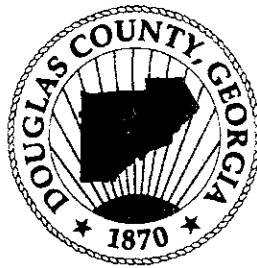


BILL C. PEACOCK
Director - Purchasing



DOUGLAS COUNTY BOARD OF COMMISSIONERS

PURCHASING DEPARTMENT

8700 Hospital Drive • Douglasville, GA 30134
Telephone (770) 920-7247 • Fax (770) 920-7219

SEPTEMBER 29, 2011

DOUGLAS COUNTY BOARD OF COMMISSIONERS

PURCHASING DEPARTMENT

8700 HOSPITAL DRIVE
DOUGLASVILLE, GEORGIA 30134

Proposal Date:
September 28, 2011

Solicitation Number
11-014

Return Proposal By:
October 26, 2011
10:00 A.M. EST

Please submit a sealed price proposal on the items listed below (Note: No Faxed Proposals). The submissions will be received at 8700 Hospital Drive, Douglasville Georgia until the date and time shown above and publicly opened as soon thereafter as practicable. Final determination as to equal quality of substitution will be made by the Purchasing Department. The Douglas County Board of Commissioners reserves the right to award this proposal, to refuse all proposals and waive technicalities. A Bond in the amount of five-percent (5%) must accompany your proposal, unless otherwise indicated.

Automated Fingerprint and Palm Print Identification (AFIS/APIS) and Automated Live-Capture Fingerprint (2-Finger) Identification System

Questions regarding this RFP may be e-mailed to Ms Betty Butler, bbutler@co.douglas.ga.us, in the Purchasing Office of Douglas County no later than October 14, 2011, at 3:00 P.M. EST. Response to questions will be no later than October 19, 2011, at 5:00 P.M. EST.

This Request for Proposal includes introduction, detailed specifications/provisions and other pertinent information to assist you in preparing your proposal.

Respectfully,

NOTES:

1. "Solicitation Number 11-014" must appear on the outside of the proposal envelope. Bond shall be attached to proposal form.
2. No oral, telephonic, telegraph, facsimile proposals, modifications, or alternate proposals will be considered after proposal submittal. Proposals will not be considered from firms, individuals, or the same owners of separate companies submitting more than one proposal.
3. Three (3) "No Responses" to RFP will be reason for deletion of firms' name from the vendor list. Once deleted from vendor list, firms' name may be placed back on the vendor list with a written request from the firm.
4. Proposal results will be posted on Douglas County's website approximately five (5) days after the proposals opening and will remain for approximately thirty (30) days. Douglas County's web address is: www.celebratedouglascounty.com.
6. Proposals may be submitted as follows:

MAILING ADDRESS
Douglas County Board of Commissioners
Attn: Purchasing Department
3rd Floor
8700 Hospital Drive
Douglasville, Georgia 30134

_____ Company	Terms of Payment: _____
_____ Mailing Address	Delivery Date: _____
_____ City State Zip	Company Phone No.: _____
_____ Official Signature	Fax No.: _____
_____ Official Name (Type/Print)	Federal I.D.# _____
_____ Title	E-Mail Address: _____

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I. GENERAL INFORMATION TO VENDORS

INTRODUCTION

The Douglas County Board of Commissioners is seeking proposals for an integrated Automated Fingerprint and Palm Print Identification (AFIS/APIS) and Automated Live-Capture Fingerprint (2-finger) Identification system including software, implementation services, training, compliance maintenance, and technical support. The scope of the new system and the timeline for purchase and implementation will depend on the specific characteristics of proposed systems as well as price. The purpose of this request is to solicit detailed information from prospective vendors about their capabilities to provide such systems.

We invite you to submit a proposal for such systems that satisfy the specifications outlined in this document.

VENDOR INSTRUCTIONS

This document contains two sections. The first section contains proposed organizational and information systems information about the Douglas County Board of Commissioners. The second section is the Vendor Response Document. This section requests information to be used in evaluating your proposal. Questions must be answered in the specified format. Additional information may be attached if cross-referenced to the listed item(s). Questions concerning specifications or response format may be submitted to:

**Douglas County Board of Commissioners
Purchasing Department
Attention: Betty Butler
8700 Hospital Drive
Douglasville, Georgia 30134
Email: bbutler@co.douglas.ga.us**

All questions and answers will be faxed or emailed to all proposal recipients.

TIMELINE

Description	Date / Time
RFP Issue Date	September 28, 2011
Cut Off Date and Time for Questions	October 14, 2011 3:00 PM EST
Response to Questions	October 19, 2011 5:00 PM EST
Proposal Due	October 26, 2011 10:00 AM EST

PROPOSAL EVALUATION AND SELECTION PROCESS

The Douglas County Board of Commissioners will review all proposals with particular emphasis on the following:

- Solution must be running in a Windows Server 2008 (or greater) based environment, utilizing a 2008 (or greater) Enterprise edition SQL Server Relational Database.
- Vendor's responses to the "Required Specifications".
- Ability to complete installation of the system within a reasonable and satisfactory timeframe.

- Availability of vendor support team for trouble shooting and ongoing consultation with the **Douglas County Board of Commissioners**.
- Conformance to required contract provisions.
- Company size, financial strength, and stability.
- Service aspect of proposal.
- Implementation and training program and commitment.
- Vendor's ability to assist in the technological migration to their system.
- Warranty of the completed system.
- Vendor's previous record of performance and service, including available support.
- Three or more references of clients in the State of Georgia for same proposed system.

The **Douglas County Board of Commissioners** will be the sole judge of the appropriateness and completeness of any and all proposals and reserves the right to reject any and all proposals that do not provide the information requested. Neither the **Douglas County Board of Commissioners** nor any agent thereof on behalf of the **Douglas County Board of Commissioners** shall be obligated in any fashion by any response(s) to this RFP. The **Douglas County Board of Commissioners** reserves the right to negotiate those issues not included in the proposal document. The **Douglas County Board of Commissioners** will not reimburse vendors for costs incurred in preparing proposals or traveling to the City to demonstrate products. Moreover, **Douglas County Board of Commissioners** reserves the right to make no selection if proposals are deemed to be outside the fiscal constraint or not in the best interest of the County.

DOUGLAS COUNTY BOARD OF COMMISSIONERS REQUIREMENTS FOR INDEMNIFICATION AND INSURANCE

The successful vendor shall agree to indemnify, defend and hold harmless the **Douglas County Board of Commissioners**, its officers, officials, consultants, agents and employees harmless from any liability for damages or claims for damages to the extent arising from personal injury, including death, and /or tangible property damage. The vendor shall procure and maintain for the life of the Contract/Agreement Worker's Compensation Insurance covering all employees with limits meeting all applicable state and federal laws. This coverage shall include Employer's Liability with limits meeting all applicable state and federal laws. This coverage shall extend to any subcontractor that does not have their own Worker's Compensation and Employer's Liability Insurance. Thirty (30) days notice of cancellation is required and must be provided to the **Douglas County Board of Commissioners** via Certified Mail.

The vendor, if awarded a contract, shall maintain any additional insurance coverage reflecting the minimum amounts and conditions specified by the County.

DOUGLAS COUNTY BOARD OF COMMISSIONERS PROFILE

Douglas County Board of Commissioners is the governing body for the county and provides many services to county residents. The population of Douglas County is approximately 132,403. The County has approximately 1,021 full and part-time people. The Douglas County Sheriff's Office has approximately 221 full and part-time deputies and support personnel. The County Information Systems Department provides various levels of computer services to the Revenue Commission, Probate Office, District Attorney's Office, Sheriff's Office, Youth Corrections, Support Services, Finance, and the County Commission.

VOLUME INFORMATION

Description Estimated Quantity

Approximate Number of NIST Files from LiveScan	??????
Approximate Number of Ten Cards on File	54,000
Approximate Number of Henry Classifications on File	0
Approximate Number of Fingerprint prints per year	??????

PRESENT ADMINISTRATIVE COMPUTING CAPABILITIES AND TECHNOLOGY DIRECTION

All computer based applications are currently running on Microsoft Operating Systems and SQL Server Relational Databases that reside on dedicated physical host hardware utilizing VMWare vSphere 4.x (or greater) and or Microsoft Hypervisor-based server virtualization technologies. Most application packages that currently are on servers have been provided by third party vendors using current .NET programming languages. These systems are all under annual maintenance agreements for upgrades and technical support. The in-house IS staff is used in a support role to assist users with day to day problems and questions, write Crystal and other type reports, and to assist with modifications and upgrades provided by the vendors.

LIST OF SOFTWARE MODULES TO PROPOSE

1. AUTOMATED FINGERPRINT AND PALM PRINT IDENTIFICATION SYSTEM (AFIS/APIS)

System capable of importing and processing fingerprint and palm print images from live scan devices, digital cameras, and scanners along with remote networked work stations, and of conducting remote searches of similar NIST-compliant systems via encrypted secure internet-based transactions. This system will be used to construct and manage a local database of known fingerprints and palm prints and to use that database for automated searching of latent fingerprints and latent palm prints recovered at crime scenes. This system must be capable of forward searching of latent prints to known prints and known prints to known prints, reverse searching of known prints to latent prints, and searching of latent prints to latent prints, and must also meet or exceed all of the additional specifications listed in this document.

2. AUTOMATED LIVE-CAPTURE FINGERPRINT (2-FINGER) IDENTIFICATION SYSTEM

Internal Windows OS based system which is capable of importing and processing fingerprint images from single-finger digital capture devices, live scan (rolled impression ten print) devices, and digital flatbed scanners along with remote networked workstations. This system will be used to construct and manage a local database of known fingerprints and share the database of same proposed AFIS/APIS system listed above, and use that same database for automated identification and/or verification of live subjects. This system must be capable of capturing, storing and providing as a comparison source for identity verification all ten fingers of each enrolled subject. The system must have the ability to utilize a single-finger digital imaging device to capture the fingerprint of a live subject for comparison to the corresponding record fingerprint in the database. The verification system must provide the ability to capture from two to ten fingerprints from a live subject and search those images against the record fingerprints held in the database.

II. VENDOR INFORMATION AND FUNCTIONAL REQUIREMENTS

EXECUTIVE SUMMARY

Please provide an Executive Summary written in non-technical language describing your scope of services and understanding of this proposal. The Executive Summary should not include pricing of any kind.

COMPANY PROFILE

Describe your company, including but not limited to, its years in business, general markets its services, number of clients using the software you are proposing for administration, and any distinctiveness of your company relating to the not-for-profit government computing marketplace. The County, at its option, may require a vendor to provide additional support and /or clarify requested information.

REFERENCES

Include three or more references of clients in the State of Georgia similar to us for which your company has installed same proposed **AFIS/AFIS system** (Attach additional sheets as necessary). For each reference include:

- agency name
- contact name
- physical address
- telephone number
- email address
- date of installation
- model of system(s) installed
- brief summary of the system architecture

Include three or more references of clients in the State of Georgia similar to us for which your company has installed same proposed **Automated Live-Capture Fingerprint (2-finger) Identification System** (Attach additional sheets as necessary). For each reference include:

- agency name
- contact name
- physical address
- telephone number
- email address
- date of installation
- model of system(s) installed
- brief summary of the system architecture

TECHNOLOGY

Describe the computing hardware and database you propose to use to operate your software systems. Keep in mind Douglas County's requirements for Microsoft Operating Systems, SQL Server Database software, and Server Virtualization in addition to security technologies. List any additional "other vendor" support products required to support the recommended computing environment and/or your proposed application software. The County will be responsible for purchasing the hardware separately. The County prefers Dell Hardware. Please

provide detailed specifications and quantities of servers required to support your applications including development, testing, training, production and web. The vendor should explicitly state the name of any third-party products that are part of the proposed solution to the County's list of requirements. For each third-party product, there should be a statement about whether the proposer's contract would encompass the third-party product and/or whether the County would have to contract on its own for the product.

CLIENT – SERVER APPLICATION SECURITY CONSIDERATIONS

This section encompasses basic minimum security standards as defined by the Information Systems Department for the Douglas County Board of Commissioners. These considerations are for the design and implementation of any client-server Web or Desktop application for the Douglas County Board of Commissioners. All Internet, Extranet, and Intranet applications have many potential uses, and varied security requirements. They range from portal applications that require no user authentication, through Web applications that provide content for authenticated users, and e-commerce applications that require full authentication, authorization, credit card validation and secure communication of sensitive data over public and internal networks. Additional research and planning should be conducted for each particular application's deployment scenario to ensure all potential security risks have been considered.

Minimum Security Considerations

- Use SQL Server permissions and roles to ensure application level authentication to the SQL Server Database.
- The database trusts the application to authenticate users properly (that is, the application makes calls to the database on behalf of the users).
- A single user-defined database role is used within SQL Server for database authorization.
- User credentials are validated against a SQL Server database or Microsoft® Active Directory® service.
- Anonymous users can browse the application's unrestricted pages.
- Use of SSL to ensure the integrity and privacy of sensitive data as it flows across public and internal networks
- Use of IPSec to secure sensitive data sent between the Web application server and the database server.
- All user input (such as user credentials) that is used in database queries is validated to mitigate the threat of SQL injection attacks.
- The front-end Web application is located within a perimeter network (also known as DMZ, demilitarized zone, and screened subnet), with firewalls separating it from the Internet and the internal corporate network (and the SQL Server database).
- The application requires strong security, high levels of scalability, and detailed auditing.
- Other considerations should be made to ensure that the application uses appropriate defense mechanisms and is designed to be scalable in addition to being optimized for highest level of performance.

IMPLEMENTATION

Please describe your implementation methodology, client/vendor roles and responsibilities for the implementation and necessary client resources for a successful implementation. Please also provide a detailed implementation plan. This information must include:

- Project organization chart
- Detailed implementation methodology
- Detailed conversion methodology for providing the necessary levels of data conversion of as much data as possible from the current applications to the new system.

- Conversion support and methodology should include at a minimum conversion of the following data:
- NIST/EFT files currently stored on dedicated repository located on a SAN
- Implementation plan, including estimated time-frame and deliverables for each stage of the project
- Expected number of County employees required at different stages/modules of the implementation process and for ongoing support.
- Level of expertise (e.g., novice, proficient or advanced) required of County staff for conversion and implementation, report writer, database and other system component maintenance, and for implementation and maintenance of hardware and software.
- The basis for identifying staff should be in hours, not FTE. Analysis of staffing levels should be made on the basis of hours to maintain consistency for all proposers.

TRAINING

The proposer must provide a detailed plan for training.

- Overview of proposed training, including options for on-site or training center services, end users and data processing personnel
- Sample training manual or class outlines
- Describe your company's training methodology and primary concepts used.
- Describe training assessment and evaluation procedures.

ON-GOING MAINTENANCE AND SUPPORT SERVICES

Describe services and support available after completion of implementation.

- Hotline assistance (hours available, normal response time after initial call made, support communication capabilities [telephone, fax, Internet] remote diagnostic capabilities, billing for assisting, etc.).
- Problem reporting and resolution procedures.
- Delivery method of future upgrades and product enhancements (include history of frequency of upgrades for major modules.
- Describe the documentation you supply.
- Define any special plans defining "levels" of customer support.
- Describe the participation clients have in the selection and design of features going into your future products and services.

SAMPLE CONTRACT

Please provide us a copy of your proposed agreement.

FUNCTIONAL REQUIREMENTS KEY

The AFIS/APIS and live-capture fingerprint identification systems submitted in response to this proposal must be able to search the database of, and communicate with other same proposed AFIS/APIS systems currently in use in other agencies. ***The successful proposer must be prepared to demonstrate these communication and remote search capabilities prior to a final award.***

All replies to this proposal's specifications and requirements must include a separate YES or NO response in the space provided to the left of each individual numbered or lettered specification indicating whether the proposed system provides the required capability, feature or function described in the specification. In items where a particular brand name or model of hardware is specified a different brand or model, equivalent or better in quality, may be submitted.

It is the intent of these specification requirements to describe equipment and software to perform certain functions necessary for the efficient operation of an automated fingerprint and palm print identification system and of an automated live capture 2-finger identification system. Proposals that do not meet, prove equal to, or exceed all of these minimum required specifications are subject to rejection. Proposers stating "equal to" or "exceeds" on an individual specification must provide documentation to support that statement and note it on the "Exceptions" page of this document for each respective system. Failure to submit this required documentation may result in rejection of the proposal.

Fill in the blanks "Yes" if meeting or exceeding the numbered specification(s) and "No" if exception(s) is taken to the numbered item. A checkmark will not suffice. **This form must be correctly completed and returned in order to constitute a valid proposal, including the signature of an authorized company representative. Failure to do this will subject your proposal to rejection. All "No" answers must be fully explained in the "Exceptions" section of this document.**

1.0 AUTOMATED FINGERPRINT AND PALM PRINT IDENTIFICATION SYSTEM

YES/NO	NUMBER	AFIS/APIS SOFTWARE SPECIFICATIONS:
_____	1.1	All software employs a Windows based operating system.
_____	1.2	Software provides both automatic and manual extraction of minutiae. Automatic extraction is defined as the selection and plotting of individual ridge details and their relationships to other minutiae within the print, without user interaction.
_____	1.3	Software allows the operator to manually edit minutiae indicators at any point in the process, including the final comparison screen.
_____	1.4	Software supports searches of known inked fingerprints to known inked fingerprints, known inked fingerprints to latent fingerprints, latent fingerprints to known inked fingerprints, latent fingerprints to latent fingerprints, latent palm prints to latent palm prints, latent palm prints to known inked palm prints and known inked palm prints to latent palm prints.
_____	1.5	Ability to distribute the processing workload of a single search or multiple searches across a master search engine and multiple client search engines running on multiple processors, either on a single motherboard or on multiple networked computers.
_____	1.6	Ability to conduct remote "lights-out" searches of other compatible AFIS/APIS systems via a secure encrypted internet-based transaction server, including the ability to search tenprint, palm print and latent prints with a single search request.
_____	1.7	The proposed system must provide the ability to submit a separate "lights-out" request for transmission of a complete EFTS record of any candidate received from a remote system as the result of a remote search transaction. The requested EFTS record must be transmitted by the remote system, received by the proposed system and registered in the proposed system's database without the use of any external application, and without intervention or involvement by the system operator on either end of the transaction.
_____	1.8	The proposed system must provide all of the remote search and EFTS file transaction capabilities described in the two immediately preceding requirements with the proposed AFIS/APIS systems currently in use by Ten or more Georgia agencies. The proposed system must be capable of demonstrating the described search and transaction functions with all of the described agencies and their respective databases prior to award. (References – Installed systems section)
_____	1.9	Ability to interface with mobile ID systems for "lights-out" mobile fingerprint search and identification.

- _____ 1.10 Ability to scan or import fingerprint, palm print and/or latent images at resolutions from 500 ppi to 9,600 ppi. System must be capable of utilizing images at any resolution within this range for all search and match functions within the same database.
- _____ 1.11 Ability to limit latent search rotation parameters to either +/- 45 degrees or +/- 90 degrees, when applicable and preferred.
- _____ 1.12 Ability to search latent prints in complete 360 degrees rotation when correct orientation of latent print is unknown.
- _____ 1.13 Stereo comparison of candidates with lines connecting matching minutiae points. (Either one at a time or all together.)
- _____ 1.14 Ability to interface with multiple live scan devices.
- _____ 1.15 Ability to scale photographs imported from either conventional photographs or digital sources.
- _____ 1.16 Ability to import and export single latent images or complete tenprint or palm print records to other systems via network or internet using EFTS/NIST File Transmission Standards
- _____ 1.17 Ability to segment the palm into at least ten (10) sections to enable the operator to limit the search to specific areas of the palm, when the area is known.
- _____ 1.18 Automatic minutiae extraction of each of the ten (10) sections of the palm is based on a quality assessment of the image in each section, totally independent of the other sections.
- _____ 1.19 Ability to launch latent palm print searches against multiple sections of the palm simultaneously.
- _____ 1.20 Ability to launch searches of multiple latent prints against the entire database (to include latent to tenprint, latent to inked palm print and latent to latent searches) simultaneously.
- _____ 1.21 Allow administrative control to enforce mandatory user documentation of editing or modification of tenprint, palm print or latent records.
- _____ 1.22 Provide option to use either WSQ or JPEG 2000 compression algorithms.
- _____ 1.23 Scanning template for tenprint cards allows for substitution of any rolled impression with the appropriate plain impression during the initial scanning process.
- _____ 1.24 Ability to interface with multiple image enhancement software programs. (Adobe PhotoShop, More Hits, etc.)
- _____ 1.25 Ability to classify known inked fingerprints, including placement of cores and deltas, pattern interpretation, and ridge counting.
- _____ 1.26 Ability to automatically convert NCIC fingerprint classification to Henry classification without user intervention.
- _____ 1.27 Ability to store a minimum of three sets of tenprint records and three sets of known inked palm prints for each individual included in the biographical records grid.
- _____ 1.28 Fully customizable biographical records grid with drop down menus for standard physical attribute descriptors.
- _____ 1.29 Ability to customize latent searches through the use of biographical data related to known prints and latent prints, in

- conjunction with rotation, pattern type and finger position or corresponding area of the palm.
- _____ 1.30 Ability to designate latent case files as “closed cases”, allowing the latent records to remain in the database, but excluding them from subsequent searches.
- _____ 1.31 Ability to designate individual latent images within a case file as “identified”, excluding them from subsequent searches while allowing any additional latent images within the same case file which are not yet identified to continue to be searched.
- _____ 1.32 Automatic rotation of latent print to the computer match position with each known print on the candidate list.
- _____ 1.33 Ability to automatically import and extract records from connected live scan devices without user intervention.
- _____ 1.34 Ability to capture or import multiple photos into each record from a TWAIN compliant camera, flatbed scanner or pre-existing digital photo file. Must have the ability to designate photos as mug shots, scars, marks or tattoos.
- _____ 1.35 Ability to print a copy of any photo which is a part of a database record.
- _____ 1.36 Provide an integrated automatic backup utility to allow unattended scheduled backups or on-demand backups of all records. Backup must be possible while system is in operation.
- _____ 1.37 Ability to automatically import and extract batches of tenprint records which have been created in any of the common Windows graphic formats (jpeg, tiff, bmp, pcx, png, jp2k etc.)
- _____ 1.38 Ability to fully interface with remote workstations which provide the ability to enter known inked fingerprints, known inked palm prints and latent prints into the primary system database, to include biographical data input, classification, minutiae extraction and minutiae editing capability identical to that in the main system.

YES/NO

**HARDWARE AND SOFTWARE SPECIFICATIONS FOR
DESKTOP CLIENTS AND SERVERS**

- | | | |
|-------|------|--|
| _____ | 1.39 | All client software compatible and designed for use with Windows 7 operating systems |
| _____ | 1.40 | All PC peripheral hardware compatible for use with Windows 7 operating systems Douglas County Commission Request for Proposal |
| _____ | 1.41 | All server software compatible and designed for use with Windows 2008 R2 (or greater) operating systems |
| _____ | 1.42 | All server software supported for use with virtualization VMWare vSphere 4.x (or greater) technologies |
| _____ | 1.43 | All server software supported for use with Microsoft Hypervisor-based server virtualization on Windows Server 2008 R2 (or greater) |

YES/NO

DATABASE SOFTWARE AND SERVER SPECIFICATIONS

- | | | |
|-------|------|---|
| _____ | 1.44 | All AFIS/APIS software utilizes Microsoft SQL Server 2008 R2 Enterprise Edition(or greater) database technologies |
| _____ | 1.45 | Support AFIS/APIS software using Microsoft SQL Server 2008 R2 Enterprise Edition (or greater) in virtualized environments in VMWare vSphere 4.x (or greater) and Microsoft hypervisor-based server virtualization technology on Windows Server 2008 R2 (or greater) |

YES/NO

SYSTEM CAPACITY CONFIGURATION:

- | | | |
|-------|------|--|
| _____ | 1.46 | Initial system capacity for unlimited records. |
| _____ | 1.47 | System capacity must be upgradeable. |

YES/NO

CUSTOMER SUPPORT:

- | | | |
|-------|------|---|
| _____ | 1.48 | Built in "Help" files with video demonstrations of system features. Revised Help files provided with each new upgrade version released. |
| _____ | 1.49 | One year of technical and software update support (renewable) including the following: |
| _____ | 1.50 | A. Unlimited toll-free technical support calls from within the continental U.S. |

- | | | |
|-------|------|---|
| _____ | 1.51 | B. Unlimited technical support via direct log-in when system is connected to a broadband internet connection. |
| _____ | 1.52 | C. Provision of all software maintenance updates. |
| _____ | 1.53 | D. Provision of all new versions of the software. |

YES/NO

INSTALLATION AND TRAINING:

- | | | |
|-------|------|---|
| _____ | 1.54 | Minimum of two days training at, or near, the time of installation. |
| _____ | 1.55 | Training includes specific instructions on how to properly orient partial latent palm prints in order to minimize the area searched and maximize the search efficiency of the system. |

YES/NO

INITIAL DATABASE CONSTRUCTION:

- | | | |
|-------|------|---|
| _____ | 1.56 | Input and extract ten print cards or individual inked palm prints. Extraction and review supervised by I.A.I. Certified Latent Print Examiners. |
| _____ | 1.57 | Conversion of cards must include data entry of biographical information incorporating a minimum of first and last name and two additional descriptor fields chosen by the purchasing agency. |
| _____ | 1.58 | Conversion and extraction of additional ten print record cards and sets of known inked palm prints. This conversion and extraction to be supervised by I.A.I. Certified Latent Print Examiners. |

REMOTE SEARCH

What is the total number of US-based law enforcement agency AFIS/APIS databases to which your company is currently providing remote search access as described in the accompanying requirements? _____

Can you provide a complete list of these agencies, including contact information upon request?

(YES or NO) _____

ALL EXCEPTIONS TO THE AFIS/APIS SOFTWARE SPECIFICATIONS AND CORRESPONDING NUMBER MUST BE NOTED BELOW (ATTACH ADDITIONAL PAGES AS NECESSARY):

2.0 AUTOMATED LIVE-CAPTURE FINGERPRINT (2-FINGER) ID SYSTEM

YES/NO

LIVE-CAPTURE FINGERPRINT

(2-FINGER) IDENTIFICATION SYSTEM SOFTWARE SPECIFICATIONS:

- | | | |
|-------|------|---|
| _____ | 2.1 | Software employs a Windows based operating system that is compatible with Windows 7 (or greater). |
| _____ | 2.2 | Software provides automatic extraction of minutiae. Automatic extraction is defined as the selection and plotting of individual ridge details and their relationships to other minutiae within the print, without user interaction. |
| _____ | 2.3 | Captures fingerprints with a flatbed scanner, digital single-finger capture device and/or live scan device (rolled impression tenprints) from multiple manufacturers. All peripherals are compatible with Windows 7 operating system (or greater) |
| _____ | 2.4 | Compares live-capture fingerprints to known record fingerprints. (Compares extracted minutiae patterns from fingerprint images captured from live subject to minutiae pattern from fingerprint image selected from database.) |
| _____ | 2.5 | Ability to distribute the processing workload of a single search or multiple searches across a master search engine and multiple client search engines running on multiple processors, either on a single motherboard or on multiple networked computers. |
| _____ | 2.6 | Ability to conduct remote "lights-out" searches of compatible systems via an internet-based transaction server or direct network connection. |
| _____ | 2.7 | Ability to interface with mobile ID systems for "lights-out" mobile fingerprint search and identification. |
| _____ | 2.8 | Ability to scan or import fingerprint images at resolutions from 500 ppi to 9,600 ppi. System must be capable of utilizing images at any resolution within this range for all search and match functions within the same database. |
| _____ | 2.9 | Ability to conduct 2-finger searches of live-capture fingerprints against known record fingerprints. (Searches and matches extracted minutiae patterns from 2 or more fingerprint images captured from live subject against minutiae patterns in fingerprint images contained in database.) |
| _____ | 2.10 | Displays user-defined biographical data corresponding to matching candidate record in stereo comparison screen. |
| _____ | 2.11 | Stereo comparison of candidates with lines connecting matching minutiae points. (Either one at a time or all together.) |
| _____ | 2.12 | Ability to set user-definable match/no-match thresholds. |
| _____ | 2.13 | Displays mug shot corresponding to matching records in stereo comparison screen when match threshold is achieved. |
| _____ | 2.14 | Ability to capture and match fingerprint images with rotation of up to + or - 90 degrees from correct orientation. |

_____	2.15	Ability to import and export single fingerprint images or complete tenprint records to other systems via network or internet using EFTS/NIST file transmission standards.
_____	2.16	Scanning template for tenprint cards allows for substitution of any rolled impression with the corresponding plain impression during the initial scanning process.
_____	2.17	Ability to store a minimum of three (3) sets of tenprint records for each individual in the database.
_____	2.18	Customizable biographical records grid with pull-down menus for quick entry of standard physical attribute descriptors.
_____	2.19	Provision of a minimum of ten (10) user-definable columns for entry of any alpha-numeric biographical data desired.
_____	2.20	Provide option to use either WSQ or JPEG 2000 compression algorithms.
_____	2.21	Ability to automatically rotate live-capture print to orientation corresponding to matching record print.
_____	2.22	Ability to interface with multiple image enhancement software programs. (Adobe PhotoShop, More Hits, etc.)
_____	2.23	Ability to interface with multiple live scan devices and automatically import and extract records from connected live scan devices without user intervention.
_____	2.24	Ability to capture or import multiple photos into each record from a TWAIN compliant camera or scanner, or import digital photo files. Must be able to designate photos as mug shots, scars, marks or tattoos.
_____	2.25	Ability to automatically import and extract batches of tenprint records which have been created in any of the common Windows graphic formats (jpeg, tiff, bmp, pcx, png, jp2k etc.)
_____	2.26	Ability to create and save tenprint records in FBI standard ANSI-NIST EFTS format.
_____	2.27	Ability to print a copy of any photo which is a part of a database record.
_____	2.28	Provide an integrated automatic backup utility to allow unattended scheduled backups or on-demand backups of all records. Backup must be possible while system is in operation.
YES/NO		SYSTEM CAPACITY CONFIGURATION:
_____	2.29	Initial system hardware designed with the capacity to store a minimum of 300,000 tenprint records.
_____	2.30	System capacity is upgradeable.
YES/NO		CUSTOMER SUPPORT:
_____	2.31	Built in "Help" files with video demonstrations of system features. Revised Help files to be provided with each new upgrade version released.
_____	2.32	One year of technical and software update support (renewable) including the following:

- | | | |
|-------|------|---|
| _____ | 2.33 | A. Unlimited toll-free technical support calls from within the continental U.S. |
| _____ | 2.34 | B. Unlimited technical support via direct log-in when system is connected to a broadband internet connection. |
| _____ | 2.35 | C. Provision of all software maintenance updates. |
| _____ | 2.36 | D. Provision of all new versions of the software. |

YES/NO

- | | | |
|-------|------|--|
| _____ | 2.37 | INSTALLATION AND TRAINING:
Minimum of one full day training at installation. |
|-------|------|--|

ALL EXCEPTIONS TO THE AUTOMATED LIVE-CAPTURE FINGERPRINT (2-FINGER) IDENTIFICATION SYSTEM AND CORRESPONDING NUMBER MUST BE NOTED BELOW (ATTACH ADDITIONAL PAGES AS NECESSARY):

III. VENDOR PROPOSAL RESPONSE

RESPONSE FORM

Company Submitting Proposal: _____

Address: _____

Contact Person: _____

Office Telephone: _____ Fax: _____

Email: _____

AFIS/APIS System

Manufacturer & Model: _____

Annual Support Renewal Cost: _____

Automated Live-Capture Fingerprint ID System

Manufacturer & Model: _____

Annual Support Renewal Cost: _____

Total Price: _____

Printed name & title of person submitting proposal:

Signature of person submitting proposal:

Date:
