Best Practice Procedures for The Exchange of Latent Identification Services

The Texas Experience

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Texas DPS

Addressing the Needs of the Texas Latent User

- Latent exchange must:
 - Be Inexpensive
 - Be Easy to Use
 - Be Vendor independent
 - WORK!

Evaluation of solutions in Texas pointed to the deployment of Universal Latent Workstations and a Texas DPS hosted Store & Forward device.

Factors In Decision

- Inexpensive
 - Costs to latent user are limited to PC, 1000 ppi scanner, WSQ license and internet connectivity costs. ULW software is free.
 - Costs to host include mail server and (if needed) minor upgrades to AFIS system.
- Easy to use
 - ULW software is intuitive and easy to learn
 - Exchanging latents is as simple as using email
- Vendor Independent
 - Type 9 Record provides AFIS vendor with vendor specific feature set
 - Use of standard FBI EFTS TOTs (LFFS / SRL)
- It works
 - Texas users have made many hits against IAFIS and the Texas DPS NEC AFIS utilizing ULW and Type 9 records.

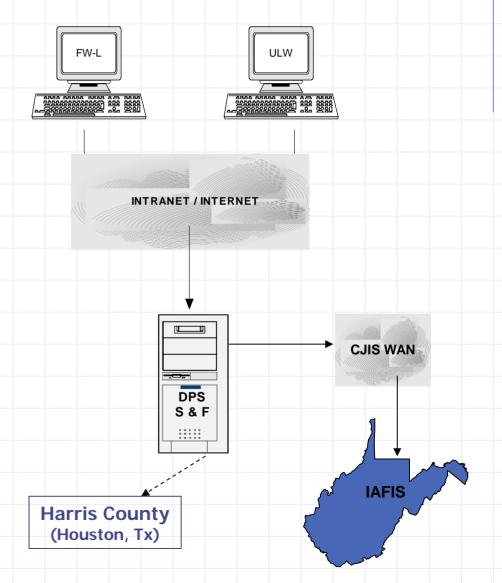
The Texas Implementation

- Outbound Latent Exchange
 - Universal Latent Workstation (ULW) to non-Texas DPS AFIS

- Inbound
 - ULW to Texas DPS AFIS (Inbound)

ULW Outbound

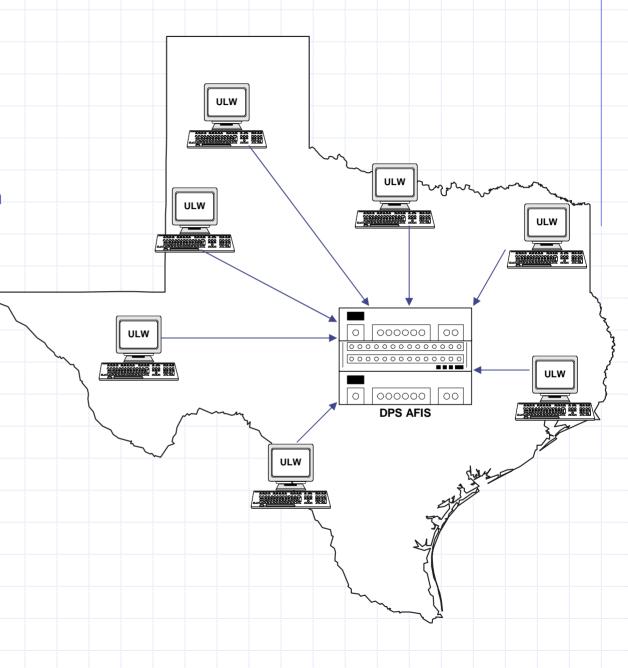
- NEC FW-L (with installed ULW) generated LFFS transaction or stand alone ULW
- LFFS transaction is forwarded to Store and Forward device
- S&F mails the LFFS to the FBI's IAFIS via the CJIS WAN
- LFFS transaction is processed and returned to the contributor as an SRL or ERRL using the same path.
- DPS will be able to route transactions to other AFIS systems as they are able to accept Type 9 submissions.

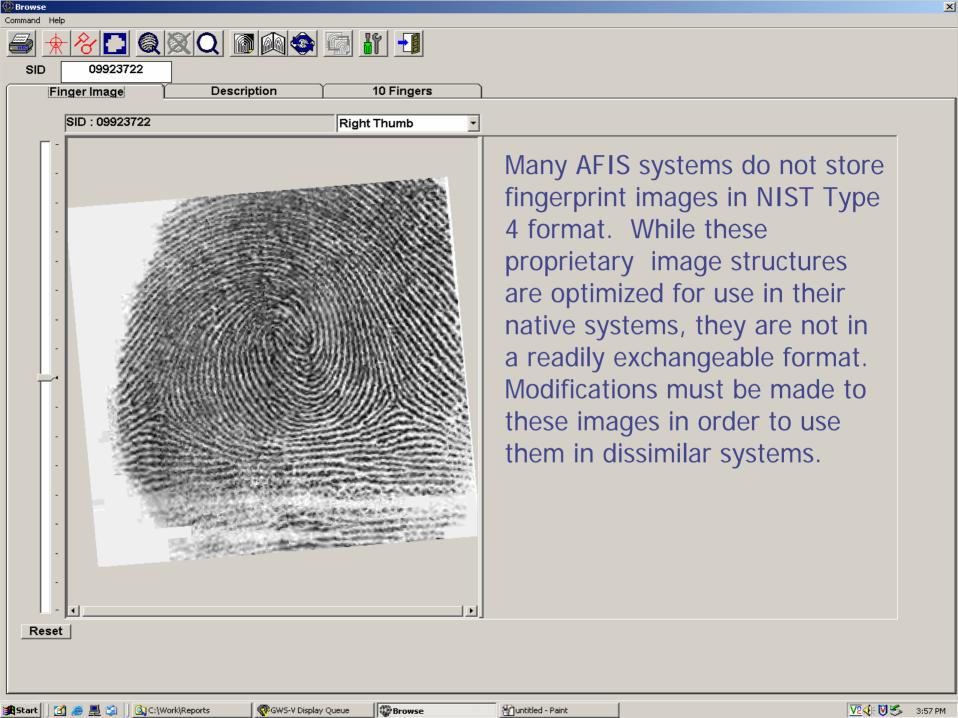


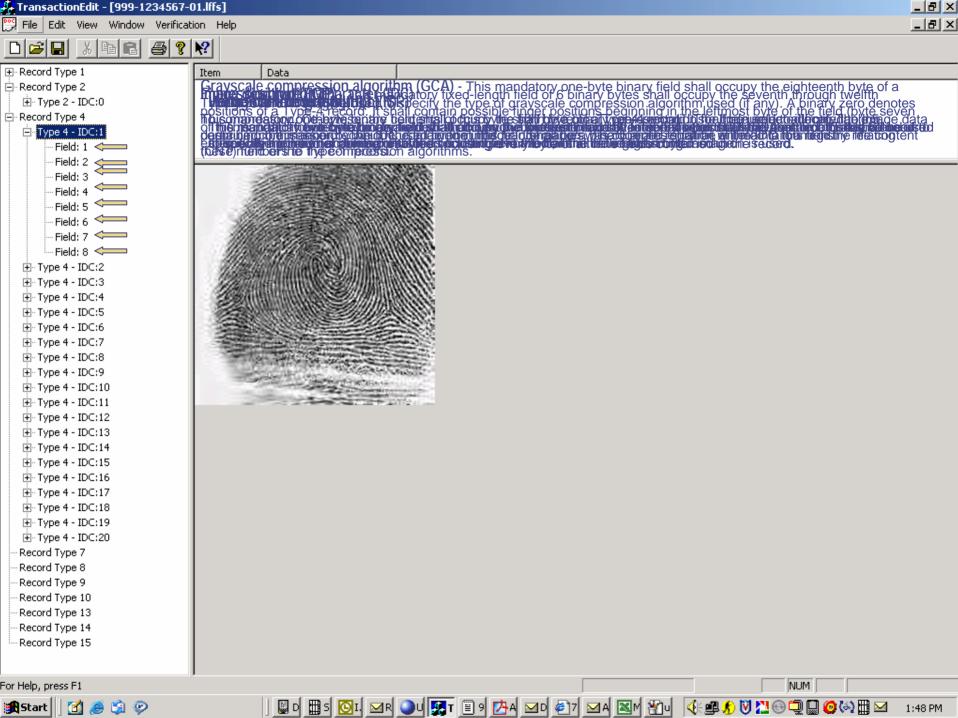
ULW Inbound

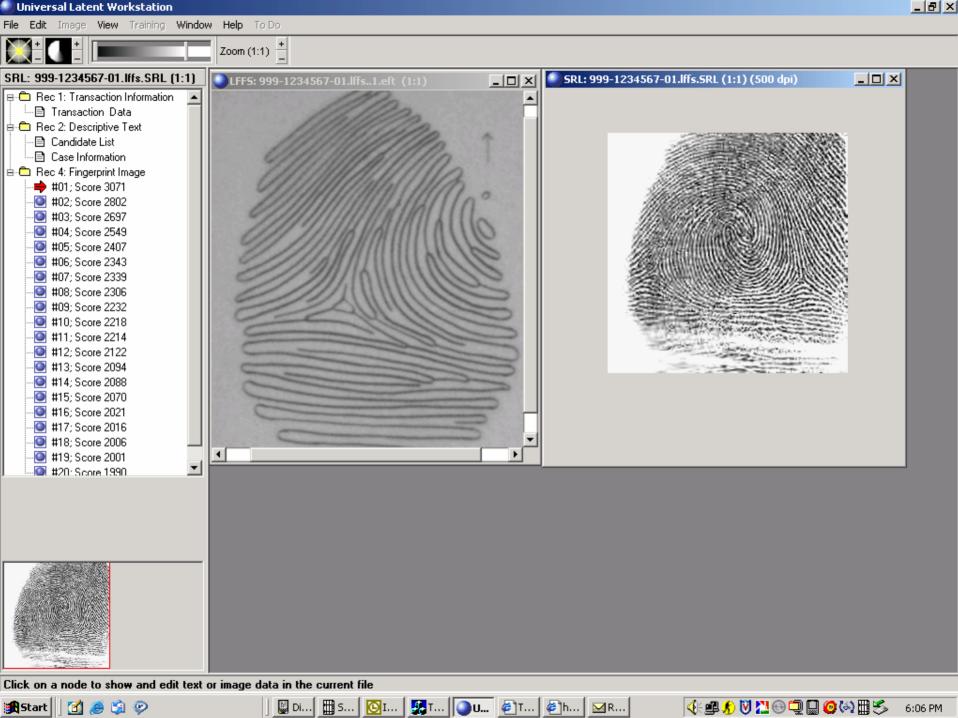
Major difference between inbound and outbound concerns the need to manipulate images maintained in AFIS to insure compliance with national standards.

For Texas, images stored in the NEC AFIS are modified by adding the 18 extra bytes of data necessary to distinguish the image as a NIST Type 4 record.









Additional Considerations

- Security
 - Authentication
 - Encryption
- S&F Functionality
 - Logging
 - Job Cueing
- IIETF Best Practices Document

Questions?

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