



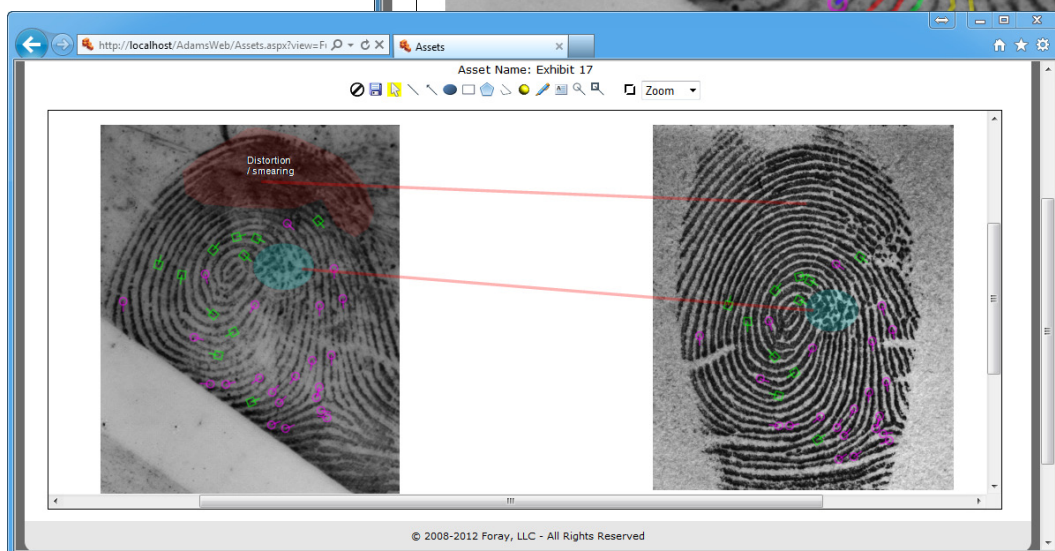
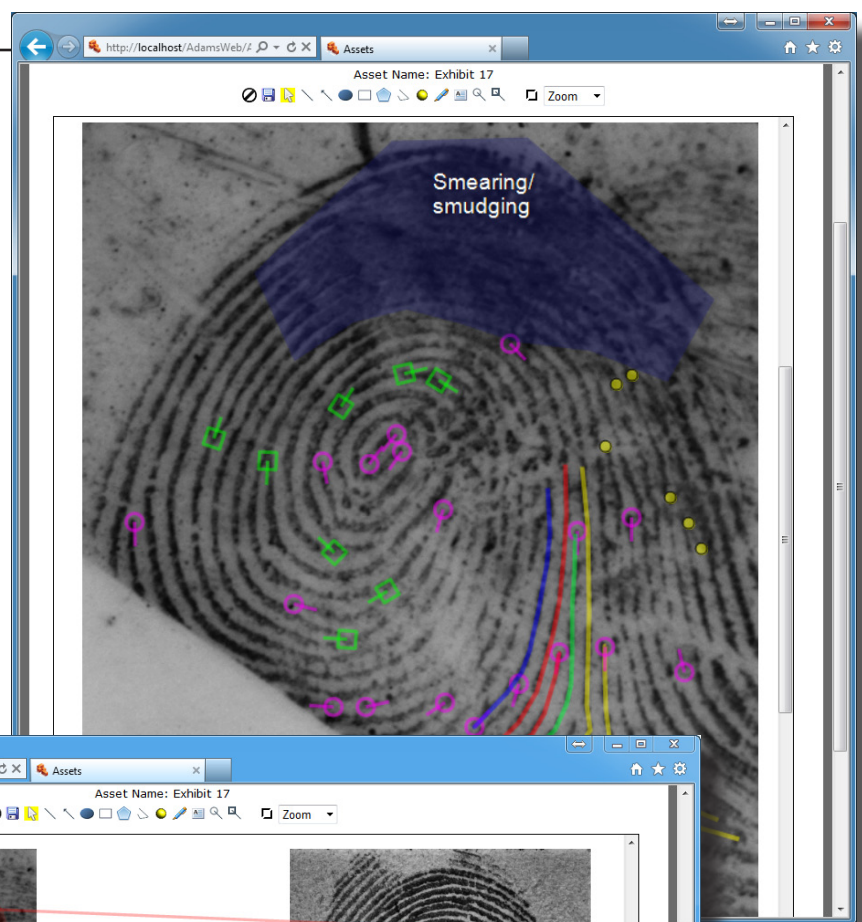
The ADAMS Latent Case Management and ACE-V Documentation (Latent/ACE-V) Module ensures complete compliance with SWGFAST's ACE-V guidelines, and provides an intuitive, browser-based process for documentation required as part of the latent case management record. The Latent/ACE-V Module allows users to create and maintain complete—and consistent—records that include annotated images of the latent prints and exemplars, as well as observations and other data relevant to the ACE-V process, together with a detailed chain of custody, case notes and reports. Users can display images for side-by-side comparison, prepare annotations (charting) on-screen, and customize the ACE-V processes based upon their agency's specific data requirements.

Highlights

Annotate. Create annotations for individual ridge impressions and/or comparison prints identifying ending ridges or bifurcations. Or, simply mark ridge events with a dot.

Examine. Place latent/palm print images side-by-side for detailed analysis and comparison.

Trace and highlight. Trace ridge flows, add text and highlight complex areas within the print(s).



Highlights continued**View workload.**

Display a list of analysis requests for a case.

Manage requests.

Enter detailed information related to assigned requests using flexible, user-defined fields.

Modify the

process. Change the Latent Case Management and ACE-V process to conform to a new SOP or to new accreditation requirements using Microsoft® Visio® to modify the software's workflow and screens.

The screenshot displays the AdamsWeb application interface. The top window shows the 'Case #20120105-01' summary, including the submitting agency (Foray PD), owner (foray.local/mont), number of assets (0), number of property items (0), crime (Burglary), date of crime (1/5/2012), and status (Open). Below this is a table of requests.

Request #	Status	Priority	Type	Requested On	Requested By	Assigned On	Assigned To
1	Completed	Low	Latent Envelope Analysis	1/6/2012	Mont Rothstein (mont)	1/6/2012	Mont Rothstein (mont)
2	Completed	Low	Envelope Quality Review	1/6/2012	Mont Rothstein (mont)	1/6/2012	Mont Rothstein (mont)
3	Completed	Low	Latent Envelope Analysis	1/6/2012	Mont Rothstein (mont)	1/6/2012	Mont Rothstein (mont)
4	Completed	Low	Envelope Quality Review	1/6/2012	Mont Rothstein (mont)	1/6/2012	Mont Rothstein (mont)
5	Completed	Low	Latent Envelope Analysis	1/6/2012	Mont Rothstein (mont)	1/6/2012	Mont Rothstein (mont)
6	Completed	Low	Envelope Quality Review	1/6/2012	Mont Rothstein (mont)	1/6/2012	Mont Rothstein (mont)
7	Completed	Medium	Latent Envelope Analysis	1/6/2012	Mont Rothstein (mont)	1/6/2012	Mont Rothstein (mont)
8	Completed	Medium	Envelope Quality Review	1/6/2012	Mont Rothstein (mont)	1/6/2012	Mont Rothstein (mont)
9	Completed	High	Latent Envelope Analysis	1/6/2012	Mont Rothstein (mont)	1/6/2012	Mont Rothstein (mont)
10	Completed	High	Envelope Quality Review	1/6/2012	Mont Rothstein (mont)	1/6/2012	Mont Rothstein (mont)

The bottom window shows the 'Case #20120105-01 - Request # 12 - Type: Latent Envelope Analysis' form. It includes fields for Barcode ID (123456789), Evidence Number (11), Number of Cards (1), Envelope Quality (Unidentifiable-No Value prints), and a Comments section. A 'Next' button is at the bottom.

Below the web interface is a Visio workflow diagram titled 'Document Conclusion'. The flow starts with a 'Start' oval, leading to a 'Conclusion Results' box containing fields for parent information, comparison results, OCA number, anatomical source, and comments. This leads to a decision diamond 'Concur with Conclusion: Yes/No'. If 'No', it loops back to 'Return impression to LPE for re-evaluation' and then to a 'Sign & Date' box before ending. If 'Yes', it leads to another decision diamond 'Field Path: @Conclusion Results.Comparison Results'. This diamond has three paths: 'Identification Made' leads to 'Conclusion: Identification Made' and then 'End'; 'No Identification Made' leads to 'Conclusion: No Identification Made' and then 'End'; 'Inconclusive (Need Better Prints)' leads to 'Conclusion: Inconclusive (Need Better Prints)' and then 'End'.

Highlights continued**Analyze.**

Document the anatomical source, orientation and presence of level 1, 2, and 3 detail as well as substrate, development medium, preservation method and other factors such as matrix, deposition pressure, movement, etc.

Compare. Record information relied upon by the latent print examiner during the comparison process and include high-quality, high-resolution, full-color digital images of the known print(s) used for the individualization of each latent print.

Evaluate. Enter conclusions of latent prints that are individualized, excluded, or for which a decision is inconclusive.

Verify. Manage and document verification steps as well as consultation and conflict-resolution processes.

The image displays two screenshots of the AdamsWeb - Request form, which is used for documenting latent prints. The top screenshot shows the 'Observations' step, and the bottom screenshot shows the 'Clarity' step. Both screenshots are for Case#: 20120321-01 - Request # 2 - Type: Exemplar Comparison.

Observations Step:

- Substrate Distortion: No
- Appearance consistent with description: Yes
- Appearance of moisture / sebum: No
- Appearance of Black Powder: Yes
- Appearance described: [Text Field]
- Development medium: [Text Field]
- Lateral/horizontal transfer pressure distortion: Yes
- Location of transfer pressure distortion: [List Box]
- Surface described on: Lift
- Condition of Surface: Flexible
- Other matrix distortion: Unknown Foreign
- Appearance of Chemical Development: No
- Photographed after development: No
- Downward transfer pressure distortion: No
- Pressure consistent with circumstances: Yes

Clarity Step:

- Anatomical source: Finger
- Clarity Level 1: Yes
- Clarity Level 2: Yes
- Ridge flow and path not in concert: [List Box]
- Other Level 2 detail: [Text Field]
- Clarity Level 3: Yes
- Level 3 detail visible: [List Box]
- Location of Level 3 detail: [List Box]
- Size/shape of Level 3 detail: [Text Field]
- Other Level 3 detail: [Text Field]
- Adjacent ridge detail: No
- Other anatomical detail: [Text Field]
- Possible anatomical area: Finger 02
- Pattern: Not Set
- Quality of Level 2 detail: Good

Highlights continued**Generate**

reports. Create custom reports for the Latent Case Management and ACE-V process.

Document**conclusions.**

Report on steps taken, comparison notes, and detail of conclusions so another examiner can determine what was done and interpret the data.

Prepare for

court. Gather data, comparisons, steps taken, and conclusions for use in court.

Exemplar Comparison - 3/21/2012

Owning Agency:Foray PD **Case #:** 20120321-01 **Crime:**Narcotics **Date of Crime:** 3/21/2012
Assigned On:3/21/2012 **Date Completed:** 3/21/2012 **Examiner:**Mont Rothstein (mont)

Detailed Analysis

Barcode ID: 123456789
Evidence Number: 42
Sub Exhibit: 1-3
Location of ridge impression:

Latent Analysis

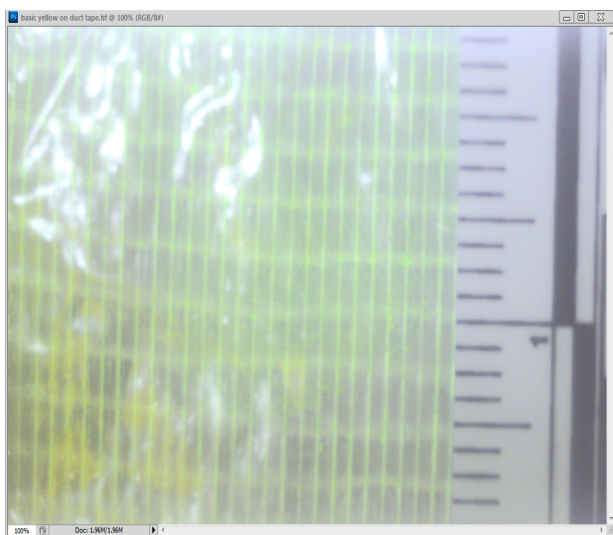
Anatomical source:
Pattern:
Clarity Level 1:
Clarity Level 2:
Clarity Level 3:

Clarity

Anatomical source: Finger
Possible anatomical area: Finger 02
Clarity Level 1: Yes
Pattern:
Clarity Level 2: Yes
Quality of Level 2 detail: Good
Ridge flow and path not in concert: 01|
Other Level 2 detail:
Clarity Level 3: Yes
Level 3 detail visible: Pores|
Location of Level 3 detail: 04|
Size/shape of Level 3 detail:
Other Level 3 detail: Some level 3 detail (pores) appears in lower portion of image below the core. In addition, some level 3 detail appears in the upper left quadrant.
Adjacent ridge detail: No
Isolated impression: No
Other anatomical detail:

Observations

Substrate Distortion: No
Surface described on: Lift
Appearance consistent with description: Yes
Appearance of moisture / sebum: No
Other matrix distortion: Unknown Foreign
Appearance of Black Powder: Yes
Appearance of Chemical Development: No
Appearance described:

Highlights continued**Before****After****Launch Foray ADAMS Filters from Adobe® Photoshop®.**

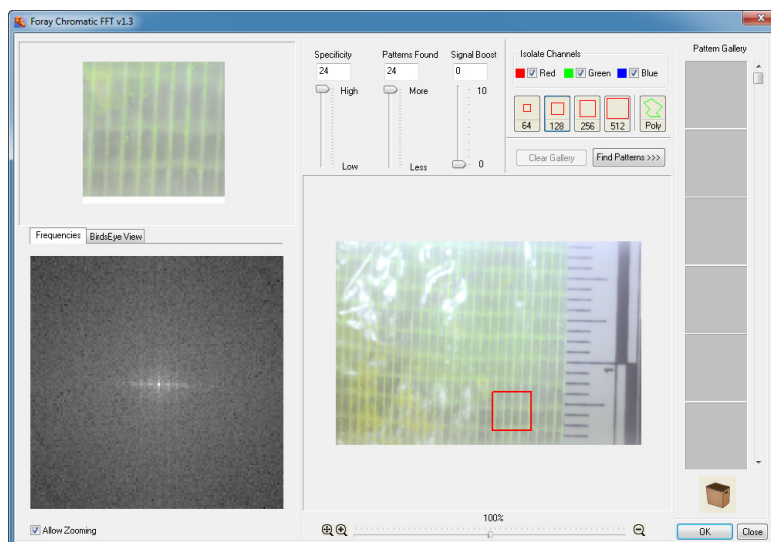
Launch the Foray Chromatic Fast Fourier Transform Filter from Adobe® Photoshop®.

Remove background patterns. Remove background patterns to make images clearer and easier to analyze and compare.

Zoom in. Using a sliding scale or mouse wheel, zoom in and select small, irregularly shaped portions of an image containing undesirable patterns.

Isolate color channels. Search for patterns using all three color channels, or selectively on one or two channels.

Identify unwanted patterns. Using the pattern gallery, identify unwanted patterns and drag them into the Trash Can while reviewing the effect of the pattern removal in the preview window.



Fine tune. Using the Frequency Palette, remove additional patterns by cutting frequency spikes.

Highlights continued

Launch AFIS Connect. Launch AFIS Connect to submit latent/palm print images to any or all of the major AFIS systems.

Preview image information during selection process. Preview all image information before submitting the prints to AFIS, including EXIF camera data, notes, image history, and chain of custody. Reduce the chances of submitting the incorrect latent print or a print for which the calibration process is not yet complete.

Rotate before sending. Rotate an image prior to sending it to AFIS.

Select multiple impressions. Choose multiple impressions to be submitted to AFIS in a single batch.

Select multiple clips. For single images containing multiple prints (palm prints or multi-print images), select multiple regions of the image and submit all regions simultaneously to AFIS.

Configure multiple profiles. Configure AFIS Connect for all major AFIS vendors using system prompts for the configuration parameters specific to each vendor. Set up AFIS Connect for as many AFIS connections as necessary (local, state, federal, etc.).

