





Universal Latent Workstation (ULW) in the Next Generation Identification (NGI) World v6.67

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www.fbi.gov/services/cjis/fingerprints-andother-biometrics/ngi

www.fbibiospecs.cjis.gov/Latent/PrintServices











https://www.fbibiospecs.cjis.gov/Latent/PrintServices

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Databases

HAT WE DO

Our Background

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Latent Print Services

The Next Generation Identification (NGI) latent services provide authorized criminal justice agencies with the ability to search latent fingerprints and palm prints left at crime scenes against a national biometric repository with improved accuracy and access to event-based criminal, civil, and unsolved latent biometrics. The NGI provides enhanced cascade services of the Unsolved Latent File to include criminal, authorized civil, and inquiry-only biometric submissions to produce new investigative leads within unsolved cases.

Latent Best Practices
Latent Quality Metrics
Latent Search Strategies

Palm Print Capture Reference Tools

The FBI's Next Generation Identification (NGI) palm print and supplemental print (i.e., lower joints and extreme tips of the fingers) searching capabilities are now operational. Please note that the PALM PRINT CARD FD-884 (REV. 7-2-10) and the SUPPLEMENTAL FINGER AND PALM PRINT CARD FD-884a (REV. 7-2-10) have been revised and may be ordered at no charge from the FBI by contacting the Fingerprint Supply Center at 304-625-3983 or by visiting www.FBI.gov.

To increase accuracy, please review "A Practical Guide for Palm Print Capture" and / or the "Palm Print Capture" poster when capturing and submitting palm & supplemental prints to the FBI. This guide and poster can also be used as a reference tool to provide visual aid to agencies in order to show what proper palm print submissions should look like. If a poster is desired, print size dimensions can be modified via *Page Setup* prior to printing. For more information, please contact **palmprints@leo.gov**.

Palm Print Capture Guide
Palm Print Poster
Supplemental Capture Guide





- Increased accuracy
- Searching lower-quality latents





- Latent Friction Ridge Image Searches (LFIS)
 - Easiest and quickest
 - No markup
- Latent Friction Ridge Features Search (LFFS)
 - Easier feature searches
 - Minimal markup
 - Quick minutiae search





Palm prints

- NPPS direct enrollment in NGI
- Searching palm prints within ULW
- Settings
 - Request Features Record
- Larger palm ROI sizes





Expanded database

- Civil File
- Unsolved Latent File (ULF)
- Criminal Master File (CMF)
- Event based repository
 - Biometric Set Identifier





- Unsolved Latent File (ULF)
 - Enhanced ULF capabilities
 - Unsolved Latent Match (ULM)
 - ULF Management (FIFO)
- Unsolved Latent Delete (ULD)
 - Confirmation Responses
- Unsolicited Unsolved Latent Delete (UULD)





- Opening Unsolved Latent Match (ULM)
 Files without Transaction Manager
 - 1. Open Latent Editor (LE).
 - 2. Right click on the ULM file you would like to compare and click Copy.
 - 3. Right click on an area near the original ULM and click Paste.





- Opening Unsolved Latent Match (ULM)
 Files without Transaction Manager
 - 4. Hold down the Ctrl key and click on the original ULM file and the Copy.
 - 5. Drag and drop both files into LE. Hold down the Ctrl key and click on the original ULM file and then
 - Copy. Drag and drop both files into LE.
 - 6. Click on Window in the horizontal tool bar and select Tile Vertical. Select Feature Markup on the left side of the screen to display the tenprint images.



- Image Request Response (IRR) & Unsolved Latent Match (ULM) Fingers display out of order in Latent Editor
 - The LE will display fingers in the order in which NGI returns them - which is not always in sequentially ascending order. There is no way to manually re-arrange the fingers in LE. See below example:











- Search all possible positions
- Minutiae
- Min/Max Region of Interest
- Request Features Record (RFR)





Latent Quality Metrics (LQ Metrics) – LQM found in Latent Editor (LE)





Unable to cru the ANSI-NI C:\Users' ac-a746d164	eate a tenprint image for this file. Thes ST Viewer. For additional information re \AppData\Local\Temp\CreateIn 1f10.txt	e images can be viewed with efer to error log at mages_9adf5829-0292-41cc-a4



- If the IRR has missing images (i.e. less than 14 fingerprint images), the View Ten-Print Image button in Transaction Manager (TM) will not open the IRR. The images from the IRR can be viewed using one of the following from the IRR Tab in TM:
 - 1. Open the IRR with the "Compare IRR with ULW-LE" button
 - 2. Open the IRR with the "Compare IRR with ULW-CT" button
 - 3. Open the IRR with the "View Images" button (if associated with a case)
- The images can also be viewed with the ANSI-NIST Viewer:
 - 1. Open the IRR using the ANSI-NIST Viewer
 - 2. File
 - 3. Images
 - 4. View All Fingerprints







Upgrading to ULW v6.67

ULW Software

The Universal Latent Workstation (ULW) is interoperable and interactive software for latent print examiners. The software improves the exchange and search of latent friction ridge images involving various Automated Fingerprint Identification Systems and the FBI's Next Generation Identification (NGI) system with a single encoding. This software is provided at no cost to authorized criminal justice agencies.

Please note that ULW Software, by itself, does not establish connectivity/message routing to Automated Biometric Systems, either foreign or domestic. The ULW simply formats a latent print into an FBI EBTS compliant format for searching against many vendor systems.

*When installing 6.6.7, it is recommended to save the files to the computer prior to installation - the Setup.msi file must be copied to the computer.



ULW Supplemental

ULW Brochure
Provide ULW Feedback

Additional Links

NGI WebSite IAFIS WebSite Biometric Center of Excellence





Upgrading to ULW v6.67

Request the Download of ULW Software

To request the ULW Software, please fill out the form below and submit it for approval.

Any additional questions should be sent to latentsupport@leo.gov.

If you have already submitted a request in the past please make sure all fields are accurate and up to date.

Contact Information

First Name

Last Name

Email Address (professional address preferred)

Phone Number

Address

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Agency/Dept./Office

ORI Number (If applicable)

United States Citizen?

O No

Yes

Retype the code from the picture:







Help and Contact Information

Latent Services – latentsupport@leo.gov 304-625-L8NT (5868) Palm Print Services – palm prints@leo.gov Biometric Identification Award – fbilatenthit@leo.gov CJIS Customer Service Group – <u>liaison@leo.gov</u> 304-625-5590 **ULW Software Download** www.fbibiospecs.cjis.gov Biometric Training Team – biometric training@leo.gov 304-625-5279 ULW Training – bttt@leo.gov 304-625-4980



Questions

Comments

