

**BULLETIN NUMBER 1  
QUESTIONS AND RESPONSES RELEASE  
MULTI-BIOMETRIC IDENTIFICATION SYSTEM (MBIS)  
REQUEST FOR INFORMATION NUMBER 414-SH**

This Bulletin Number 1 is being issued to provide additional information and/or clarification about the current LACRIS RFI by answering relevant questions that have been received concerning the above Request for Information (RFI). The responses are final and become part of the RFI. No further questions or follow up will be accepted. As a reminder, pricing for this RFI is requested for budgetary purposes only, not as part of a "proposal" since this is NOT an RFP.

**The date for submitting responses to this RFI has been extended to February 19, 2010. Any responses already submitted may be resubmitted or additional information may be provided.**

Questions (regular font) and *Responses (Italic)*:

- 1) The RFI does not list the number of identities in the current system or the number of finger, palm, latent and face records in the system. Could this information be provided?

*There are approximately 5 million records, over 10 million Ten Prints, over 1.5 million palmprints, over 175,000 latents, and approximately 5.5 million face records. A new MBIS, if obtained, should be sized to hold at least 7.5 million subjects.*

- 2) The RFI is not clear on whether, of the minimum 6 records per subject if all are to be enrolled in the matching system or the 6 records per subject are for archival purposes. Please clarify. Is the record data stored with-in the AFIS and does LASD maintain the master database of records?

*All 6 records per subject will be enrolled, and anything above the 6 records per subject will be archived. The record data is stored in the AFIS.*

- 3) The RFI refers to the current system using Dataworks PhotoManager coupled with Cognitech's facial algorithm. However, unlike the fingerprint element, the RFI does not cite response times for the existing face matching component. Could this information be provided?

*The response for a facial recognition search using Dataworks Photo Manager is 30 seconds.*

- 4) The RFI suggests that a vendor with their own facial algorithm may implement it in a new system to which the RFI is directed. It also requires that a new algorithm be integrated into the Dataworks Photo Manager. May we assume that Dataworks has been notified or expects that another algorithm may need to be integrated as a result of LASD vendor selection including this?

*This is a Dataworks contract requirement.*

- 5) There is a stated requirement for search time limits for all biometrics except for face. What is LASD's required search time for face should a new face matching system be offered and integrated into Dataworks Photo Manager replacing the Cognitech facial algorithm?

*The response time for a facial recognition search response is 30 seconds. Replacing the Cognitech facial algorithm is not an option.*

- 6) There are matching accuracy requirements for finger and palmprints; however, there are no matching accuracy requirements for face and iris as standalone systems. Please provide required expectation for accuracy for face and iris?

*There are no expectations, as we are requesting vendors to enlighten us as to accuracy capability for standalone face and iris.*

- 7) There is a requirement for new interfaces to include web services. Typically there are two ways, depending on the context and questioner, that this can be interpreted. Does this mean that you envisage exposing biometric services to web-type system interfaces, browser based end-user applications, or both? Please expand in as much detail as you can about what usages are envisaged.

*Both. It is our intention to learn more about what is available today to better answer this question for LACRIS. We prefer system to system interface to be web services, but not all systems are capable at this time, and end user applications preferably to be browser based. Both will be running SSL.*

- 8) For the requirement of easy workflow modifications, is it the vision of LASD to have workflow that is modifiable by the LASD or only one that it is modifiable by the original vendor?

*Our desire is to make workflow modifications ourselves, as long as the tools are easy to use and training included. The final decision will depend on the level of complexity of a "do it yourself" workflow and the modification tools versus the cost of vendor supplied modifications.*

- 9) What are the Use Cases envisioned for IRIS?

*Enrollment at booking, field identification, and custody release verification.*

- 10) Can LASD provide more information on current external system interfaces listed below, for consideration in the budgetary pricing proposal, as per RFI document page (3) bullet (5)?

-Countywide Jail Management System  
- Other downstream systems.

*Not for the purposes of this RFI. Examples provided should be sufficient.*

- 11) Are these interfaces proprietary or do they support open standards and data transfer protocols? Who is currently maintaining these systems? Should vendors assume that these external interfaces would remain as is, after the future AFIS replacement by the MBIS?

*One interface is proprietary, the others meet standards. LASD or its vendors maintain these systems. The current interfaces may change depending on the implementation of a new MBIS, if acquired.*

- 12) Regarding the “search speeds” mentioned in the document page (2). Are these the search response times (matcher time) or total turnaround times (which include the system, network latency and processing overhead). On the tenprint to tenprint matching, on average, how many fingers are matched per search to produce <=2 min search speeds? Are these cold searches (no pre-filter)?

*Matcher times. Yes, to get matcher times and tenprint to tenprint matching speeds depends on the type of transaction. Yes, no pre-filter.*

- 13) Does the current system have disaster recovery (DR) ability in place that the vendors should consider in the MBIS budgetary pricing? If DR ability is in place how far are the primary and DR sites from each other?

*Yes, LACRIS owns a Disaster Recovery AFIS currently running in tandem with the production AFIS, increasing our matching capability. It is intended that if a new MBIS is obtained, it would utilize this Disaster Recovery AFIS, but how the utilization of the backup system will occur has yet to be determined. An interface will be required for the Disaster Recovery site. The DR site is approximately 20 miles from the primary site.*

- 14) Regarding page (2) bullet (4) – Ability to convert data from existing AFIS (tenprint & latent). Does current system store all the data (tenprint & latent) in NIST format in compliance with NIST standards that the replacement vendor can use for populating the MBIS?

*Tenprint is in NIST format in both archive and AFIS. Latent data is not in NIST format.*

- 15) In the existing business process, is the county fusing the facial matching and fingerprint matching results, or these matching results are separate used for separate business applications?

*Currently, we are not fusing the facial matching and fingerprint results. However, our existing systems do validate each other. We are considering upgrading our existing systems or obtaining a MBIS to increase accuracy using multiple biometrics.*

- 16) Does the Department expect the RFI process to result in a RFP for a MBIS? If so, in what timeframe?

*The purpose of the RFI is to assist the Department in determining the feasibility of obtaining a new Multi-Biometric Identification System (MBIS) or upgrading our existing systems.*

- 17) What are the compelling events which motivated LASD to investigate a new MBIS?

*LACRIS intends to maintain its leadership role in the identification of criminals, and in anticipation of our AFIS contract coming to an end October 2011. See also Question #18.*

- 18) Has the Department researched other comparable sized departments and comparable projects with respect to complexity, duration and cost?

*We have closely monitored the NGI purchase by the FBI.*

- 19) For database conversion purposes, will the original captured images of all 10 print, latent and palm prints be made available?

*Yes.*

- 20) Is the current palm database in synch with 10 print database?

*Yes.*

- 21) Is LACRIS intending to replace your mobile user's hardware devices?

*No.*

- 22) Please explain what you mean by an “eco-friendly ‘green’ solution” in terms of an MBIS?

*Environmentally friendly regarding e-waste and power consumption.*

- 23) Where “per day” is referred to, does this mean 365 days per year?

*Yes, including leap year.*

- 24) What are the % accuracy ratings for the current system in terms of 2 fingers, 4 fingers, and 10 fingers? What database size was used in deriving these figures?

*Our current accuracy rating for our AFIS is approximately 95% for 2 finger searches, 99.95% for 4 finger searches, and ten finger searches are not utilized today. Our existing tenprint database was used.*

- 25) Are photographs (facial images) to be kept in MBIS as well as in Dataworks PhotoManager?

*Not outside of the NIST files.*

- 26) Please explain what is meant by “easy workflow modifications include Field Booking, Warrant and FI databases” – eg is a new workflow system independent of the AFIS to be introduced to interface with these databases?

*These modifications would be to create new databases and new types of transactions to feed, search and respond to other systems (including the primary AFIS tenprint database).*

- 27) What is meant by “100% accuracy rating” given no biometric system can achieve 100% accuracy whether multimodal or not?

*It our understanding that there are systems out there (IRIS) that are claiming 100% accuracy and we are looking to improve upon our current identification capabilities by utilizing the latest technology.*