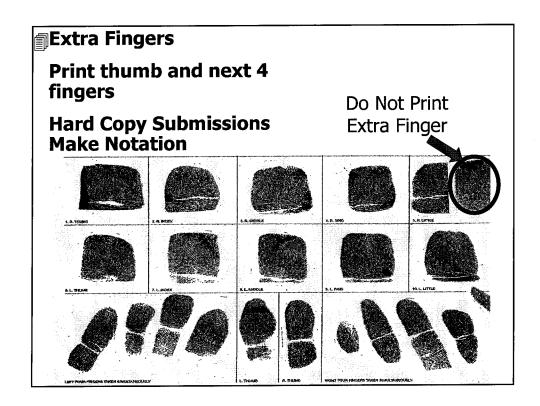
Split Thumbs

Attempt to print in each fingerprint block of rolled and plain impressions

If unable to print: Electronic Submission apply "UP" Code

Hard Copy Submission Make Notation



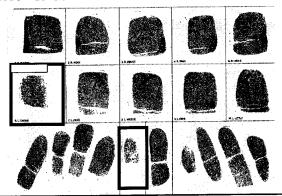


Transplanted Toe as finger

Attempt to print in fingerprint block of rolled and plain impressions

If unable to print: Electronic Submissions apply "UP" Code

Hard Copy Submissions make notation in scars, marks and tattoo box

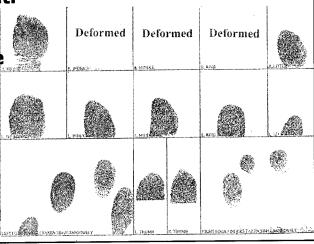


DEFORMITIES

- Attempt to Print in each fingerprint block of rolled and plain impressions
- •If Unable to Print:

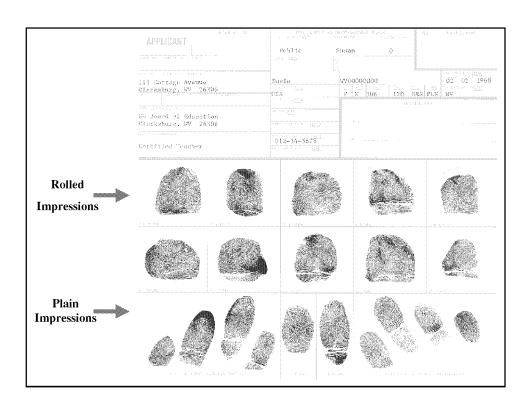
Electronic
Submissions
Apply "UP" Code

•Hard Copy Submissions Make Notation "Deformed"

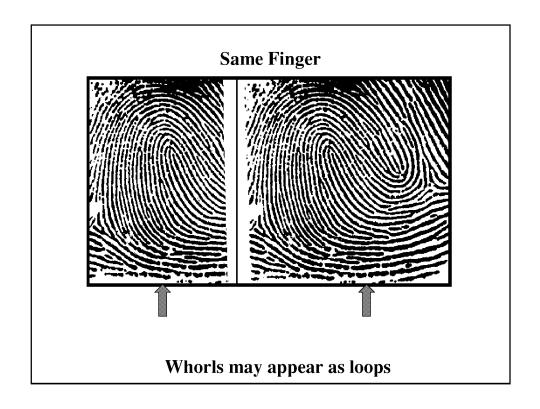


After taking the fingerprint impressions, there is always the question of whether the fingerprint impressions meet the requirements of the FBI. This quality check list has been devised in order that the fingerprints may be checked for possible discrepancies.

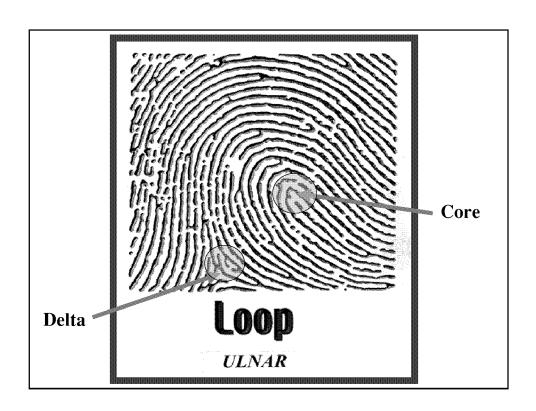
1. Is there a fingerprint impression in each rolled and plain impression block?



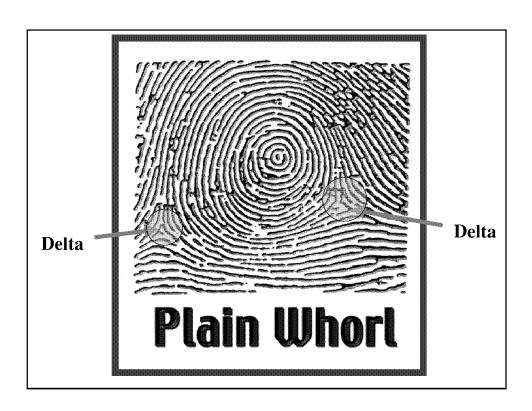
2. Are the fingerprints rolled fully, from nail to nail?



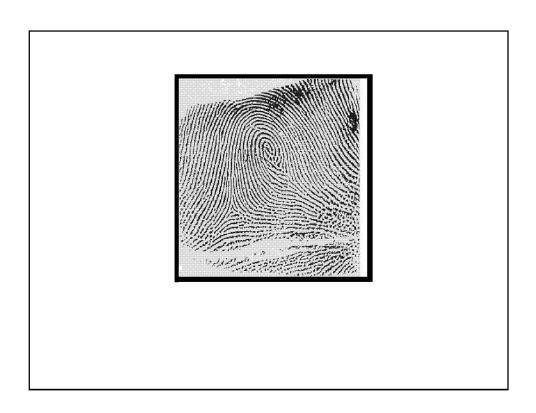
3. If the fingerprint impression is a loop, is the delta and core present?



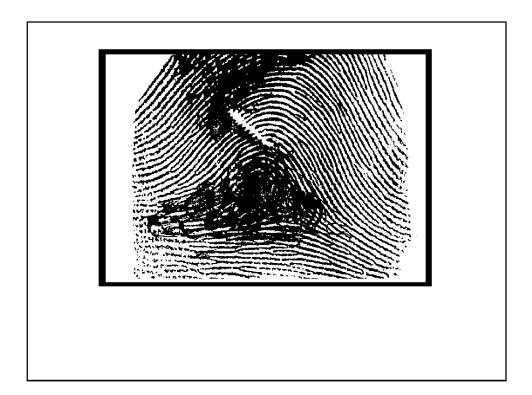
4. If the fingerprint impression is a whorl, are all deltas present?

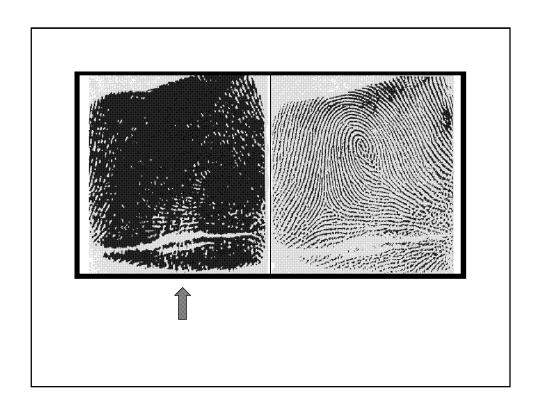


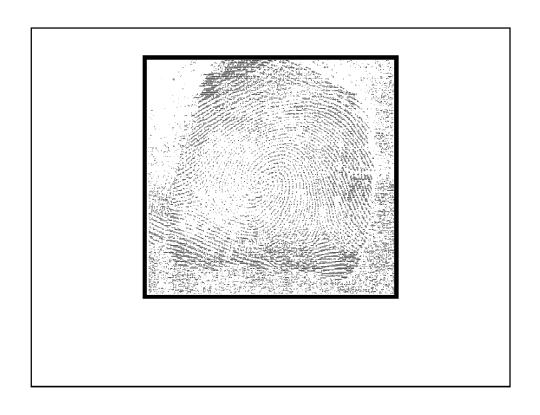
5. Are the fingerprint impressions clear and distinct?



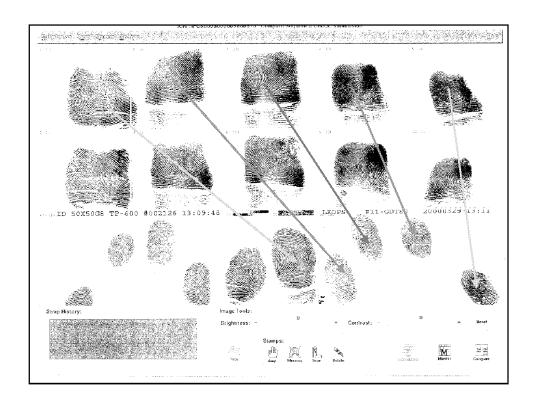
6. Are the fingerprint impressions uniform in tone and not too dark or light?







7. Are the rolled fingerprint impressions in the correct finger blocks when compared to the plain impressions?



8. If there are missing fingerprint impressions, is there a reason noted in the finger block(s)?

The following reasons noted are acceptable:

Amputation, AMP, XX, Cut-Off, Shot-Off, Missing at

Birth or MAB

Tip-Amp

Unable to Print or UP

Bandaged, Cut or Injured

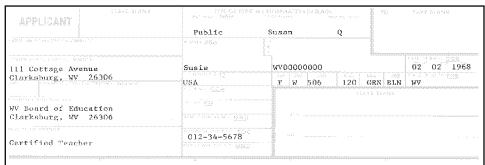
Deformed or Crippled

Missing (Missing is no longer interpreted as an amputation)

MOST COMMON REJECTS

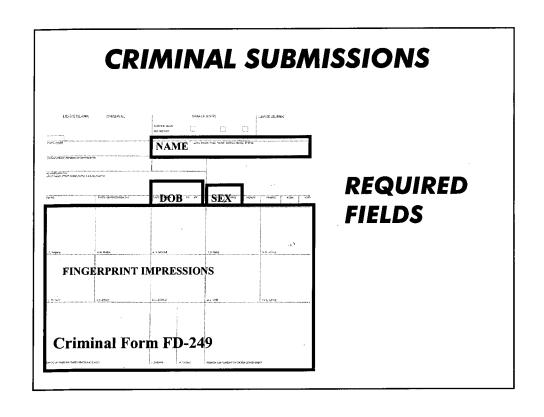
- •L0118 Image Quality/Sequence Error (Missing images with no reason given or out of sequence)
- •L0115 Other QC Error
- •L0116 Fingerprint Pattern Quality Error (Images not discernable)
- •L0008 Characteristics Quality Too Low
- •L0117 Fingerprint Pattern Area Error

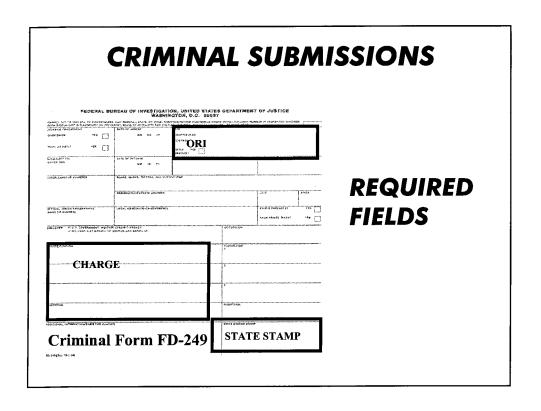
9. In addition to the legible fingerprint check list, ensure the appropriate data fields are completed prior to submission of fingerprints. If any of the required fields are left blank, the submission is rejected without further processing.

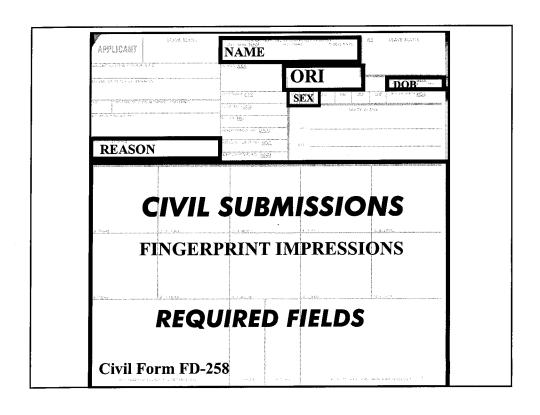


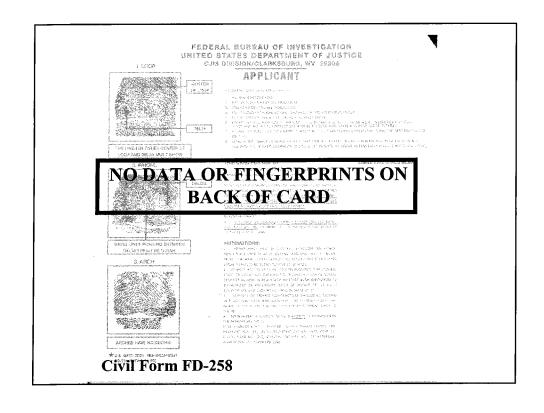
Using the ink and paper method, complete the information at the top of the fingerprint card (masthead). If using live scan, complete the required information.

Remember: No matter how well the fingerprints are recorded, if the required data fields are illegible, highlighted or incomplete, the submission will be REJECTED.









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OFFENSES CHARGED AT ARREST	Disposition Form R-84



U.S. Department of Justice

Federal Bureau of Investigation

The fingerprints appearing on the attached fingerprint card(s) are not adequate for accurate identification purposes. The reason(s) for return are set forth below:

CODE DESCRIPTION
L0008 The quality of characteristics is too low to be used.
(Determined by the FBI's Automated Fingerprint (dentification System)
L0116 Fingerprint pattern(s) not discernible.

Fingerprint patternia; not us-termine.

Insufficient pattern area(s) recorded for identification purposes.

Erroneous or incomplete fingerprint(s) on images: fingers or hands out of sequence; printed twice: missing and no reason given.

It is requested that the individual(s) be reprinted and fully rolled and clearly recorded fingerprint card(s) be resubmitted to the FBI, Criminal Justice Information Services (CJIS) Division.

Resubmitting Criminal Fingerprint Cards:

When submitting criminal reprints, it is not necessary to return the original fingerprint card(s).

Resubmitting Applicant/Civil Fingerprint Cards:

For applicant/civil fingerprint cards for which a fee is involved, one reprint will be processed at no additional charge. The first reprint must be returned with the original prints and all attachments, in order to receive credit.

See the opposite side of this form for suggestions for obtaining legible fingerprints.

Thank you for your cooperation in this matter.

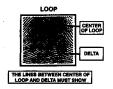
CJIS Division FBI

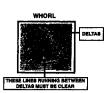
Reject Form 1 -17a (Rev.3-1-02)

(Front)

Please Note

it is suggested that each newly recorded fingerprint card be examined to ensure that the impressions are fully rolled and clearly recorded, bearing in mind the following:







Reject Form 1 -17a (Rev.3-1-02)

Please, attempt to print fingers which are deformed or scarred and note fingerprints which are amputated or missing at birth.

Your earnest cooperation is solicited in obtaining the best possible impressions in each block on each fingerprint card. By doing so, you are rendering a vital service and making a major contribution to all agencies participating in the fingerprint exchange program.

Training information relative to the procedures for properly recording fingerprints can be obtained by contacting FBI, CJIS Division at (304) 625-5590 or (304) 625-2000.

(Back)

	U.S. DEPARTMENT OF JUSTICE	
	Federal Bureau of Investigation	
Reject Form 1-12 (Rev. 1-9-01)	Criminal Justice Information Services Division Identification and Investigative Services Section	
Reject Fulli 1-12	essention and tracerificial paraions particus	
	1000 Custer Hollow Road	
$(\mathbf{D}_{\mathbf{O}\mathbf{V}}, 1, 0, 01)$	Clarkeburg, WV 26306	
(IXCV. 1-2-01)		
,	Date	
Contributor:		
The miclosed fingerprints and/or correspondence are being return	ned to you because of reason(s) indicated below:	
[] (Contributor) (CIDN) (SOC) omitted or incorrect		
☐ Name (not shown at top of card) (name and signature differ):	(name illegible or unclear)	
□ Easential information (omitted) (not clear) (incomplete); □ :	Sex Descriptive data D Date of birth	
Charge and/or date of arrest (omitted) (not clear) incomplete)	List charges in literal form (i.e. murder, rape, robberv, etc.)	
Advise reason for submission of fingerprints: (i.e. Law Enforcement)	cement, Criminal Justice, Weapon Permit, etc.)	
☐ Fingerprint(s) illegible - please submit another card. For enh	anced legibility, ensure fingers are rolled nail to nail.	
☐ Inked finger impressions not on card.		
Advise reason for submission of fingerprints; if criminal furnity FPI results a specified. Build improve the state of the first state of the state of th	un charge; or it applicant furnish position for which applying.	
 FBI number omitted. Rolled impressions of all fingers, and p Impressions not black on standard white fingerprint card stop 	unin imprensions, are necessary to process.	
Apparently mailed to us by mistake.	•	
Our records fail to reveal a statute from your state requiring fi	descripting for the position indicated	
☐ There is no indication the enclosed cards and/or corresponder	nce have been processed through your state identification	
bureau or central agency prior to submission to the FBI.		
Enclosed card or correspondence may have been submitted by	y your office. Please list contributor and return to FBI. If not	
submitted by your office, please advise:		
□ We do not include information unsupported by fingerprints in	our files.	
☐ Fingerprint card with nonserious offense.		
Please enter Sex Offender Registration information into the "	Convicted Sexual Offender Registry File" using NCIC 2000.	
☐ A new processing fee will be charged. Please submit a set of ☐ Failure to follow 3rd submission rules.	Ingerprints without attackments.	
☐ REJ/50 - Transaction received for processing matches NFF re	second from your state	
REJ/51 - SID on file different than SID on print.	acuta grapa your mane.	
D REJ/52 - SID previously established for another FNU.		
☐ REJ/53 - SID missing for NFF participant.		
☐ Live scan equipment not properly programmed.		
The form used for submission was (not the correct form/finger	rprint card) (not a standard form/lingerprint card), please resubmit.	
☐ The CJIS Division no longer scoopts known deceased prints f	or processing, effective 8/2/93.	
Federal citation submitted by a state contributor.		
forwarded to the respective service center for processing.	Services (INS) (excluding PORTPASS and PAL programs), must be	
Attached fingerprint card has been afforded an integrated Aut	ometed Einserwint Identification Student (IAEIS) name about	
The fingerprints and/or correspondence are being returned per	Chora tedinos:	
☐ The FBI has only approved two inkless methods for obtaining	fingerprints. It is suggested that you contact the	
appropriate vendor listed below who sold you your equipment	for clarification of processing procedures.	
Identicator Corporation (310) 305-8181	Dactek International, Inc. (818) 787-1901	
4051 Glencoe Avenue	8142 Orion Avenue	
Marina Del Rey, CA. 90292	Van Nuys, CA. 91406	
☐ Other		
Complete all requested changes and/or additions and resubmit	with all attachments. Your cooperation is appreciated.	
Feetener(s)		

CJIS SUPPLY REQUISITION FORM

Use this form for ordering supplies from the Criminal Justice Information Services Division

Foderal Bureau of Investigation
Attention: Logistical Support Unit (LSU), CJIS Division
1000 Cuter Follow Road
Cistraburg, WV 26306
Form Number 1-178 (Rev. 10-33-00) Quantity without ORI# Quantity* with ORI# Arrest and Institution Fingerprint Cards (white card with red ink) FD-258 Applicant Fingerprint Cards (white card with blue ink) FD-353 Personal Identification Fingerprint Cards FD-884 Palm Prints (white card with red ink) Live Scan Card Completely Blank (white card)
Final Disposition Report Form R-84 I-12 Plash/Cancellation Not 1-433a Supervision Transfer Notice ENVELOPES (8 3/4" X 8 3/4" self-addressed) Manila Envelopes: (Used in mailing Criminal & Federal applicant prints)

Blue Envelopes: (Use for mailing "direct billing" prints) Green Envelopes: (Used when payment is enclosed with prints) ABA Envelopes
with Packing Slip: (Used only by American Benkers Assoc.)
*Total number of individual cards, forms, savelopes, etc.
Facsimile Orders may be sent to (304) 625-3984 Service Numbers: Questions concerning your supply orders may be directed to LSU at (304) 625-3983 For questions regarding the appropriate selection and use of materials listed on this form, call (304) 625-2000 and request the Forms Information Line. To speak with someone about available fingerprint training materials, instructional aids, and/or to order instructional materials, Call (304) 625-2000, and request the Fingerprint Training Information Line. (must be furnished) ORI Number __ ___ Delivery Hours ____ Agency point of contact & telephone # Complete shipping address (no P.O. Box, if possible) City, State and Zip Code #

MANUFACTURERS/DISTRIBUTORS OF INGERPRINT EQUIPMENT

SIRCHIE FINGERPRINT LABORATORIES, INC.

00 HUNTER PLACE OUNGSVILLE, NC 27596 00 - 356-7311 AX - 800- 899-8181 MAIL - SIRCHIE@MINDSPRING.COM

CE FINGERPRINT EQUIPMENT LABORATORIES, INC.

.O. BOX 288 AKE FOREST, NC 27588-0288 00 - 426-7072 AX - 919-556-6176 MAIL - <u>ACEFEL@MINDSPRING.COM</u>

LIGHTNING POWDER CO., INC. 3386 INTERNATIONAL PARKWAY ACKSONVILLE, FL 32218 00 - 852-0300 AX - 800-588-0399

NOTE: THE FBI DOES NOT ENDORSE ANY OF THE ABOVE MENTIONED COMPANIES

IISS Customer Service 304-625-5590

<u>liaison@leo.gov</u>

Hours: 8:00 am - 6:00 pm

