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## Featured Article

### Build 2A Integrator

The FALCON Project welcomes Unisys as the Build 2A integrator. After a thorough evaluation of bids, FDLE signed a contract with Unisys on March 28, 2007. Unisys has a talented team working on Build 2A, which is the foundation build for the FALCON System.

This effort is moving along well. The FALCON technical staff is working with Unisys to ensure that the system is robust, meets users' needs and is supportable. Unisys presented the Preliminary Design Review (PDR) on August 1, 2007.

At PDR, Unisys presented a high-level design of the system, including the technologies they plan to use. Unisys is working on a proof of concept, which will result in the development and presentation of fundamental FALCON workflows.

Both the PDR and proof of concept were presented in August.

## FALCON Project Status

The FALCON Project continues as a high-priority project for FDLE. The project is a huge endeavor and has many sub-tasks. The current and recent activities include:

- Integrator Selected to Build the Foundation Layer - Build 2A
- Rapid ID Pilot Current and Expanded Uses
- Biometric Workflow Replacement

## Biometric Workflow Replacement

FDLE is currently working towards replacing the current biometric workflow. The biometric workflow is processed through the AFIS2000 System. This system's hardware is approaching its end of life.

The AFIS2000 has three principle functions:

1. Fingerprint Workflow Management
2. Fingerprint Image Repository
3. Fingerprint Searching/Matching

FDLE and the FALCON Team are diligently working on the biometric workflow replacement effort. This month a request to purchase the Motorola solution through a sole source acquisition was approved. This will allow FDLE to move forward with negotiations with Motorola to customize their solution to meet our needs.

Motorola will integrate the biometric workflow replacement into FALCON and provide improved biometric capabilities, including palm print storage and search!

The goals of this effort are as follows:

- Modernize the existing legacy Automated Fingerprint Identification System (AFIS) to include new and improved biometric matching, processing and storage to include the storage and searching of palm prints.
- Enable the capture and storage of additional biometric data elements that provides for the creation of a multimodal repository and the potential for biometric fusion.
- Provide the interfaces to contributors and consumers of biometric data.
- Provide the interoperability necessary to exchange biometric data with local, state, and national agencies all based on open and national standards for biometric data.
- Continue to support the interfaces to established FDLE systems that exchange criminal and biometric data.

## Rapid ID Pilot

The fingerprints from 1-2 fingers are captured and submitted, the prints are compared to over 4 million subject records, the system checks for wants and warrants files and returns the results in less than 1 minute.

The Rapid ID Pilot is being used by Sheriff's Offices and Probation Offices. Expanded use of the Rapid ID Pilot includes the current effort underway by the Florida Highway Patrol (FHP) to use the technology to perform biometric verification during roadside stops.

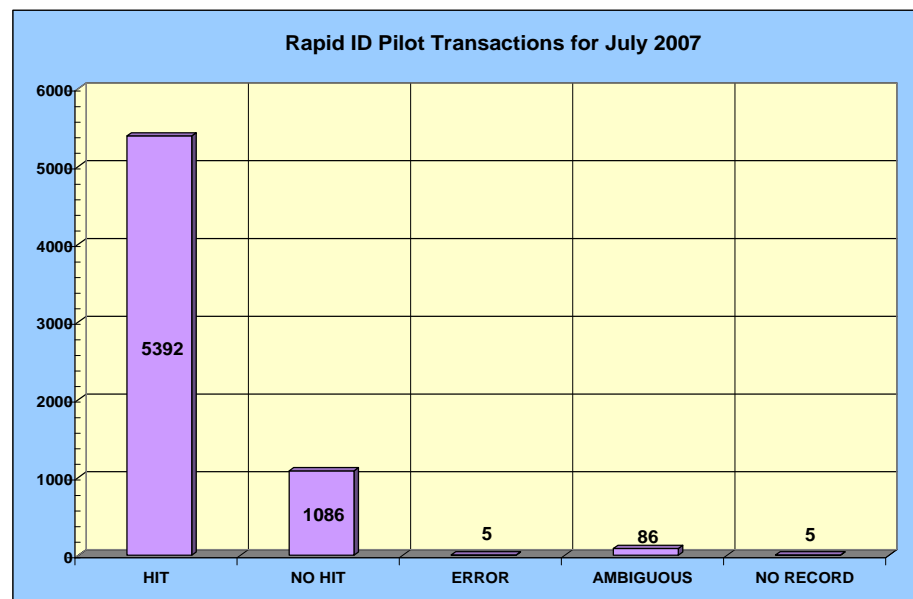
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## Rapid ID Pilot

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FHP is testing the use of un-tethered (wireless) devices. These small devices are carried by the law enforcement officer. Additionally, the Pinellas County Jail is utilizing this technology to perform biometric identification at intake, movement and release of prisoners.

The Rapid ID Pilot statistics, shown below, represent the transactions submitted during the month of July. A total of 6574 transactions were submitted, of which 5392 resulted in a "hit." A hit means the fingerprint matched an existing criminal record. A "no hit" may occur due to the quality of the fingerprint submitted or on record. An "ambiguous" response indicates more than one potential candidate exists in the Rapid ID database. A "no record" means that the DLE number submitted does not exist in the Rapid ID database, and an "error" response is returned anytime the system identifies a problem with the submission.



| Rapid ID Pilot July Transactions |                   |
|----------------------------------|-------------------|
| <b>Search</b>                    | <b>6390</b>       |
| <b>Match</b>                     | <b>184</b>        |
| <b>Total Transactions</b>        | <b>6574</b>       |
| <b>HIT</b>                       | <b>5392 82.0%</b> |
| <b>No HIT</b>                    | <b>1086 16.5%</b> |
| <b>ERROR</b>                     | <b>5 0.1%</b>     |
| <b>AMBIGUOUS</b>                 | <b>86 1.3%</b>    |
| <b>NO RECORD</b>                 | <b>5 0.1%</b>     |

Statistics as of July 31, 2007

## Biometric Task Force and Biometric Regional Workgroups

The biometric workflow replacement effort includes the formation of a Biometric Task Force and Biometric Regional Workgroups. The Biometric Task Force held their kickoff May 9-10<sup>th</sup> of this year and will schedule additional meetings as required. The Biometric Task Force is critical in providing strategic planning information. This group provides insight on the direction of the technology required to support the needs of our state.

The Biometric Regional Workgroups were established in May and June 2007. The workgroups will meet on a quarterly basis and consist of representatives from all seven FDLE regions. The Biometric Regional Workgroups are critical to the Biometric Workflow Replacement effort. From collecting data during the arrest process to transmitting fingerprint data to the FBI, each process is being discussed and the workflow is being documented.

If you are interested in participating in a Biometric Regional Workgroup, please contact [FloridaFalcon@fdle.state.fl.us](mailto:FloridaFalcon@fdle.state.fl.us).

## Links and Contact Information

FALCON website <http://www.falconichs.com/>

FALCON Email [FloridaFalcon@fdle.state.fl.us](mailto:FloridaFalcon@fdle.state.fl.us)

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