

I nternational Association for I dentification



AFIS Committee Minutes

The International Association for Identification (IAI) AFIS Committee convened in Little Rock, Arkansas on 22 July 1998 for a business meeting. The AFIS Committee Chair, Peter Higgins, took roll and presented the agenda for the meeting. These minutes reflect the key discussions and decisions from the meeting.

Roll Call

Sixteen people attended the meeting, as listed below in alphabetical order.

Denny Baxter	Lockheed-Martin
Wayne Eaton	Sagem Morpho
Brian Finegold	UTA Contractor to IAFIS Program Office
Roland Gander	Head of Swiss Police AFIS Matters
David Hall	Hall Associates
James Haluska	Printrak International, Incorporated
Peter Higgins	Higgins & Associates, International
Tom Hopper	FBI, CJIS Division
Mike McCabe	Department of Commerce, NIST
Steve Meagher	FBI, Laboratory Division
Ken Moses	San Francisco Police Department
Rob Mungovan	Aware, Inc.
Fred Preston	Director UK NAFIS Program
Gerry Schmidt	Cogent Systems Incorporated
Cynthia Way	Higgins & Associates, International
Larry Wilkie	North Carolina Bureau of Investigation, AFIS Manager

Review of Cross Jurisdictional AFIS Demonstration Status and Plans

The Cross Jurisdictional demonstrations planned for 1998 included a move from the Internet to the National Law Enforcement Telecommunications System (NLETS) and operational AFIS sites. All of the tests using NLETS and operational sites were based on image data (both tenprint and latent images) and they were all successful. A Final Report has been published outlining not only what we did, but also documenting in detail the variations from the EFTS and the questions and suggestions made to the FBI during the demonstrations, on possible changes to the EFTS.

The Committee decided to do no further testing until a standard minutiae extraction for submittal to IAFIS has been defined. It is anticipated that this will happen in concert with the planned September Workshop to review the ANSI NIST Standard for the Exchange of Fingerprint Data.

Steve Meagher suggested, and the Committee agreed, that we should submit our Final Demonstration Report to IAI Board of Directors with the recommendation that they forward it to the FBI's CJIS Division for consideration as IAFIS evolves.

Tom Hopper – Report on Standards for ANSI Type 9 Records.

Tom Hopper reported that the FBI has been working with industry to develop Fields and Tags for the Type 9 Minutiae record that would be more compatible with the IAFIS System. He said they had already defined Tags13-24. They form the basis for a possible ANSI/NIST native mode interface to IAFIS for latent searches.

The question was asked: *Can someone pick up that interface definition and do a remote search at the FBI?* The answer was that Lockheed Martin (L-M), the FBI AFIS development contractor, is building a terminal to that specification. The FBI hopes that AFIS vendors will take advantage of this, but the expected availability of the documentation and the L-M workstation is not until July 1999. Tom stated that he is also developing a workstation for this purpose that will rely on a format translator. Tom suggested that interested parties send him e-mail (teh@cais.com) to get on his distribution list for updated information on this effort. In summation, Tom said there are three potential solutions to submitting native-mode latent minutiae to the FBI:

- Lockheed-Martin is building a software based workstation
- Tom is building a software solution
- Vendors can build their own solution.

The L-M approach defines the format for transmission to FBI. Translator approach (Tom's) lets you do it in Vendor A's format and translate it to FBI's format. EFTS Version 7 will include the new Type-9 interface specification.

Steve Meagher accepted an action to see what role should the IAI play in this effort. Steve will take this up with the Fingerprint Committee and see if they should take the lead or this Committee should.

Discussion of Use of IAI Test Results in Vendor Marketing

The Chair stated that he had been called by California Department of Justice (CAL DOJ) regarding a claim by an offeror that their participation in the Cross Jurisdictional Demonstrations implied that they met all CAL DOJ RFP requirements. The Chair cautioned vendors to use publicity from this effort appropriately and conscientiously.

ANSI/NIST Workshop Update – Mike McCabe

Mike McCabe gave us an overview of his presentation for the training session he will lead for the Committee tomorrow. In addition to Mike's presentation on the Workshop, Tom Hopper will

give an update on latent efforts. Mike encouraged people to let him know of issues for the September Workshop ahead of time. Information on the Workshop is available at www.itl.nist.gov/div894/894.03. Send comments on the ANSI NIST Standard and the Workshop to mccabe@nist.gov.

International Developments - Fred Preston

Dr. Preston traced the evolution of thinking within the UK Police Community on standards, prior to the February AFIS Committee meeting. The idea was to have a common standard, ANSI NIST, and then interpretations under that. Fred noted that their standard, UK1 (their EFTS equivalent), is based on the ANSI-NIST Standard. Since the 1993 publication of the ANSI/NIST, however, thinking has changed from one-on-one transmissions to a networking perspective.

Since February, they have been looking at the UK1 and Interpol implementations and recognizing that there is not a common approach at the detail level of the implementation of the ANSI/NIST standard.. They are also looking at making the ANSI/NIST standard an ISO standard. Fred solicited the vendors' opinions on this. The response was along these lines:

- The vendors stated that many customers now specify the ANSI/NIST standard in the international market.
- Printrak already uses it internationally, as does Sagem-Morpho, especially in the Nordic countries; Cogent echoed these comments.
- If it made into an ISO standard, neither ANSI nor NIST would be involved in development or maintenance of the standard.
- If we did this, we would need to first update ANSI standard as there are many issues already identified to be discussed this September.
- It would be good to get everyone having the same approach for interpretation of the ANSI/NIST standard.

The Committee agreed to spend the last part of the last day of the ANSI/NIST review to devote to international standards, recognition that there are language issues. Mike has already arranged for someone to address all of this at the upcoming workshop.

Directory of AFIS Sites Updates – Ken Moses

Donna was not present, so Ken Moses gave the update. He passed out a proposed format and requested vendors to ask their user groups to submit the completed form to Ken by 1 November 1998. Initially we are only interested in law enforcement agency AFIS systems, although the Committee had some lively discussion on this topic as civilian repositories are very useful in disaster responses such as TWA-800. Steve proposed collecting a list of non-law enforcement AFIS sites, recognizing that we will need to change the template. The Committee decided to collect a list of non-law enforcement AFIS vendors and systems, if possible, but that Ken would hold that information until later.

We discussed the format for publication. Ken advised that the IAI still wants to make money from this effort, and that we probably would not do it on the Internet. (After the meeting, the Chair met with the Executive Secretary of the IAI who said that the IAI could accept credit cards via the Internet for downloading a copy of the list.) We discussed hard copies that would be

updated every five years, and talked about putting the list on a “Gold Disk” CD for large departments with many sites (e.g., national police forces). We also agreed that we would use either MS Excel or MS Word as the software package. We decided that if a site has a remote latent workstation, it counts as an AFIS site, but if the site only has a live scan, it does not count as a separate site.

Update of Palm Print Standards – Steve Meagher

Steve reported that the goal is to encourage live scan vendors to adhere to the electronic record standard. A card format was approved last year following a joint FBI-IAI effort the electronic standard was approved the previous year. Steve reported that the FBI is now printing standard palm print cards.

Palm AFIS and Palm Live Scan Development – AFIS Vendors

The Chair asked each of the AFIS vendors present to provide a glimpse into their plans for Palm AFIS and Live Scan Palm Readers. At that point in the meeting, only two companies were represented.

Printrak: In-house work is underway; they are continuing efforts on search process and integrating palm prints into their live scan device. Some of their clients are scanning inked palm prints into their repositories for future searches.

Sagem Morpho: Palm print conversion, last summer, did a backfile conversion for Finland. A 2000 x 2000 pixel area (4” x 4”) was specified by Finland. Morpho can do a larger area. A matching system is under development, transparent matching, regional searches, and user interface tools for user verification.

Ground truth: We discussed having a Ground Truth Test Set for Palm Prints and agreed that we would address this after the ANSI-NIST meeting. The members agreed to have a Committee meeting at the end of the September ANSI-NIST Workshop and to investigate having NIST develop a CD database of palm prints.

Training Session Updates

Steve gave an update on his briefings for the next day’s training sessions.

New Business

There was no new business. We agreed to have the next AFIS Committee Meeting on Friday, September 25, following the ANSI-NIST workshop. Peter has coordinated this with Mike McCabe. However, after the Little Rock meeting, a conflict on the 25th surfaced and the next Committee meeting will be held on the evening of September 23 in Gaithersburg, MD. The location is still to be determined.

I AI AFIS Committee Meeting Minutes

If there are any questions about these minutes they should be addressed to the Chair, Peter Higgins, at:

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