FLORIDA DEPARTMENT LAW ENFORCEMENT

INVITATION TO NEGOTIATE

Acknowledgement Form

Page 1 of 54 pages

Agency Release Date: **June 19, 2015**

SUBMIT REPLY TO: Department of Law Enforcement
Office of General Services
2331 Phillips Road
Tallahassee, Florida 32308
Telephone Number: 850-410-7300
Fax: 850-410-7333

Solicitation Title: Live Scan Equipment and Software

Solicitation Number: FDLE ITN 1531

Replies are Due: July 31, 2015 @ 3:00 p.m. EST

Replies shall be binding until execution of a Contract with the successful Respondent.

Respondent Name: Biometrics4ALL, Inc.

If a Fictitious Name is used include registered name (i.e. XYZ, Inc. D/B/A ABC)

*Authorized Signature (Manual)

Respondent Mailing Address: 220 Commerce, Ste. 150

EDWARD CHEN, PRESIDENT /CEO

*Authorized Signature (Typed), Title

City, State, Zip: Irvine, CA 92602

Phone Number: (714) 568-9888

Toll Free Number:

Fax Number: (866) 888-8768

Email Address: Management@biometrics4all.com

FEID Number: 20-2609462

***This individual must have the authority to bind the Respondent.**

By signature on the Reply, Respondent certifies that it complies with all terms and conditions of the ITN

Type of Business Entity (Corporation, LLC, partnership, etc.): Corporation

RESPONDENT CONTACTS: Provide the name, title, address, telephone number, and email address of the official contact and an alternate, if available. These individuals shall be available to be contacted by telephone or attend meetings as may be appropriate regarding the solicitation schedule.

PRIMARY CONTACT:	**SECONDARY CONTACT:**
Contact Name, Title: Edward Chen, President and CEO	Contact Name, Title: Frank Lin, Director of Support
Address: 220 Commerce, Ste. 150, Irvine, CA 92602	Address: 220 Commerce, Ste. 150, Irvine, CA 92602
Phone Number: (714) 568-9888 ext. 168	Phone Number: (714) 568-9888 ext. 160
Fax Number: (866) 888-8768	Fax Number: (866) 888-8768
Email Address: echen@biometrics4all.com	Email Address: flin@biometrics4all.com

	demographic information on the magstripe or the 2D barcode from the back of the Driver's license? 2. Do the Livescans need to support the DLs from only Florida or all US States? (Pg. 41, Technical Specifications)
Answer #34	**Both. All US States.**
Question #35	At this time, there are only three vendors currently certified to submit both civil applicant and criminal records to FDLE. There are additional vendors who are only certified to submit civil applicant records to FDLE, and some of those are also able to submit Mobile Rapid ID transactions. With that in mind, are all ITN respondents required to have certification for all three types of transactions (Civil Applicant, Criminal, and Mobile ID)?
Answer #35	**FDLE doesn't provide certification for criminal submissions at this time. Certifications for Rapid ID and civil submissions are still required.**
Question #36	If all three certifications are required, is it acceptable for potential respondents to obtain certification after the bid submission deadline?
Answer #36	**Yes – for the Rapid ID and civil submissions.**
Question #37	Specifically, after examining the technical specifications for solicitation #FDLE ITN 1531, we have discovered some ambiguity as to whether or not the live scan equipment should utilize 500ppi or 1000ppi quality prints. Would you be able to clarify what is meant on *pg. 39; Section 8; Sub-reference 1A* by compliance at 500ppi vs. the later criteria that prints are able to be downsampled from 1000ppi to 500ppi.
Answer #37	**The allowable minimum for prints is 500 ppi.**

THIS ADDENDUM NOW BECOMES PART OF YOUR REPLY.

THE ADDENDA ACKNOWLEDGEMENT FORM SHALL BE SIGNED BY AN AUTHORIZED COMPANY REPRESENTATIVE, DATED AND RETURNED WITH THE REPLY AS INSTRUCTED IN SECTION THREE.

ADDENDA ACKNOWLEDGEMENT

COMPANY NAME: Biometrics4ALL, Inc.

FEDERAL TAX IDENTIFICATION NUMBER: 20-2609462

ADDRESS: 220 Commerce, Ste. 150

CITY: Irvine **STATE:** CA **ZIP:** 92602

RESPONDENT: Edward Chen **TITLE:** President and CEO

AUTHORIZED SIGNATURE:  **DATE:** 7/24/2015

PHONE: (714) 568-9888 ext. 168 **EMAIL:** echen@biometrics4all.com

FAILURE TO FILE A PROTEST WITHIN THE TIME PRESCRIBED IN FLORIDA STATUTE 120.57(3) OR FAILURE TO FILE A BOND OR OTHER SECURITY WITHIN THE TIME ALLOWED FOR FILING A BOND SHALL CONSTITUTE A WAIVER OF PROCEEDINGS UNDER CHAPTER 120 FLORIDA STATUTES.

Cover Letter

Biometrics4ALL is honored to submit a proposal for innovative systems that will improve the criminal booking process, and benefit the many law enforcement agencies that submit to the Florida Department of Law Enforcement. We are committed to provide the Equipment and Software as described in ITN 1543.

Our proposed systems seamlessly and securely integrate our cutting edge LiveScans to transmit and interface with all of FDLE's agencies and affiliates. Our security infrastructure is second to none and exceeds the requirement of CJIS Security Policy version 5.3. Biometrics4ALL is a hardware agnostic company--we propose hardware based on best value and/or best quality. We draw upon our decades of experience to provide customers with honest and independent evaluations (not just based on FBI certifications) of hardware, so Florida law enforcement agencies can have the best hardware options based on budget and requirements.

Biometrics4ALL is excited to extend our working relationship with FDLE and other Florida law enforcement agencies to implement our modern, secure, and user-friendly LiveScans systems. State of Florida is among the very important customer base for us; we will ensure continuously successful deployments for years to come.

As the President/CEO of Biometrics4ALL, I can assure FDLE that Biometrics4ALL is committed to provide the best LiveScan solutions in the industry and that I have the authority to obligate the Company to all legal requirements of this contract. I will be the primary contact for this solicitation process, and my contact information can be found below.

Sincerely,

Edward W Chen,
President/CEO
Biometrics4ALL, Inc.
220 Commerce, Suite 150
Irvine, CA 92602

Phone: (714) 568-9888 Ext. 168
Cell: (714) 801-2009
Fax: (866) 888-8768
Email: echen@biometrics4all.com

Executive Summary

Biometrics4ALL's proposed solution leverages the latest hardware and software technology and architecture, designed to provide agencies the maximum configurability to accommodate their specific operation, without incurring expensive change orders. Our goal is also to ensure our customers are never exposed to unencrypted data loss; with this goal in mind, our solution encrypts all PII and CHRI data with 256bit AES encryption level (highest level available) so that the OPM data breach affecting 20+ million individuals' PII will never happen to our customers. Additionally, our software application and hardware selection is specifically proposed to offer the State of Florida the easiest, fastest, most reliable, and most flexible LiveScan processing.

Our software is designed to enable agencies to become self-reliant and avoid expensive training or retraining, descriptor field customization, and print form/card modifications. Biometrics4ALL has built the industry's only context sensitive help videos for new user training or remedial training. These videos can teach topics such as operation procedures, fingerprinting techniques, best practices, and business rules. Our Descriptor Profile feature enables operators to populate/default multiple field values with a single click or a quick selection. These are typically treated as change orders by most vendors, but it is a standard feature in our software. Our Custom View feature allows operators to create unique views that hide unnecessary fields to suit the specific booking process. These are also typically treated as change orders by most vendors, but it is a standard feature in our software. Adjustments to print form/card layouts are also costly, time consuming, and often delayed as other vendors struggle to make the adjustment due to lack of easy tools. They often have to fiddle around with XML settings, and then run the application just to find out further changes are necessary; then they repeat this process over and over until it's acceptable. Biometrics4ALL has developed the industry's only WYSIWYG print form/card layout adjustment user interface/tool. This allows even the Administrator to open a print card in "Design Mode" and make the necessary tweaks or even a complete redesign in a matter of minutes.

Our philosophy is that because technology and software capability evolve rapidly, keeping our customer's software up to date is an essential part of product longevity. Therefore, our solutions are designed to be upgraded over time in the same fashion as your cellular phones. New features, workflow/business rule changes, and bug fixes are pushed down over the network to the LiveScan devices. Biometrics4ALL has performed such upgrade tens of thousands of times to thousands of LiveScans. To further enhance our offering, these upgrades, enhancements, and bug fixes are offered to customers free of charge as a part of their annual maintenance program.

Biometrics4ALL believes that using our own technology everyday helps us to learn about our products strengths and shortcomings, as well as their flexibility and scalability. Consistent with this belief, we use our own Central Management Server (CMS) product to manage over 1,400 LiveScans on a single network processing over 800,000 LiveScan transactions per year. We have made numerous features to help our staff to manage this massive network, while utilizing only two full time equivalent support staff. This is only made possible by the extensive automation and Cloud technology we have developed over the years—similar size LiveScan networks would have required far more support staff without these

useful tools and features. These innovations towards product supportability will surely help the Florida agencies minimize their workloads.

Biometrics4ALL's software architecture is also more advanced than that of our competitors. We are the only software solution truly designed with Service Oriented Architecture (SOA) into its core where the application is broken out into many services. This design approach is far more costly to develop, but provides superior upgradability and flexibility. This design has helped us to re-develop sub components to keep pace with new features and technology advancements without waiting for a complete rewrite.

Biometrics4ALL is confident that our technical methodology is far superior to that of our competitors, as we have taken an out-of-box thought process and approach to everything we do in order to achieve maximum results for our customers as well as our company. We believe that creating a win-win situation with our customers is the only way to grow a business. We look forward to providing our unique LiveScan solution to the State of Florida.

Sincerely,

Edward W Chen,
President/CEO
Biometrics4ALL, Inc.
220 Commerce, Suite 150
Irvine, CA 92602

Company Profile Summary

Biometrics4ALL is the best partner for the State of Florida because we are a focused, innovative, and a proven LiveScan technology company that can provide the most secured and accommodating LiveScan solution to Florida law enforcement agencies. Our industry-leading LiveScan solution offers:

- The most intuitive user interface preferred 2 to 1 by law enforcement officer in a face-off evaluation conducted by a customer without vendor involvement.
- The industry's only context sensitive video training to minimize operator questions regarding procedures or the application, as well as convenient reminders for those officers who rarely use the LiveScan.
- The industry's only encrypted data storage to prevent data compromise and costly resolution such as OPM is now facing, paying for over 20 million people as result of a data breach, even though their system is already CJIS Security Compliant.
- The industry's only dynamic print-form layout engine with a WYSIWYG setup interface to accommodate card form irregularities or changes from operation requirements.
- The industry's most flexible business rule and workflow engine to accommodate all of the FDLE process for each Template Configuration, as well as any local operation needs.
- One of the most flexible and scalable Central Management Server in the industry; for example, Biometrics4ALL uses our own CMS to manage over 1,400 LiveScans and transmitting approximately 800,000 LiveScan transactions annually submitting to multiple agencies.

Biometrics4ALL was founded by Edward Chen over a decade ago with the goal of providing agencies around the world with the best LiveScan products and services by leveraging the latest technology. Prior to Biometrics4ALL, Mr. Chen managed the LiveScan and AFIS product lines for Printrak (now MorphoTrak) for several years where he gained a unique insight into customer's needs and the biometrics industry. Our company has different operating principles than other vendors in the industry, these principles further separates us from the rest of the vendors.

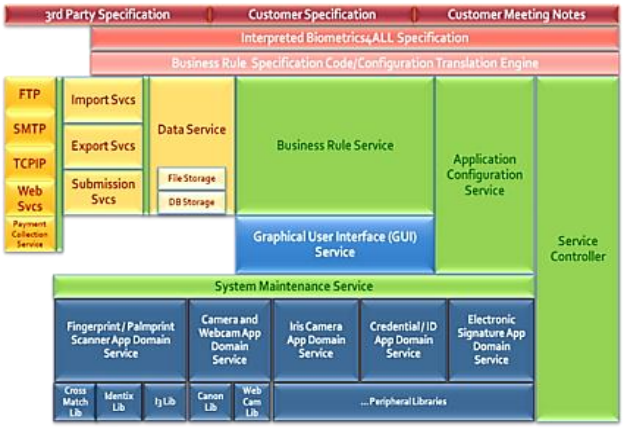
- Customers are our partners and a part of our "community". We foster a community where ideas, features, and innovations are shared. This principle guides us to push the limits of technology, share innovations with our supported customers, and turn ideas into new features. We view customer requests as opportunities to advance our offerings. We turn requests into product features and ensure upgradability to all of our supported customers.
- Technology is our friend. We leverage the latest technology to improve productivity for our customers, as well as our internal operations. We develop technologies that help all of us automate manual processes, reduce steps and errors, identify issues, and share knowledge. We strive to always be on the forefront of innovation and embrace outside-of-the-box-approaches. We let our imagination be our only boundary, and we never limit ourselves by past events or competitors' methods.
- Be financially responsible. We offer fair prices and high value to our customers. We always maintain profitability so that we can be there and continue to innovate for our customers in the years to come. We maximize production out of the available resources. We spend our resources on activities where customer benefits are clear and realizable. We plan for a sustainable future, not just the current quarter.

- Stay Focused. We do not try to be all things to all people! We stay focused on our key products and core competency. We strive to be the best at certain products and services to some customers, rather than offering mediocre products and services to all.

The abovementioned differentiations have produced excellent results for us. Biometrics4ALL has had 10 consecutive profitable years (very rare in the industry), with greater than 20% year-over-year growth while maintaining a solid net profit each year. We reinvest our net profits to R&D and to fund cash flow. Biometrics4ALL management is proud to maintain 100% equity of our company and we have never borrowed money over our 10 years of operation. Biometrics4ALL is a privately held company; therefore, we do not disclose our financial results to the public. However, we would be happy to supply our financial results to the State of Florida on a confidential basis. In recent years, approximately 5-10% of our business is with entities in the state of Florida.

Our products and services are now used in 4 continents and 20 countries. These customers include but are not limited to: Law enforcement agencies in half of Australia (3 states and 1 territory), country of New Zealand, 13 Countries in the Caribbean, Country of Saudi Arabia, New York State Police, Las Vegas Metro PD, LA County Sheriff, and over 1,400 other agencies around the country.

We have developed four generations of our LiveScan solution. The latest was designed in 2009 and rolled out in 2010 leveraging a full Service Oriented Architecture (SOA). Our LiveScan products are built around a highly flexible and scalable Services Oriented Architecture (SOA) and use the latest technologies. Not only does our software's Graphical User Interface (GUI) feel more modern to the operator and more intuitive to use, our software's highly flexible and scalable platform further separates us from our competitors. Biometrics4ALL's software is the only product that can use the same application binary (programing code) to support every customer with their vastly different business rules, workflows, and interface requirements. Our exceptionally advanced software design allows us to continually improve our products, add new features, and upgrade our technology, while enabling all supported customers to take advantage of these advancements.



Our Central Management Server (CMS) is built around the same SOA platform and shares most of the same services and components as our client LiveScan software. The server has an even greater level configurability to accommodate our customers' more advanced requirements. Our CMS is a tried-and-true scalable server product, as we use the CMS product internally to manage over 1,400 LiveScans on a single network, transmitting approximately 800,000 LiveScan transactions annually. This network has processed over 4.5 million LiveScan transactions over the years.

Biometrics4ALL is actively using our Cloud Technology infrastructure to support our LiveScan client-server network. We are in the process of developing additional Cloud Technology features to further

improve our central management capabilities, in order to increase the overall LiveScan performance and the quality of the biometrics data captured.

Our product is the only one in the industry that exceeds the FBI CJIS v5.3 Security Policy requirements by protecting Personally Identifiable Information (PII) data at the same level as required of the Criminal History Records Information (CHRI) data. Our security is exceptional because we are the only vendor in the industry that encrypts all of the transaction data using a FIPS 140-2 certified algorithm.

In contrast, our competitors store all of the transaction data in plain text, or in a basic database, which can easily be compromised with configuration settings and virus/malware. In fact, in virtually all of the competitor's LiveScan systems, you will be able to find fully unprotected NIST files containing subject's PII and CHRI data. CJIS v5.3 requirement has less stringent requirements for PII than it does for CHRI. However, we believe that PII data is equally as important (if not more so) as CHRI, and we believe that in the future, CJIS will require that PII is protected at the same level as CHRI data. At such time, our products will already be compliant. With the recent OPM breach where over 20 million individuals' private information was lost, Biometrics4ALL products are uniquely qualified to prevent such breach and protect the State of Florida and its agencies.

Unlike purchasing a LiveScan from a hardware manufacturer who can only offer their own scanner technology, our software is compatible with 95+% of all scanners in use today. Biometrics4ALL is committed to continue our hardware agnostic approach in order to present our customers with as many hardware options as possible.

We know that staff turnover is a normal part of business operations; therefore, to provide operators with immediate, consistent, and comprehensive training/assistance, we implemented the industry's first and only context-sensitive help videos. These videos are better than any instructor as they never leave out topics and provide the most complete and consistent information. Additionally, these videos can be improved over time and released to LiveScans using our CMS Cloud Technology.

Biometrics4ALL's product is one of the only LiveScan software that is designed for multi-threaded technology. Because most of our competitor's software was designed in the 1990s when only single core (thread) CPUs were available, their applications cannot take advantage of the multi-threaded processing capabilities of modern CPUs (multi-core) to perform advanced features such as parallel background image processing, advanced printing processing, and more.

Biometrics4ALL is excited to extend our working relationship with FDLE and other Florida law enforcement agencies to implement our modern, secure, and user-friendly LiveScans systems. State of Florida is among the very important customer base for us; we will ensure continuously successful deployments for years to come.

Sincerely,

Edward W Chen,
President/CEO
Biometrics4ALL, Inc.
220 Commerce, Suite 150
Irvine, CA 92602

Submit by Email | Print Form

ATTACHMENT H
VENDOR REFERENCES

Vendor Name: Biometrics4ALL, Inc.

Vendors are required to submit with their Reply response, three (3) references that have been provided services of a similar size and parameters of those requested in this solicitation. Vendors shall use Attachment I Business/Corporate Reference Form of this ITN to provide the required reference information. The department reserves the right to contact any and all references in the course of this solicitation evaluation and make a fitness determination, not subject to review or challenge.

1.) Name of Organization: New York State Police (NYSP)
Contact Person: Lt. Bob Fernandez
Phone Number: Tel: (518) 485-8763 / Cell: (607) 643-3973
Address: Bldg. 22, State Campus, 1220 Washington Ave, Albany, NY 12226
Email Address: robert.fernandez@troopers.ny.gov

2.) Name of Organization: Coral Gables Police Department
Contact Person: Jessica Wortherspoon
Phone Number: (305) 476-7893
Address: 2801 Salzedo Street, Coral Gables, FL 33134
Email Address: jwotherspoon@coralgables.com

3.) Name of Organization: Sarasota Police
Contact Person: Valerie Churchill
Phone Number: Tel: (941) 954-7036 / Cell: (941) 650-0235
Address: 2099 Adams Lane, Sarasota, FL 34237
Email Address: valerie.churchill@sarasotagov.com

III. Similar Contracts and Services.

a. State the number of years your company has provided the equipment, software, services and warranties specified in Section Eight, to other federal, state, county and city municipalities?

Biometrics4ALL has been providing the proposed equipment, software, services and warranty for over 10 years.

b. Identify names and qualifications of key individuals, including identifying who will be Contract Manager, who will be assigned to the Contract and services each individual will provide, if this Contract is awarded to your company.

Biometrics4ALL product implementation and customer service is led by Frank Lin with a team of Support Engineers.

Software Configuration and Customization is led by Joseph Kimura with a team of Business Analysts, Quality Control Engineers and Software Engineers.

Contract Manager will be Edward Chen who is financially and operationally responsible for Biometrics4ALL.

IV. Disputes.

a. List any past and/or pending litigation or disputes relating to the services described herein, that your firm has been involved in within the last five (5) years. List shall include company name, project name, and nature of litigation and current status of dispute.

Biometrics4ALL has not been involved with any litigation or disputes to the services described herein since the company inception.

b. List any past disputes where your company has been terminated from an awarded contract. List company/agency name, term of contract and an explanation as to why you were terminated.

Biometrics4ALL has never been terminated from any awarded contracts.

SECTION EIGHT – TECHNICAL SPECIFICATIONS

1. TENPRINT CAPTURE DEVICES

The Equipment / Software offered by the Contractor must meet all the requirements listed below.

A. Compliance

i. Equipment / Software must be compliant with Wavelet Scalar Quantization (WSQ) Grayscale Fingerprint Image Compression Specifications (IAFIS-IC-0110 v3.1 October 1, 2010) for 500ppi images.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software use our own FBI certified and compliant WSQ algorithm to compress 500ppi images.*

ii. Equipment / Software must be compliant with Joint Photographic Experts Group (JPEG) JPEG-2000 10:1 lossy compression in accordance with the National Institute of Standards and Technology (NIST) Interagency Report "Effects of JPEG 2000 Lossy Image Compression on 1000ppi Fingerprint Imagery" (NISTIR 7780, July 2013) for 1000ppi images.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software use compliant JPEG 2000 lossless or lossy compression for 1000ppi images. JPEG 2000 can achieve 10:1 compression ratio in both lossless and lossy compression methods. Per FBI EBTS 10.0 specification "The FBI/CJIS expects 1000 ppi scanned Type-14 and Type-15 images to be compressed with the JP2L (lossless) algorithm"; therefore, Biometrics4ALL generally recommends lossless compression rather than lossy in all of our 1000ppi implementations.*

iii. Equipment / Software Equipment must be compliant with the Gaussian filter strategy for downsampling of 1000ppi to 500ppi for legacy pathway processing in accordance with National Institute of Standards and Technology Interagency Report "Examination of Downsampling Strategies for Converting 1000ppi Fingerprint Imagery to 500ppi" (NISTIR 7839, January 2013) for 1000ppi images that are stored or transmitted at 500ppi.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software 1000ppi to 500ppi downsampling algorithm incorporates Gaussian filter in accordance with NIST specification. Our downsampling algorithm is in productive use at multiple agencies in various states and counties such as California.*

iv. Equipment / Software must be compliant with American National Standard for Information Systems (ANSI) Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information (ANSI/NIST-ITL l-2011). Additionally, considerations for bandaged, amputated, and/or deformed digits must be in compliance with the ANSI/NIST standard.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software are in full compliance with ANSI NIST ITL I-2011 for all biometrics and descriptor data. Should ANSI/NIST enhances the specification, Biometrics4ALL has the ability to quickly modify our software to conform to the revisions and push the updates to our LiveScan Software.*

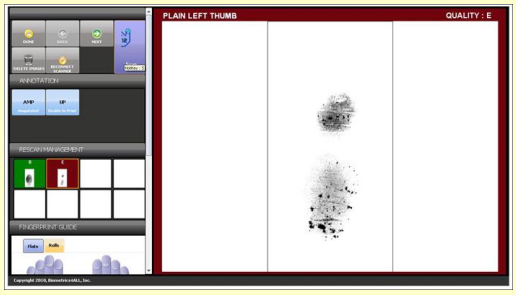
v. System must conform to the NIST Fingerprint Image Quality (NFIQ) 2.0 standard

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's fingerprint quality assessment algorithm conforms to the NFIQ 2.0 standard. Our software presents the NFIQ quality ratings using clear letter (A,B,C,D,E) and simple "traffic*

light color" (Green, Yellow, Red) representations. Where "green" represents good image quality, "yellow" represents borderline image quality, and "red" represents poor image quality.

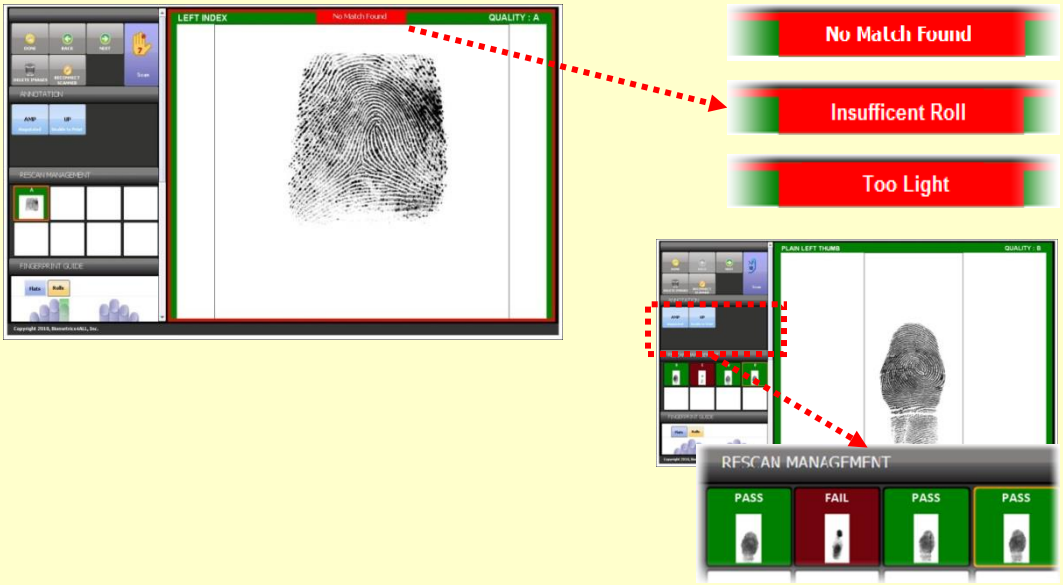
Good Quality Image Capture Feedback With GREEN BORDER



Poor Quality Image Capture Feedback RED BORDER

In addition to the NFIQ quality ratings, there are several other quality assessments that will help the operator improve the quality of the images:

- ***Check Hand:** This ensures the operator captured the correct hand (left vs. right)*
- ***Insufficient Roll:** This one of the most common rejections by the FBI and state agencies. Our software automatically detects if the operator performed a proper roll.*
- ***Image Too Light or Too Dark:** This tells the operator to improve the subject's hand preparation.*
- ***No Match Found:** This informs the operator in case a match between rolls and slaps cannot be confirmed because of the poor quality of either*



vi. Equipment / Software must meet the Federal Bureau of Investigation's (FBI) Electronic Biometric Transmission Specification (EBTS) (NGI-DOC-01078-10.0 July 2, 2013) including Appendix F image quality specifications.

***Response:** Biometrics4ALL has read, understands and complies.*

***Explanation:** Biometrics4ALL's Equipment / Software are fully compliant with all EBTS versions including 10.0.*

vii. Equipment / Software must meet the FBI CJIS Security Policy (CJISD-ITS-DOC- 08140-5.3 August 4, 2014)

Equipment / Software must communicate via TCP/IP. The FDLE's preference is for common services to communicate on their commonly accepted ports. For applications to

communicate to a remote vehicle (e.g., a patrol car), the application must have the ability to transmit its packets through a proxy. This proxy capability must be native to the application. All transmissions must comply with a fully qualified ANSI/NIST data formatted packet.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software are fully compliant with CJIS Security Policy v 5.3. Our software incorporates complex and expiring password enforcement, as well as multi-factored user authentication using fingerprint or one-time use text message, depending on the application. Additionally, Biometrics4ALL offers the Industry's only fully encrypted biometrics data storage that exceeds the requirements of CJIS Security Policy v5.3. Furthermore, our product protects Personally Identifiable Information (PII) data with the same stringency as the Criminal History Records Information (CHRI) data. The CJIS v5.3 Security Policy has far less requirements for PII as it does for CHRI. In light of recent Office of Personnel Management (OPM) data breach incident where 20+ million PII and CHRI information was stolen, there is an increasing emphasis on encrypting data at storage. Biometrics4ALL is the only company with software products that can help FDLE and FL Law Enforcement Agencies to achieve such level of data protection.*

Our Equipment / Software communicate via TCP/IP. We allow common services to communicate on their commonly accepted ports. All applications have the ability to transmit its packages through a proxy native to its application. Those transmissions comply with a fully qualified ANSI/NIST data formatted packet.

Additionally, our software can communicate with FDLE using any secured communication protocols as specified.

ix. Equipment / Software must be compliant with FALCON Interface Control Document (ICD) specifications for all civil applicant transactions.
http://www.fdle.state.fl.us/Content/getdoc/1f90e886-26ae-496f-9583-3e4b181680f6/FALCON_ICD_v2-43-revised-Sept-23-2011.aspx

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software are fully compliant and certified by FDLE for compliance the FALCON ICD.*

x. Equipment / Software must be compliant with Biometric Identification System (BIS) ICD specifications for all criminal transactions. Visit website
http://www.fdle.state.fl.us/Content/Documents/BIS-ICD.aspx

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software are fully compliant with the BIS ICD.*

B. Standards

System equipment, software, services and warranties must be integrated into a single unit and include the following:

i. Must have a 17" or larger flat panel LCD for PC based implementations; laptop and mobile implementations can have smaller displays.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *All stationary LiveScan systems include a 20" or larger display with optional touchscreen feature. All laptop based LiveScan systems are equipped with 15.6" screen with optional touchscreen feature.*

ii. Must provide on-screen prompts that indicate direction of finger roll and correct finger selection.

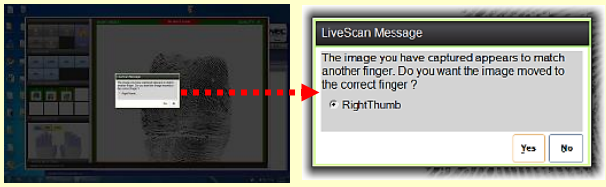
Response: *Biometrics4ALL has read, understands and complies.*

- ***Explanation:*** *Our proposed solution allows the fingers to be rolled in either direction. Additionally,*

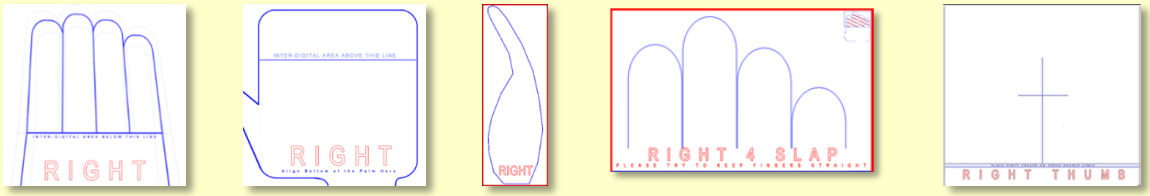
Biometrics4ALL uses several methods to ensure rolls, flats, and palms are from the same hand and individual.

- *First, our capture sequence can be configured to capture rolls, flats, and palms in any order. Our recommendation is to always capture rolls, flats, and palms from one hand first, and then switch to the other hand rather than swapping hands back and forth. This eliminates the opportunity for the operator to become confused. Icons at the top also clearly reflect the hand and position to further reduce confusion.*

- *Second, we also recommend that the operator capture the subject's upper palm first, allowing us to crop out the 4 finger flats from the upper palm and use it for roll prints sequence comparison. Additionally, our unique hand checking algorithm warns the operator of incorrect hand is captured if left or right hand is in the wrong place.*
- *Third, we compare the interdigital area of the upper palm with the interdigital area of the lower palm to ensure that the palms are from the same hand.*
- *Fourth, we compare each roll print to its corresponding segmented flat prints to ensure proper sequence. If the roll print does not match, we then further compare the roll prints against all other segmented flat prints to find a corresponding print. If a match is found, we then confirm with the operator before moving the wrong roll print to its correct position.*



- *Fifth, the operator is shown a clear on-screen hand positioning guide that clearly requests the right vs. left hand in multiple ways, including: an outline that clearly reflect right vs. left; the word left vs. right; and highlighting of the left vs. right. All of which are designed to draw the attention of the operator.*



- *Sixth, our context sensitive help video also clearly instructs the operator to capture the right or the left hand first.*
- *Seventh, when prints are taken out of sequence, the system provides the operator a clear and relevant message and allows the operator to make immediate correction.*

iii. Must have an integrated mug shot capture capabilities.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our photo capture software has many built-in features to achieve the NIST best practice and standards Recommendations for Capture of Mugshots, Version 2.0. Our LiveScan software has the ability to capture mug shots as well as Scars, Marks and Tattoos (SMTs) images. The operator will be presented with a live video preview of the subject before capturing the image. Below are some feature highlights:*

Face-Centering and NIST best practices

Our photo capture solution meets NIST Best Practice Recommendations. Biometrics4ALL has been certified by ISP to meet IL photo and SMT submissions. The NIST-defined minimum resolution for photos

is 600H X 480W (SAP 30); Biometrics4ALL recommends 1024H X 768W resolution (SAP 40) for broader use later. For optimal facial and/or object recognition, photos should be captured and stored with consistent resolutions. Therefore, all photo images will be cropped and resampled to the same size. Our software does not permit up-sampling, as it would be a violation of NIST specifications.

Our solution uses a high quality 18 Mpx DSLR camera allowing capturing of 95+% of all individuals without changing camera position or tilting. Leveraging our built-in face find software, the subject's face will be automatically cropped to the correct aspect ratio without moving the camera or performing any pan-tilt-zoom action. Our software will also ensure that the required minimum numbers of pixels between the eyes are present before accepting the cropped image.

Color Space

NIST specifications do not permit the artificial modification of photo color. The optimum color space must be achieved via proper lighting condition, camera quality, and camera positioning. While NIST best practice 3-point lighting is still the gold standard, we have found that many booking environments cannot properly achieve this with consistent results. Because of these conditions, we offer the use of ring light as a solid alternative. The goal of 3 point lighting is to achieve minimum shadowing on all areas of the face and in the background. Similar results can be fulfilled with the subject 6-10ft away from the camera, standing 2-3ft away from the backdrop/wall, with the Ring-light/camera slightly above the head.

Our unique Rapid Cataloging of SMTs feature allows the operator to easily crop multiple SMTs from the same photo and tag them with NCIC SMT descriptions. It is the fastest way to capture SMT photos.

The LiveScan is typically configured to capture the photos first, thereby showing the frontal photo as a thumbnail throughout the remaining transaction screens.

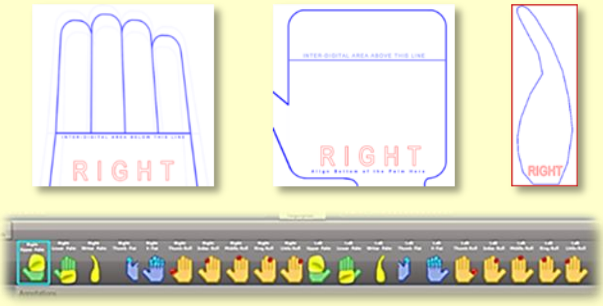
In the Header throughout all the pages

On the Fingerprint/Palmprint Capture Page

iv. Must have integrated palm print capture capabilities.

Response: *Biometrics4ALL has read, understands and complies.*

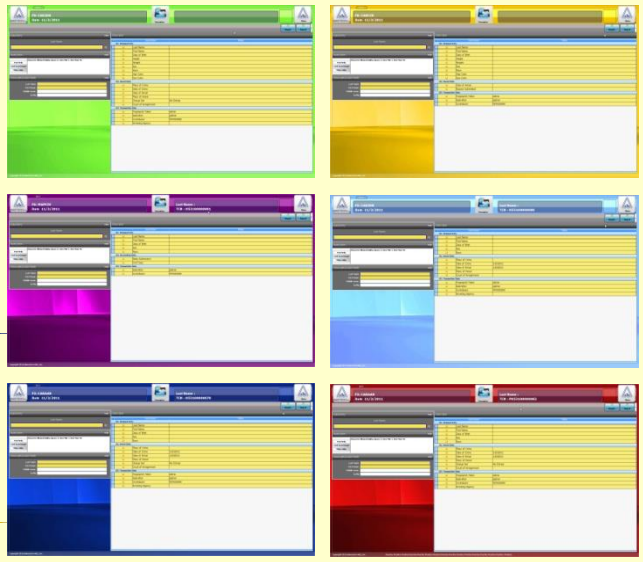
Explanation: *Our proposed solution includes palm print capture integration within the software. Our capture sequence can be configured to capture rolls, flats, and palms in any order. Our recommendation is to always capture rolls, flats, and palms from one hand first, and then switch to the other hand rather than swapping hands back and forth. This eliminates the opportunity for operator confusion. Icons at the top also clearly reflect the hand and position to further reduce confusion.*



v. Software functionality must be driven by the type of transaction and reason for submission as described in section eight - template configurations.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's LiveScan software has powerful business rule and workflow engines that can control the exact behavior of the transaction. Therefore, we will be able to configure each template configuration with its specific workflow, fields, defaults, business rules, etc. Additionally, each template configuration will be represented by an icon, a label, and has a keyboard shortcut for quick access. An icon can be any color, shape, or design (our most common icons are circles with various colors). When the template is launched, the transaction background color will match the icon color, allowing operators to easily verify that they are processing the correct TOT.*



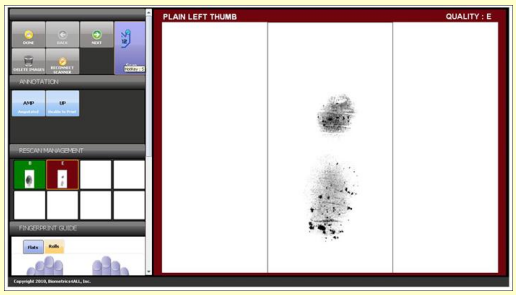
vi. The system will have the ability to determine the NFIQ score for each fingerprint collected.

Response: *Biometrics4ALL, has read, understands and complies.*

Explanation: *Our system provides immediate quality control feedback to the operator, this includes:*

- *Fingerprint and Palmprint Quality Assessment using NIST Fingerprint Image Quality (NFIQ) ratings in conjunction with our proprietary palm quality assessment algorithm.*
- *Quality results are shown in 5 levels (A, B, C, D, and E) and displayed using standard traffic light colors (green, yellow, and red)*

Good Quality Image Capture Feedback With GREEN BORDER



Poor Quality Image Capture Feedback RED BORDER

- *A, B, and C are considered as good prints (per NIST specification) and are displayed using the green color.*
- *D is considered as fair quality and should consider recapture. It is displayed using the yellow color*
- *E is considered as poor quality and should be retaken. It is displayed using the red color*

vii. The minimum NFIQ score for an acceptable transmission will be user configurable.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Minimum NFIQ score and number of retry attempts for an acceptable transmission is configurable and can be configured differently for each fingerprint or palmprint positions to achieve an optimal balance between acquiring the best possible images vs. operator workload.*

viii. Must provide immediate quality control feedback to the operator. An indicator must appear on-screen to classify the image as acceptable or unacceptable, prior to the capture of the next finger.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software provides immediate on-screen and audible quality control feedback to the operator. These quality feedback include but not limited to:*

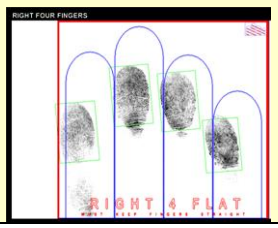
- *NFIQ Quality Rating in letter grading as well as traffic color representation*
- *Audible feedback to indicate passing quality vs. failing quality. Audible can range from a simple chime sound to a full speech feedback such as "insufficient image quality, please rescan".*
- *Supplemental quality assessments such as:*
  - ***Check Hand*** *– Detects if the wrong hand is used for flat 4 fingers or upper palm images.*
  - ***Insufficient Roll*** *- Detects if the operator performed a proper roll.*
  - ***Image Too Light or Too Dark*** *– Indicates if the operator did not perform adequate hand preparation.*
  - ***No Match Found*** *– Indicates that a rolled print cannot be verified against the flat impression due to poor image quality or unidentifiable fingerprint is captured.*

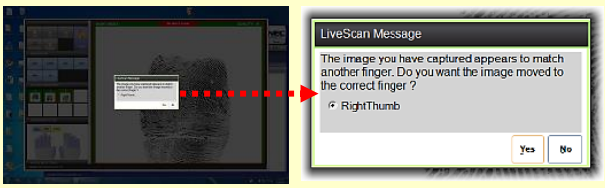
Additionally, if minimum quality threshold is not met and the number of retry attempts is not satisfied, the operator will not be allowed to proceed to the next finger.

ix. Must automatically compare each rolled image against the corresponding "plain" impression to ensure proper finger placement and to prevent sequence errors before data is forwarded to the State Identification system or transferred to a printed fingerprint card.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software automatically performs roll to flats comparison immediately after each capture. It compares each roll print to its corresponding segmented flat prints to ensure proper sequence. If the roll print does not match, it then further compares the roll prints against all other segmented flat prints to find a corresponding print. If a match is found, it then confirms with the operator before moving the wrong roll print to its correct position. This prevents sequence errors before data is forwarded to the State Identification system or printed.*





x. Must automatically compare the distal images from the upper palm print to the corresponding rolled or plain impression distal images to ensure the palm print is captured from the same hand as the tenprint.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software performs several automatic comparisons and analysis of the upper palm to ensure the palmprint is captured from the same hand and for the correct position (left vs. right).*

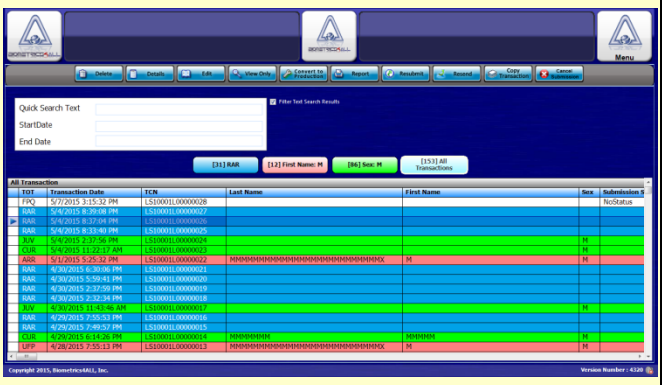
- *Interdigital comparison between upper palm and lower palm*
- *Hand checking algorithm warns the operator if the incorrect hand is captured (if left hand is placed in place of right hand).*
- *Rolled prints comparison to the segmented flat impression from the upper palm and flat impressions.*
- *Right to left comparison to ensure non-duplicated impressions are captured.*

xi.The system must display the transmission status of completed captures. Internal storage must be incorporated to store captured images and data if transmission is delayed.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Transactions and statuses are displayed under our Manage Transaction page, which has the industry's most flexible display. Here are a few configurations our customers have commonly taken advantage of:*

- *User role based follow-up actions such as resubmission is available to users, while delete is limited to supervisors.*
- *Filter buttons/groupings with unique color representations. For example, Hit responses are displayed with red row color to draw attention and can be filtered by a red button.*
- *Custom column selection, column header label, column width, and column order.*



xii. The system must have the ability to store a minimum of 500 completed tenprint transactions.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan Systems will be delivered with computers that can store at least 500 transactions. Our LiveScan background Data Maintenance has the following features:*

- *Configurable purge length*
- *Configurable data to purge (all, biometrics data only, certain fields, or combination thereof)*
- *Configurable purging rule for each Type of Transaction (TOT)*

We will work with FDLE and the agency to determine the optimum Data Maintenance Plan.

xiii. The system must provide a mechanism that enables an administrator to periodically delete stored records.

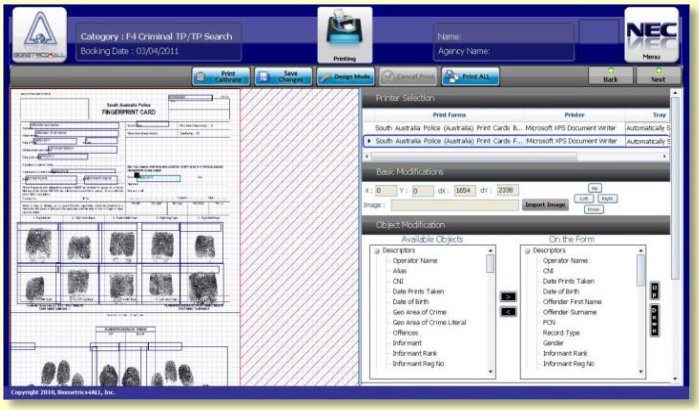
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Administrators typically do not have to perform the delete function since our system is equipped with automatic data retention cleanup feature running as a background service. However, "Delete" transaction button can be configured to enable Administrators to periodically delete stored records if additional manual delete activity is desired.*

xiv. The system must provide a preview of the fingerprint image and data as it will be printed on a fingerprint card, and allow the operator to view a zoomed image.

Response: *Biometrics4ALL has read, understands and complies.*

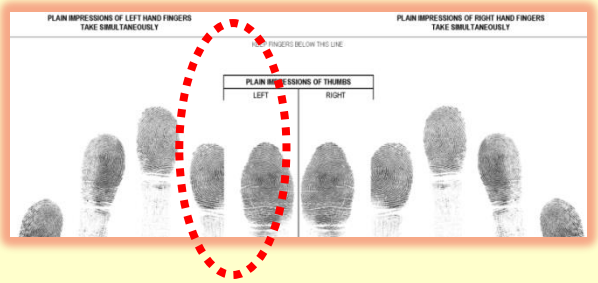
Explanation: *Biometrics4ALL's LiveScan software has the industry's only WYSIWYG (What You See Is What You Get) card design user interface. Previews in design mode and printout views can be zoomed in for detailed review and precise layout alignment. We are able to configure the layout of a new card or form in minutes, and make modifications in seconds. Administrators can easily make modifications or consult Biometrics4ALL for assistance.*



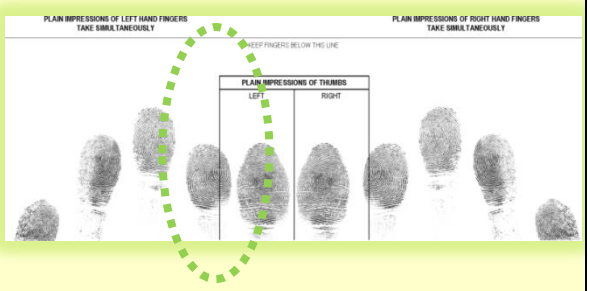
Our competitor's print card/form configurations are done through a complicated XML file that requires a vendor engineer to perform such task, and takes an extensive amount of time. When the agency requires a change, extra costs are often incurred.

Additionally, as FDLE may be aware, the standard card does not properly fit today's LiveScan image sizes. For instance, it is virtually impossible to print two 4 finger slap impressions and 2 flat thumb impressions on a single row without overlapping by 3/4 inch. This is because these 4 images have total widths of 8.4 inches (3.2" + 1" + 1" + 3.2"), and there is still 3/8" (3/16" on each side) of typical printer margins to content with.

All other printing solutions in the industry, loose at least 3/8" to 3/4" of the images. To allow printing of all the captured data, our LiveScan printing solution is able to print the image in an overlapping method (similar to that of ink prints), thus preventing loss of critical fingerprint information. Below are illustrations of our print card layout compare to that of others in the industry:



COMPETITOR PRINTOUT



OUR PRINTOUT

xv. The system must be capable of producing a tenprint transaction that is compatible with the State Identification Bureau (SIB) ICD.

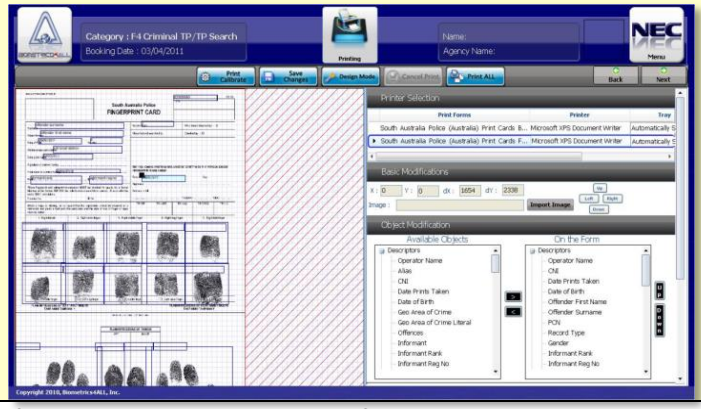
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL has our own NIST packaging programing code and can conform to any specification. We have already produced tenprint and palmprint transactions that are compatible with SIB ICD.*

xvi. The system must be able to print fingerprint images, including palm prints on fingerprint cards based on the appropriate template. The fingerprint images and demographic data must be printed in appropriate areas of the currently used fingerprint cards.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's LiveScan software has the industry's only WYSIWYG (What You See Is What You Get) card design user interface. We can easily and quickly configure and layout a print card to include fingerprints, palmprints, and demographic data. Administrators can easily make modifications or consult Biometrics4ALL for assistance.*



xvii. The system must be capable of producing multiple copies of the tenprint card without operator intervention.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our system can easily configure and default each print card to print on a specific printer, a specific tray of the printer, as well as the number of copies to print. System will print the default settings without Operator intervention, but the Operator can be allowed to change the number of copies to print if desired.*

xviii. The system must meet the FBI CJIS Security Policy regulating Access Control, Identification and Authentication.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL offers the Industry's only fully encrypted LiveScan system, providing a world class security infrastructure that exceeds the FBI CJIS Security Policy v5.3.*

As a certified FBI Channeler, our LiveScans and CMS have been approved by the FBI to comply with the latest CJIS v5.3 Security Policy.

Our product protects Personally Identifiable Information (PII) data with the same stringency as the Criminal History Records Information (CHRI) data. The CJIS v5.3 Security Policy has far less requirements for PII as it does for CHRI. However, we believe that protecting PII data is equally as important (if not more so) than CHRI data. We believe that CJIS will eventually demand that PII data is protected in the same way as CHRI data. At such time, our products will already be fully compliant.

Because our entire solution is protected by 256bit AES encryption, Biometrics4ALL solution does not require special network configurations to achieve a level of security that exceeds the CJIS Security Policy. However, we would be happy to assist in case FDLE is looking for recommendations to achieve the CJIS network requirements (e.g., Intrusion detection appliance, etc.) as we have already been certified by the FBI with our own infrastructure for the FBI Channeling practice.

xix. The system must have a security system to prevent unauthorized operator access.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL views security with the utmost importance with respect to design priority. This is why security is at the core of our solutions architecture, starting with encrypted data storage and communication. Our operator is protected by FBI CJIS Security Policy compliant passwords, which includes the following:*

- *Minimum of 8 characters.*
- *Not to be a dictionary word or proper name.*
- *Must contain at least three (3) of the following four (4) elements:*
- *English upper case letters*
- *English lower case letters*

- *Westernized Arabic numbers*
- *Special characters.*
- *Not to be the same as the user name*
- *Expires every 90 days, at a minimum*
- *Not identical to the previous ten (10) passwords*
- *Not transmitted unencrypted outside the secure location*

Additionally, secondary authentication using fingerprints is also available for further LiveScan access protection and single use mobile text code is available for our web portal protection.

xx. The system must provide an interface to a directory service for user access. i.e. Microsoft Active Directory or Lightweight Directory Access Protocol (LDAP).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's LiveScan and CMS support Microsoft AD or LDAP. Additionally, Our AD integration has a built in logic for time restricted offline booking (in the event the network is temporarily unavailable).*

xxi. The system must incorporate role based access with privileges assigned based on a configurable user profile.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solutions support three standard user groups; additional levels may be created if desired. Each user group can be associated with a specific set of abilities and viewing privileges and can be mapped to Active Directory Groups. We will work with FDLE and the agency to establish the best integration.*

xxii. The system must have a timeout feature that will not leave the system in a "logged on" state for more than thirty minutes if the operator leaves the area.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solutions have a built-in auto logout function that can be configured. We will configure our deployment in FL to have a 30 minute auto logout.*

xxiii. The system must have an operator "panic button" which will lock the system and hold the information captured on a booking-in-progress until the operator unlocks the system using his/her password.

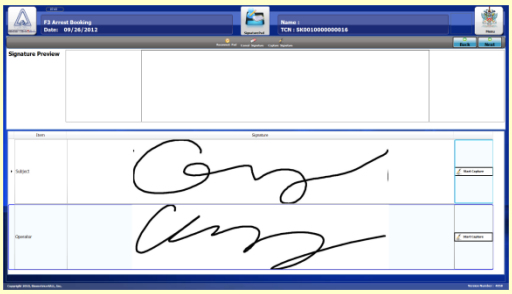
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can have a panic button that locks the system down. Our solution automatically saves data at all times; therefore, whether the panic button is activated, or the system shuts down due to power failure, data will not be lost in the process.*

xxiv. The system must incorporate a signature pad for the capture of the subject's signature as well as the operator's signature.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our proposed signature pad has a LCD backlight that will display the actual signature to attain a more realistic signature. This backlit function is a more expensive device, but we feel it is essential for signature accuracy.*



xxv. The system must incorporate a driver license card swipe capture capability to prepopulate demographic information on the criminal justice applicant template.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our system has the ability to read from the magstripe of a Driver License or State ID Card to pre-populate some of the demographic fields for this transaction. From a single swipe, within a second, fields are automatically populated. The data can also be entered manually in case the magstripe is defective.*

xxvi. The system must be capable of performing automatic calibrations at programmed intervals and then logging the results of those calibrations. Contractor must list calibration elements.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan solution automatically performs calibration upon each user login. Additionally, a calibration button is also available on the scanning page, so the operator can perform calibration at any time. Calibration results are recorded in a log and are available for review at any time. Calibration elements include:*

- *Tenprint or Palmprint preview frame*
- *Finger Roll preview frame*
- *Tenprint or Palmprint platen area for 500ppi and 1000ppi*
- *Finger Roll calibration for 500ppi and 1000ppi*
- *Finger Flat calibration for 500ppi and 1000ppi*
- *Raw Calibration of entire platen area*
- *Optical Adjustment*
- *Background Correction*

xxvii. The system must have remote diagnostic capability.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's LiveScan infrastructure has the industry's most advanced remote diagnostic and management capabilities. When used in conjunction with our Central Management Server (CMS) the following remote diagnostic and management features are a few examples of what can be performed:*

- *LiveScans automatically report system environment conditions and information periodically to CMS.*
- *LiveScans can push screenshots to the CMS for Administrators to review at a later time.*

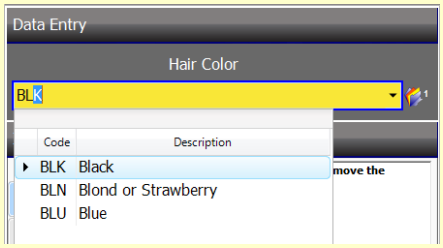
- *Administrators can pull screenshots from a LiveScan at any time.*
- *LiveScans can be remotely upgraded with new software or configurations.*
- *CMS can display online status of all LiveScans it manages.*
- *CMS can push broadcast messages to the LiveScan to inform or instruct operators.*
- *CMS can schedule calendar events to any LiveScans.*

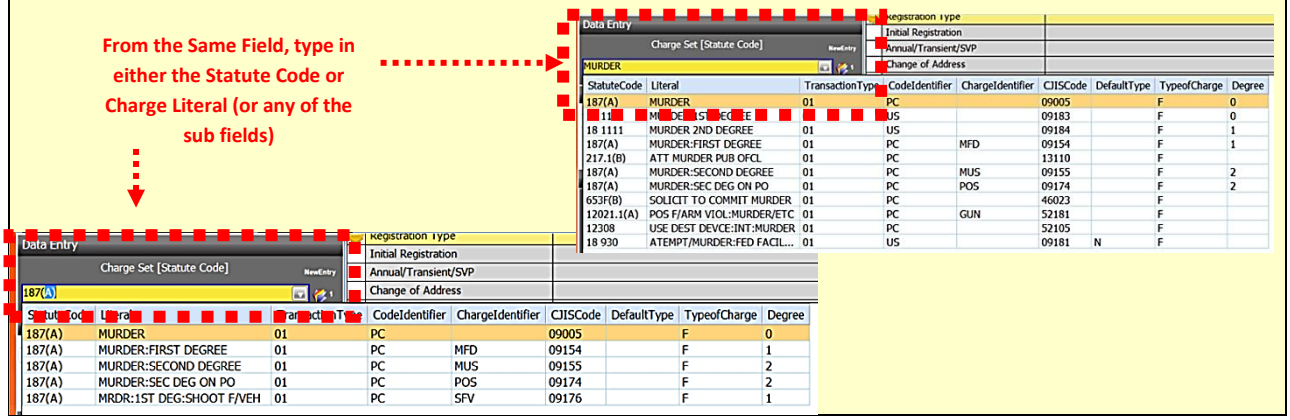
Additionally, remote access protocols such as RDP or VNC can be configured for remote access for additional remote diagnostic purposes.

xxviii. The system must offer drop-down menus to provide help to the operator for data fields where specific entries are required.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software allows each drop-down field to be configured with single or multiple sub fields such as code and literal. In a more complex drop-down field such as the Charge field there are usually multiple sub fields (such as Statute Code, Statute Literal, Degree, CJIS Code, etc.). Our software allows the operator to enter the full or partial value of any of the sub fields in the drop-down and the list will filter to display only those values that match the partial value entered. This method is often referred to as "Type Ahead" or "Google like search".*





xxix. The system must perform pre-validation edit checks on data elements to ensure conformance to the State Identification Bureau Interface Control Document. (e.g., an invalid length for a name field or invalid characters in a name field) .

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our system will perform pre-validation edit checks ensure conformance to the FDLE ICDs.*

All data business rules are checked in real-time (immediate) while the operator enters the data, by the Business Rule Engine, therefore the operator does not have to wait even a second to know that something is wrong. Enforcements and notifications can take effect in the following ways:

<u>While Typing</u>

- *Prevent the operator from entering any invalid characters. For example, not allowing two spaces to be entered in a row, not allowing any special characters other than hyphen and comma, or not allowing a hyphen after a space.*
- *Limiting the entry to the maximum allowable character count, or in other words, preventing any characters from being entered once maximum character count is reached.*

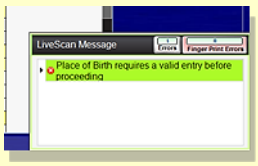
<u>Immediately After Exiting the Field</u>

(e.g. pressing enter)

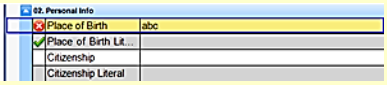
- *Verify minimum character count is met.*
- *Validate relationship between fields (e.g. Arrest Date must be on or after Crime Date).*
- *Ensuring a valid drop-down value is selected.*
- *Validate against complex rules such as Logarithmic 10 checksum.*

Violations can be notified in three methods:

- ***High priority messages:*** *Disrupts the operator with a popup message in the middle of the page. This message requires acknowledgement from the operator and is used for severe violations.*



- ***Low priority message:*** *Does not disrupt the operator by placing a popup message in the bottom of the page. This message will automatically fade away after a few seconds.*
- *The application conveys pre-validation edit checks through the use of icons and field colors. For example, Mandatory fields are displayed in yellow, disabled fields are displayed in gray, fields containing edit-check errors are displayed with a red "X" icon, and fields with no edit check errors are displayed with a green check.*



xxx. The system must have a table-driven administrative interface that allows users to change field validations, e.g., a table of valid country codes.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan solution utilizes tables extensively and whenever useful. Tables can be updated via automatic download/synchronization (if made available) or manual edits.*

- ***Automatic Table Adoption by the LiveScan***
  - *CMS will communicate with the LiveScans immediately to instruct the LiveScans to download the new table.*
  - *The LiveScan background service will download the drop-down table that requires an update in the background.*
  - *Upon completing the download, the table will be loaded into the LiveScan memory for immediate use. Biometrics4ALL recommends automatic updates by leveraging the "sunset" drop-down table design.*
  - *"Sunset" table versioning design allows an "active date" and an "expiration date" (sunset) which ensures the new values take effect on the correct day. This eliminates the need to time the updates perfectly.*
  - *LiveScans will assess the drop-down table at the start of each transaction to determine which values are "active".*
- ***Manual Table Update Administration***
  - *The Administrator or our Support Staff can modify any of the drop-down tables (in plain text) at any time on the designated table folder.*

Biometrics4ALL has used this protocol to perform hundreds of thousands of remote drop-down table updates over the past decade.

xxxi. Contractor must provide documentation on the system's capability to produce data for management reports showing system usage, operators using the system, calibration, and other functionality.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *LiveScans can produce output data in csv file format for system usage, operator*

performance, and scanner calibration data for management reports. Biometrics4ALL can also work with FDLE and FL agencies to establish additional data output if desired.

Our Central Management Server (CMS) has a lot more management reporting features than the LiveScan. Using our CMS web portal, administrators can mine data in the system and create specific reports. Standard performance and transaction detail reports can be automatically emailed to the Reports Contact (established for each LiveScan and each agency) on a set frequency such as daily, weekly, and/or monthly. All these reports are exportable to MS Excel and most reports are available in Excel, CSV, and PDF versions.

The existing reports include:

- *Performance Reports*
  - *Bookings/templates by LiveScan*
  - *Bookings/templates by Operator*
  - *Percentage of Rejections/Resubmissions by LiveScan*
  - *Percentage of Rejections/Resubmissions by Operator*
  - *Average Fingerprint Quality by LiveScan*
  - *Average Fingerprint Quality by Operator*
  - *Percent of sequence or quality criteria overrides by LiveScan*
  - *Percent of sequence or quality criteria overrides by Operator*
  - *Average processing time by LiveScan*
  - *Average processing time by Operator*
- *Status Reports*
  - *Status report by LiveScan (online status and last activity date/time)*
  - *LiveScan environment report (Software version, OS version, LOV version, etc.)*
  - *LiveScan "cached" users and/or local users.*
- *Internal billing report (if charge back is desired)*

Standard data mining filters:

- *Date range*
- *Agency or list of Agencies (multi-select)*
- *LiveScan or list of LiveScans (multi-select)*
- *By Templates (multi-select).*
- *When applicable, by Operator or list of Operators (multi-select).*

C. Usability

i. Must have a user interface designed for ease of use with minimal need for mouse or keyboard, e.g., an integrated foot pedal and touch screen features.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software is designed for intuitive use by leveraging the Windows GUI standards, among many other factors. Thousands of users around the world have found our application to be extremely intuitive and easy to use. In fact, our application has gone head-to-head with our closest competitor, and easily won the ease-of-use contest conducted by the customer without the vendor's involvement. Biometrics4ALL received a large contract as result of this contest evaluated by actual law enforcement operators. We believe that FDLE will find that our application is very easy to learn and can be quickly deployed. For each function/purpose, our design team based our GUI style selection on Windows standards, common use, ease-of-use for touchscreens, relevance, visual effect, consistency, configurability, scalability, supportability, trainability, and more.*

Additionally, Biometrics4ALL understands that each operator has his/her own preference for interacting with the scanning process. We allow any and all of the following methods:

- ***Screen Buttons:*** *Our Screen Buttons are larger than the typical application to facilitate the use of touchscreens. The operator may click or press the button on the screen to activate the desired function. These buttons include, but are not limited to: start capture, cancel capture, move to next, snap the photo, etc.*
- ***Keyboard Hotkeys:*** *Our application is designed to operate all major functions only using the keyboard. Many hotkeys have been built for operators with keyboard preference. The application also re-uses hotkeys to perform the same series of functions to reduce operator confusion. For instance, the "S" key is used to initiate the scan sequence, capture the fingerprint image, or snap a photo; the "ESC" key cancels capture, cancel the transaction, and exits most situations; the page down key is used to proceed to the next position, move to the next page, etc.*
- ***Foot Pedal:*** *Our application utilizes the foot pedal for many functions. Our intention is to free the officer's hands for other needs. The foot pedals can initiate the scan process for un-captured finger or palm images, trigger the scan, move to the next position, proceed to the next screen, snap a photo, etc.*
- ***Automatic features:*** *Our application has several automatic modes for fingerprint/palmprint capture. Operators can set the LiveScan to automatically capture the image when the software detects the presence of the finger/palm. The operator can further define the speed (in tenth of a second) by which the capture should be triggered. These settings are specific to the operator and are typically based on experience and their personal preference. Settings are stored specific to their login (even with the integration of Active Directory User Management). Additionally, the operator can set the LiveScan to automatically advance to the next finger/palm position upon a successful image capture. Similarly, the operator can set the speed (in tenth of a second) by which to move on after a successful capture.*

ii. Ruggedized systems for jail implementations must be designed appropriate for field environments: waterproof, dust-resistant and shock-resistant.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our ruggedized cabinet is specifically designed for the demanding booking environment. Unlike other vendors who use plastic and wood parts, our cabinet is made of all steel components to ensure longevity and ruggedness. The cabinet has rounded edges for optimal safety and can be seismically secured to the floor. The cabinet sits on 4 lockable rubber wheels to accommodate repositioning or relocation of the LiveScan. Proposed scanners surface are watertight sealed which provides waterproof and dust-proof features. Palmprint scanners are to some degree shock-resistant and there has never been a report of shock damage of a booking system.*

While the system must be ruggedized, we believe that they must also be ergonomically designed. Therefore, we have incorporated some key features to ensure optimal usability and OSHA compliance:

- *Full motion monitor brace to accommodate the operator's ideal monitor positioning and for OSHA compliance. Adjustments featuring:*
  - *30 degree viewing angle*
  - *15 degree tilt-angle*
  - *2.5" of depth*
- *Slide out keyboard and mouse tray that accommodates a full size keyboard and mouse.*
- *Dual foot pedal to assist operator in scanning and software navigation for left or right hand capture.*

Slide-out Keyboard and Mouse Tray

Dual Foot Pedal

- *Optional electronic powered height adjustment with the industry's most adjustable operating height range for OSHA compliance and proper mug shot capture (camera at face level).*

iii. Desktop configurations must be of compact design to permit countertop-placement in a booking area, or be portable.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Desktop configurations are equipped with a desktop computer or laptop, monitor, scanner, and peripherals. They are compact in size and can easily be placed on a countertop and require approximately 3' X 3' of work space to perform booking. Biometrics4ALL also offer several configurations of portable systems:*

- ***Portable Carrying Case:*** *For transporting the laptop based system.*
- ***Operating Case with External Power:*** *For operating the booking system inside a carrying case without removing the system from the case. This configuration is powered by external power source via a single power cable.*
- ***Operating Case with Internal Batteries:*** *For operating the booking system inside a carrying case without removing the system from the case. This configuration is powered by lithium ion batteries for 6 to 8 hours of operation without external power source.*

iv. Fingerprint capture plate must be easily cleaned and disinfected between print capture sessions. Both the capture plate life with regular disinfecting and the procedure for replacing coated prisms, if applicable, must be stated by Contractor.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Proposed fingerprint and palmprint scanners are all equipped with sealed surface with no coating or consumables for easy cleaning and disinfecting between print capture sessions. To clean the scanner, simply use a glass cleaner and wipe down with microfiber cloth, soft tissues or cloth. Do not use paper towel materials that contain wood particles as it may scratch the platen glass over time.*

Additionally, our on-demand help-videos also provide guidance on how to properly clean the scanner and platen.

2. Template Configurations

Vendors are to include complete Template Options for each unit. Each option must be available for selection by FDLE as needed.

List of Templates:

- Criminal Arrest with Notice to Appear
- Criminal Arrest with Booking (in the Jail)
- Criminal Registrant
- Federal Hold (search w/o add – no FL charges)
- Remand/Hold
- Department of Corrections Incarceration
- Identification Only via Rapid ID
- Applicant (Criminal and Non-Criminal)
- Non-Criminal Justice Applicant

A. Criminal Arrest with Notice to Appear - Desktop configuration

Criminal Arrest with Notice to Appear workflow must:

i. Assign Transaction Control Number (TCN) & Offender Based Tracking System (OBTS) number.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software will automatically assign a TCN and OBTS numbers at the start of a transaction.*

ii. Collect plain impressions – slaps and thumbs.

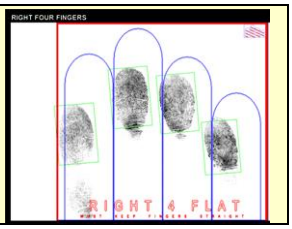
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow will require the operator to capture plain impressions first before allowed to proceed to subsequent step.*

iii. Segment fingers 2,3,7,8 and submit to Rapid ID.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan performs real-time fingerprint segmentation from flats; therefore, our software can extract segmented fingers 2,3,7,8 and submit a "pass 1" submission as a Rapid ID TOT.*



iv. Capture a mugshot via digital camera or configurable folder via standalone mugshot system.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our photo capture module is compatible with Canon EOS DSLR cameras and has a photo import function for attaining photos from standalone mugshot system. Our software has many built-in features to achieve the NIST best practice and standards Recommendations for Capture of Mugshots, Version 2.0. Our LiveScan software has the ability to capture mug shots as well as Scars, Marks and Tattoos (SMTs) images. The operator will be presented with a live video preview of the subject before capturing the image.*

v. Parse Rapid ID response to display demographics and configurable trigger events from Florida Crime Information Center (FCIC)/National Crime Information Center (NCIC), Computerized Criminal History (CCH) response such as Warrants, Sex Offender, Probation, Gang, Known or Suspected Terrorist (KST), and Violent Felony Offender Statuses.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software can control the workflow to retrieve and parse Rapid ID response and display demographics and the abovementioned information. Parsed response can be shown via our messaging feature and/or the Response page of the transaction.*

vi. Display mugshot with available demographics and significant indicators (Warrants, Sex Offender, Probation, Gang, KST, and Violent Felony Offender Statuses).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software workflow can display Results Mugshot via our messaging feature and/or the Response page of the transaction. Significant Indicators can also be displayed via our messaging feature and/or the Response page of the transaction.*

vii. Indicators must represent via colors action required versus warning (e.g. Violent Felony Offender = Red, Wants/Warrants = Yellow).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Indicators can be accompanied by icon with specific colors as stated above.*

If the subject is identified by Rapid ID and the offense is a misdemeanor or ordinance violation the system must:

i. Provide an entry screen for updating demographics, entering of charge information and additional required data elements for a Notice to Appear.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can display the descriptor entry screen after successful Rapid ID submission response processing. Based on the Rapid ID identification, our workflow engine can set the "Notice to Appear" field as mandatory along with other mandatory fields.*

ii. Provide an Application Programming Interface (API) for exchanging demographic and charge information via the Records Management System and/or Jail Management System.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan solution has several standard data exchange protocols which third party systems can use. Additionally, we have published a standard 3rd Party Interoperability document that provides an interface with our LiveScan solution using secured web service calls, FTP and email protocols.*

iii. The API for exchanging information with a Records Management System and/or Jail Management System must conform to the National Information Exchange Model (NIEM) version of the Electronic Biometric Transmission Specification (EBTS).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our 3rd Party Interoperability can be configured to conform to the NIEM specification.*

iv. Transmit the plain impressions, mugshot, updated demographics and charge information to the Florida Department of Law Enforcement (FDLE) BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit plain impressions, mugshot, updated demographics and charge information to FDLE.*

v. Print a Notice to Appear that conforms to the Florida Rules of CriminalProcedure (Rule 3.125. Notice To Appear), July 10, 2013 in quadruplicate.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan workflow can control the transaction to print 4 copies of the Notice to Appear form.*

If the subject is <u>not</u> identified by the Rapid ID search and the officer will enter the statute number/offense then if the offense is a misdemeanor or ordinance violation the system must:

i. Prompt the officer to collect a full Tenprint and Palm prints before proceeding to enter required data elements.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan workflow engine can control the transaction page flow to take the operator to the tenprint and palmprint capture page based on Rapid ID response.*

ii. Provide an entry screen for entering full demographics, charge information and additional required data elements for a Notice to Appear.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can display the descriptor entry screen after successful Rapid ID submission response processing. Based on the Rapid ID identification, our workflow engine can set the "Notice to Appear" field as mandatory along with other mandatory fields.*

iii. Transmit the tenprints, palm prints, mugshot, demographics and charge information to the FDLE BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit tenprints, palm prints, mugshot, demographics and charge information to FDLE.*

iv. Print a Notice to Appear that conforms to the Florida Rules of Criminal Procedure (Rule 3.125. Notice To Appear), July 10, 2013 in quadruplicate.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan workflow can control the transaction to print 4 copies of the Notice to Appear form.*

If the subject is identified by Rapid ID and upon review of the information the offense is a felony the system must:

i. Prompt the officer to transport the subject to a booking facility.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan workflow engine can popup an intrusive message (high priority message) instructing the officer to transport the subject to a booking facility if Rapid ID returned a felony offense.*

ii. Provide an option to fill out charge information to transmit to the booking facility's fingerprint system for pre-processing prior to arrival.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *After popping up the transporting instruction, our workflow engine can display the descriptor entry screen where the operator can optionally enter charge information for pre-processing.*

B. Criminal Arrest Booking

Criminal Arrest Booking workflow must:

i. Assign TCN & OBTS number.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software will automatically assign a TCN and OBTS numbers at the start of a transaction.*

i. Collect plain impressions – slaps and thumbs.

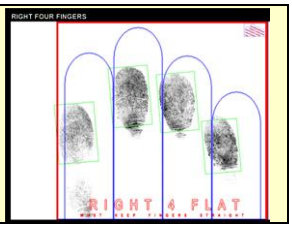
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow will require the operator to capture plain impressions first before allowed to proceed to subsequent step.*

ii. Segment fingers 2,3,7,8 and submit to Rapid ID.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan performs real-time fingerprint segmentation from flats; therefore, our software can extract segmented fingers 2,3,7,8 and submit a "pass 1" submission as a Rapid ID TOT.*



iii. Capture a mugshot via digital camera or configurable folder via standalone mugshot system.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our photo capture module is compatible with Canon EOS DSLR cameras and has a photo import function for attaining photos from standalone mugshot system. Our software has many built-in features to achieve the NIST best practice and standards Recommendations for Capture of Mugshots, Version 2.0. Our LiveScan software has the ability to capture mug shots as well as Scars, Marks and Tattoos (SMTs) images. The operator will be presented with a live video preview of the subject before capturing the image.*

iv. Parse Rapid ID response to display demographics and configurable trigger events from Florida Crime Information Center (FCIC)/National Crime Information Center (NCIC), Computerized Criminal History (CCH) response such as Warrants, Sex Offender, Probation, Gang, Known or Suspected Terrorist (KST), and Violent Felony Offender Statuses.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software can control the workflow to retrieve and parse Rapid ID response and display demographics and the abovementioned information. Parsed response can be shown via our messaging feature and/or the Response page of the transaction.*

v. Display mugshot with available demographics and significant indicators (Warrants, Sex Offender, Probation, Gang, KST, and Violent Felony Offender Statuses).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software workflow can display Results Mugshot via our messaging feature and/or the Response page of the transaction. Significant Indicators can also be displayed via our messaging feature and/or the Response page of the transaction.*

vi. Indications must represent via colors action required versus warning, e.g.Violent Felony Offender = Red, Wants/Warrants = Yellow.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Indicators can be accompanied by icon with specific colors as stated above.*

If the subject is identified by Rapid ID the system must:

i. Provide an entry screen for updating demographics, entering of charge information and additional required data elements for a booking.

Response: *Biometrics4ALL, has read, understands and complies.*

Explanation: *Our solution can display the descriptor entry screen after successful Rapid ID submission response processing. If the Rapid ID returns a positive ID, then our workflow engine can navigate to the descriptor entry page to enable operator to enter charge information and additional required data elements to complete the booking.*

ii. Provide an Application Programming Interface (API) for exchanging demographic and charge information via the Records Management System and/or Jail Management System.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan solution has several standard data exchange protocols which third party systems can use. Additionally, we have published a standard 3rd Party Interoperability document that provides an interface to our LiveScan solution using secured web service calls, FTP and email protocols.*

iii. The API for exchanging information with a Records Management System and/or Jail Management System must conform to the National Information Exchange Model (NIEM) version of the Electronic Biometric Transmission Specification (EBTS).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our 3rd Party Interoperability can be configured to conform to the NIEM specification.*

iv. Transmit the plain impressions, mugshot, updated demographics and charge information to the FDLE BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit plain impressions, mugshot, updated demographics and charge information to FDLE.*

v. The DNA indicator will state if DNA is on file; if the officer determines that the charge requires the collection of a DNA sample the system must have a selection to process a DNA sample and:

1. Prompt the officer to collect a DNA sample.

2. Provide fields for the minimum data elements required to submit a DNA sample to the DNA database.

3. Print a label for affixing to the DNA oral swab kit with the required information and barcode for DNA sample submission.

4. Print the DNA submission form that accompanies the DNA sample.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow engine will prompt the officer to collect DNA if the DNA indicator returns that there is no DNA on file. While our solution can print a barcode label for affixing to the DNA oral swab kit, we highly recommend FDLE to consider the California DNA collection process. The California DNA collection process utilizes a pre-barcoded DNA oral swab, which provides temper proofing and substantially improves the chain of custody of the swab. If the officer determines that DNA collection is required, then simply barcode the swab into a non-editable field on the descriptor screen, then take the sample. The swab is then placed into a sealable envelop and send to the DNA lab for analysis. The DNA barcode is then transmitted with the booking transaction. DNA submission form can be printed as well; however, just like the barcode, we recommend that the data is relayed to the DNA lab electronically.*

If the subject is not identified by the Rapid ID search the system must:

i. Prompt the officer to collect a full tenprint and palm prints before proceeding to enter required data elements.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan workflow engine can control the transaction page flow to take the operator to the tenprint and palmprint capture page based on Rapid ID response.*

ii. Provide an entry screen for entering full demographics, charge information and additional required data elements for a booking.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can display the descriptor entry screen after successful Rapid ID submission response processing. If the Rapid ID returns a no-hit, then our workflow engine will enable the descriptor entry page to allow operator to enter demographics and charge information along with other required data elements to complete the booking.*

iii. Transmit the tenprints, palm prints, mugshot, demographics and charge information to the FDLE BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit tenprints, palm prints, mugshot, demographics and charge information to FDLE.*

iv. The DNA indicator will state if DNA is on file; if the officer determines that the charge requires the collection of a DNA sample the system must have a selection to process a DNA sample and:

1. Prompt the officer to collect a DNA sample.

2. Provide fields for the minimum data elements required to submit a DNA sample to the DNA database.

3. Print a label for affixing to the DNA oral swab kit with the required information and barcode for DNA sample submission.

4. Print the DNA submission form that accompanies the DNA sample.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow engine will prompt the officer to collect DNA if the DNA indicator returns that there is no DNA on file. While our solution can print a barcode label for affixing to the DNA oral swab kit, we highly recommend FDLE to consider the California DNA collection process. The California DNA collection process utilizes a pre-barcoded DNA oral swab, which provides temper proofing and substantially improves the chain of custody of the swab. If the officer determines that DNA collection is required, then simply barcode the swab into a non-editable field on the descriptor screen, then take the sample. The swab is then placed into a sealable envelop and send to the DNA lab for analysis. The DNA barcode is then transmitted with the booking transaction. DNA submission form can be printed as well; however, just like the barcode, we recommend that the data is relayed to the DNA lab electronically.*

C. Criminal Registrant

Criminal Registrant workflow must:

i. Assign TCN & OBTS number.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software will automatically assign a TCN and OBTS numbers at the start of a transaction.*

ii. Collect plain impressions – slaps and thumbs.

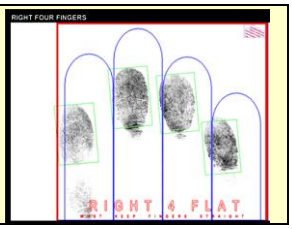
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow will require the operator to capture plain impressions first before allowed to proceed to subsequent step.*

iii. Segment fingers 2,3,7,8 and submit to Rapid ID.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan performs real-time fingerprint segmentation from flats; therefore, our software can extract segmented fingers 2,3,7,8 and submit a "pass 1" submission as a Rapid ID TOT.*



iv. Capture a mugshot via digital camera or configurable folder via standalone mugshot system.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our photo capture module is compatible with Canon EOS DSLR cameras and has a photo import function for attaining photos from standalone mugshot system. Our software has many built-in features to achieve the NIST best practice and standards Recommendations for Capture of Mugshots, Version 2.0. Our LiveScan software has the ability to capture mug shots as well as Scars, Marks and Tattoos (SMTs) images. The operator will be presented with a live video preview of the subject before capturing the image.*

v. Parse Rapid ID response to display demographics and configurable trigger events from Florida Crime Information Center (FCIC)/National Crime Information Center (NCIC), Computerized Criminal History (CCH) response such as Warrants, Sex Offender, Probation, Gang, Known or Suspected Terrorist (KST), and Violent Felony Offender Statuses.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software can control the workflow to retrieve and parse Rapid ID response and display demographics and the abovementioned information. Parsed response can be shown via our messaging feature and/or the Response page of the transaction.*

vi. Display mugshot with available demographics and significant indicators (Warrants, Sex Offender, Probation, Gang, KST, and Violent Felony Offender Statuses).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software workflow can display Results Mugshot via our messaging feature and/or the Response page of the transaction. Significant Indicators can also be displayed via our messaging feature and/or the Response page of the transaction.*

vii. Indicators must represent via colors action required versus warning, e.g. Violent Felony Offender = Red, Wants/Warrants = Yellow.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Indicators can be accompanied by icon with specific colors as stated above.*

If the subject is identified by Rapid ID the system must:

i. Provide an entry screen for updating demographics, entering of registration information.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can display the descriptor entry screen after successful Rapid ID submission response processing. Based on the Rapid ID identification, our workflow engine can enable the registration fields in addition to updating other demographic fields.*

ii. Provide an Application Programming Interface (API) for exchanging demographic and charge information via the Records Management System and/or Jail Management System.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan solution has several standard data exchange protocols which third party systems can use. Additionally, we have published a standard 3rd Party Interoperability document that provides an interface to our LiveScan solution using secured web service calls, FTP and email protocols.*

iii. The API for exchanging information with a Records Management System and/or Jail Management System must conform to the National Information Exchange Model (NIEM) version of the Electronic Biometric Transmission Specification (EBTS).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our 3rd Party Interoperability can be configured to conform to the NIEM specification.*

vii. The DNA indicator will state if DNA is on file; if the officer determines that the charge requires the collection of a DNA sample the system must have a selection to process a DNA sample and:

1. Prompt the officer to collect a DNA sample.
2. Provide fields for the minimum data elements required to submit a DNA sample to the DNA database.
3. Print a label for affixing to the DNA oral swab kit with the required information and barcode for DNA sample submission.
4. Print the DNA submission form that accompanies the DNA sample.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow engine will prompt the officer to collect DNA if the DNA indicator returns that there is no DNA on file. While our solution can print a barcode label for affixing to the DNA oral swab kit, we highly recommend FDLE to consider the California DNA collection process. The California DNA collection process utilizes a pre-barcoded DNA oral swab, which provides temper proofing and substantially improves the chain of custody of the swab. If the officer determines that DNA collection is required, then simply barcode the swab into a non-editable field on the descriptor screen, then take the sample. The swab is then placed into a sealable envelop and send to the DNA lab for analysis. The DNA barcode is then transmitted with the booking transaction. DNA submission form can be printed as well; however, just like the barcode, we recommend that the data is relayed to the DNA lab electronically.*

iv. Transmit the plain impressions, mugshot, updated demographics and registration information to the FDLE BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit plain impression, mugshot, demographics and registration information to FDLE.*

If the subject is not identified by the Rapid ID search the system must:

i. Prompt the officer to collect a full tenprint and palm prints before proceeding to enter required data elements.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan workflow engine can control the transaction page flow to take the operator to the tenprint and palmprint capture page based on Rapid ID response.*

ii. Provide an entry screen for entering full demographics, registration information and additional required data elements for a criminal registration.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can display the descriptor entry screen after tenprint and palmprint collection.*

iii. The DNA indicator will state if DNA is on file; if the officer determines that the charge requires the collection of a DNA sample the system must have a selection to process DNA sample and:

1. Prompt the officer to collect a DNA sample.

2. Provide fields for the minimum data elements required to submit a DNA sample to the DNA database.

3. Print a label for affixing to the DNA oral swab kit with the required information and barcode for DNA sample submission.

4. Print the DNA submission form that accompanies the DNA sample.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow engine will prompt the officer to collect DNA if the DNA indicator returns that there is no DNA on file. While our solution can print a barcode label for affixing to the DNA oral swab kit, we highly recommend FDLE to consider the California DNA collection process. The California DNA collection process utilizes a pre-barcoded DNA oral swab, which provides temper proofing and substantially improves the chain of custody of the swab. If the officer determines that DNA collection is required, then simply barcode the swab into a non-editable field on the descriptor screen, then take the sample. The swab is then placed into a sealable envelop and send to the DNA lab for analysis. The DNA barcode is then transmitted with the booking transaction. DNA submission form can be printed as well; however, just like the barcode, we recommend that the data is relayed to the DNA lab electronically.*

iv. Transmit the tenprints, palm prints, mugshot, demographics and registration information to the FDLE BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit tenprints, palm prints, mugshot, demographics and charge information to FDLE.*

D. Federal Hold

Federal Hold workflow must:

i. Assign TCN.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software will automatically assign a TCN number at the start of a transaction.*

ii. Collect plain impressions – slaps and thumbs.

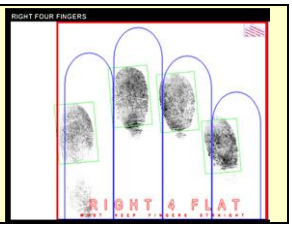
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow will require the operator to capture plain impressions first before allowed to proceed to subsequent step.*

iii. Segment fingers 2,3,7,8 and submit to Rapid ID.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan performs real-time fingerprint segmentation from flats; therefore, our software can extract segmented fingers 2,3,7,8 and submit a "pass 1" submission as a Rapid ID TOT.*



iv. Capture a mugshot via digital camera or configurable folder via standalone mugshot system.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our photo capture module is compatible with Canon EOS DSLR cameras and has a photo import function for attaining photos from standalone mugshot system. Our software has many built-in features to achieve the NIST best practice and standards Recommendations for Capture of Mugshots, Version 2.0. Our LiveScan software has the ability to capture mug shots as well as Scars, Marks and Tattoos (SMTs) images. The operator will be presented with a live video preview of the subject before capturing the image.*

v. Parse Rapid ID response to display demographics and configurable trigger events from Florida Crime Information Center (FCIC)/National Crime Information Center (NCIC), Computerized Criminal History (CCH) response such as Warrants, Sex Offender, Probation, Gang, Known or Suspected Terrorist (KST), and Violent Felony Offender Statuses.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software can control the workflow to retrieve and parse Rapid ID response and display demographics and the abovementioned information. Parsed response can be shown via our messaging feature and/or the Response page of the transaction.*

vi. Display mugshot with available demographics and significant indicators (Warrants, Sex Offender, Probation, Gang, KST, and Violent Felony Offender Statuses).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software workflow can display Results Mugshot via our messaging feature and/or the Response page of the transaction. Significant Indicators can also be displayed via our messaging feature and/or the Response page of the transaction.*

vii. Indicators must represent via colors required versus warning, e.g. Violent Felony Offender = Red, Wants/Warrants = Yellow.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Indicators can be accompanied by icon with specific colors as stated above.*

If the subject is identified by Rapid ID the system must:

i. Provide an entry screen for updating demographics, entering of Federal Hold information.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can display the descriptor entry screen after successful Rapid ID submission response processing. If the Rapid ID returned a hit, then our workflow can open the Descriptor Entry page for the operator to enter demographics and Federal Hold information.*

ii. Provide an Application Programming Interface (API) for exchanging demographic and charge information via the Records Management System and/or Jail Management System.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan solution has several standard data exchange protocols which third party systems can use. Additionally, we have published a standard 3rd Party Interoperability document that provides an interface to our LiveScan solution using secured web service calls, FTP and email protocols.*

iii. The API for exchanging information with a Records Management System and/or Jail Management System must conform to the National Information Exchange Model (NIEM) version of the Electronic Biometric Transmission Specification (EBTS).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our 3rd Party Interoperability can be configured to conform to the NIEM specification.*

iv. Transmit the plain impressions, mugshot, updated demographics and Federal Hold information to the FDLE BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit plain impressions, mugshot, updated demographics and Federal Hold information to FDLE.*

If the subject is not identified by the Rapid ID search the system must:

i. Prompt the officer to collect a full tenprint and Palm prints before proceeding to enter required data elements.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan workflow engine can control the transaction page flow to take the operator to the tenprint and palmprint capture page based on Rapid ID response.*

ii. Provide an entry screen for entering full demographics, Federal Hold information and additional required data elements.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can open the Descriptor Entry page after tenprint and palmprint capture page. Operator can enter demographics and Federal Hold information, along with other required data elements.*

iii. Transmit the tenprints, palm prints, mugshot, demographics and charge information to the local repository if required.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and simultaneously transmit tenprints, palm prints, mugshot, demographics and charge information to local repository if required.*

iv. Transmit the tenprints, palm prints, mugshot, demographics and change information to FDLE BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and simultaneously transmit tenprints, palm prints, mugshot, demographics and charge information to FDLE.*

E. Non-reportable charges (i.e. Remand, county ordinance, sentence from court:

Remand workflow must:

i. Assign TCN.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software will automatically assign a TCN number at the start of a transaction.*

ii. Collect plain impressions – slaps and thumbs.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow will require the operator to capture plain impressions first before allowed to proceed to subsequent step.*

iii. Segment fingers 2,3,7,8 and submit to Rapid ID.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan performs real-time fingerprint segmentation from flats; therefore, our software can extract segmented fingers 2,3,7,8 and submit a "pass 1" submission as a Rapid ID TOT.*

iv. Capture a mugshot via digital camera or configurable folder.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our photo capture module is compatible with Canon EOS DSLR cameras and has a photo import function for attaining photos from standalone mugshot system. Our software has many built-in features to achieve the NIST best practice and standards Recommendations for Capture of Mugshots, Version 2.0. Our LiveScan software has the ability to capture mug shots as well as Scars, Marks and Tattoos (SMTs) images. The operator will be presented with a live video preview of the subject before capturing the image.*

v. Parse Rapid ID response to display demographics and configurable trigger events.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software can control the workflow to retrieve and parse Rapid ID response and display demographics and the abovementioned information. Parsed response can be shown via our messaging feature and/or the Response page of the transaction.*

vi. Display mugshot with available demographics and significant indicators (Warrants, Sex Offender, Probation, Gang, KST, and Violent Felony Offender Statuses).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software workflow can display Results Mugshot via our messaging feature and/or the Response page of the transaction. Significant Indicators can also be displayed via our messaging feature and/or the Response page of the transaction.*

If the subject is identified by Rapid ID the system must:

i. Provide an entry screen for updating demographics, entering of remand information.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Indicators can be accompanied by icon with specific colors as stated above.*

ii. Provide an Application Programming Interface (API) for exchanging demographic and charge information via the Records Management System and/or Jail Management System.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan solution has several standard data exchange protocols which third party systems can use. Additionally, we have published a standard 3rd Party Interoperability document that provides an interface to our LiveScan solution using secured web service calls, FTP and email protocols.*

iii. The API for exchanging information with a Records Management System and/or Jail Management System must conform to the National Information Exchange Model (NIEM) version of the Electronic Biometric Transmission Specification (EBTS).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our 3rd Party Interoperability can be configured to conform to the NIEM specification.*

iv. Transmit the plain impressions, mugshot, updated demographics and FederalHold information to the FDLE BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit plain impressions, mugshot, updated demographics and other information to FDLE.*

If the subject is not identified by the Rapid ID search the system must:

i. Prompt the officer to collect a full tenprint before proceeding to enter required data elements.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan workflow engine can control the transaction page flow to take the operator*

to the tenprint capture page based on Rapid ID response.

ii. Provide an entry screen for entering full demographics, charge information and additional required data elements for a booking.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can open the Descriptor Entry page after tenprint and palmprint capture page. Operator can enter demographics, charge information, and other required data elements.*

iii. Provide an Application Programming Interface (API) for exchanging demographic and charge information via the Records Management System and/or Jail Management System.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan solution has several standard data exchange protocols which third party systems can use. Additionally, we have published a standard 3rd Party Interoperability document that provides an interface to our LiveScan solution using secured web service calls, FTP and email protocols.*

iv. The API for exchanging information with a Records Management System and/or Jail Management System must conform to the National Information Exchange Model (NIEM) version of the Electronic Biometric Transmission Specification (EBTS).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our 3rd Party Interoperability can be configured to conform to the NIEM specification.*

v. Transmit the tenprints, mugshot, demographics and charge information to theFDLE BIS to perform a search without add transaction.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit tenprint impressions, mugshot, demographics, charge and other information to FDLE.*

F. Department of Corrections Incarceration:

Department of Corrections Incarceration workflow must:

i. Assign TCN & OBTS number.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software will automatically assign a TCN and OBTS numbers at the start of a transaction.*

ii. Collect plain impressions – slaps and thumbs.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow will require the operator to capture plain impressions first before allowed to proceed to subsequent step.*

iii. Segment fingers 2,3,7,8 and submit to Rapid ID.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan performs real-time fingerprint segmentation from flats; therefore, our software can extract segmented fingers 2,3,7,8 and submit a "pass 1" submission as a Rapid ID TOT.*

iv. Capture a mugshot via digital camera or configurable folder via standalone mugshot system.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our photo capture module is compatible with Canon EOS DSLR cameras and has a photo import function for attaining photos from standalone mugshot system. Our software has many built-in features to achieve the NIST best practice and standards Recommendations for Capture of Mugshots,*

Version 2.0. Our LiveScan software has the ability to capture mug shots as well as Scars, Marks and Tattoos (SMTs) images. The operator will be presented with a live video preview of the subject before capturing the image.

v. Parse Rapid ID response to display demographics and configurable trigger events from Florida Crime Information Center (FCIC)/National Crime Information Center (NCIC), Computerized Criminal History (CCH) response such as Warrants, Sex Offender, Probation, Gang, Known or Suspected Terrorist (KST), and Violent Felony Offender Statuses.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software can control the workflow to retrieve and parse Rapid ID response and display demographics and the abovementioned information. Parsed response can be shown via our messaging feature and/or the Response page of the transaction.*

vi. Display mugshot with available demographics and significant indicators (Warrants, Sex Offender, Probation, Gang, KST, and Violent Felony Offender Statuses).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software workflow can display Results Mugshot via our messaging feature and/or the Response page of the transaction. Significant Indicators can also be displayed via our messaging feature and/or the Response page of the transaction.*

vii. Indicators must represent via colors required versus warning, e.g. Violent Felony Offender = Red, Wants/Warrants = Yellow.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Indicators can be accompanied by icon with specific colors as stated above.*

If the subject is identified by Rapid ID the system must:

i. Provide an entry screen for updating demographics, entering of incarceration information.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can display the descriptor entry screen after successful Rapid ID submission response processing. If the Rapid ID returns a positive ID, then our workflow engine can navigate to the descriptor entry page to enable operator to enter incarceration information and additional required data elements to complete the booking.*

ii. Transmit the plain impressions, mugshot, updated demographics and incarceration information to the FDLE BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit tenprints, palm prints, mugshot, demographics and charge information to FDLE.*

ix. The DNA indicator will state if DNA is on file; if the officer determines that the charge requires the collection of a DNA sample the system must have a selection to process a DNA sample and:

1. Prompt the officer to collect a DNA sample.
2. Provide fields for the minimum data elements required to submit a DNA sample to the DNA database.
3. Print a label for affixing to the DNA oral swab kit with the required information and barcode for DNA sample submission.
4. Print the DNA submission form that accompanies the DNA sample.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow engine will prompt the officer to collect DNA if the DNA indicator returns that there is no DNA on file. While our solution can print a barcode label for affixing to the DNA oral swab kit, we highly recommend FDLE to consider the California DNA collection process. The California DNA collection process utilizes a pre-barcoded DNA oral swab, which provides temper proofing and substantially improves the chain of custody of the swab. If the officer determines that DNA collection is required, then simply barcode the swab into a non-editable field on the descriptor screen, then take the sample. The swab is then placed into a sealable envelop and send to the DNA lab for analysis. The DNA barcode is then transmitted with the booking transaction. DNA submission form can be printed as well; however, just like the barcode, we also recommend that the data is relayed to the DNA lab electronically.*

If the subject is not identified by the Rapid ID search the system must:

i. Prompt the officer to collect a full tenprint and Palm prints before proceeding to enter required data elements.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan workflow engine can control the transaction page flow to take the operator to the tenprint and palmprint capture page based on Rapid ID response.*

ii. Provide an entry screen for entering full demographics, incarceration information and additional required data elements for a booking.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can display the descriptor entry screen after tenprint and palmprint collection.*

iii. The DNA indicator will state if DNA is on file; if the officer determines that the charge requires the collection of a DNA sample the system must have a selection to process a DNA sample and:

1. Prompt the officer to collect a DNA sample.
2. Provide fields for the minimum data elements required to submit a DNA sample to the DNA database.
3. Print a label for affixing to the DNA oral swab kit with the required information and barcode for DNA sample submission.
4. Print the DNA submission form that accompanies the DNA sample.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow engine will prompt the officer to collect DNA if the DNA indicator returns that there is no DNA on file. While our solution can print a barcode label for affixing to the DNA oral swab kit, we highly recommend FDLE to consider the California DNA collection process. The California DNA collection process utilizes a pre-barcoded DNA oral swab, which provides temper proofing and substantially improves the chain of custody of the swab. If the officer determines that DNA collection is required, then simply barcode the swab into a non-editable field on the descriptor screen, then take the sample. The swab is then placed into a sealable envelop and send to the DNA lab for analysis. The DNA barcode is then transmitted with the booking transaction. DNA submission form can be printed as well; however, just like the barcode, we also recommend that the data is relayed to the DNA lab electronically*.

iii. Transmit the tenprints, palm prints, mugshot, demographics and incarceration information to the FDLE BIS.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit tenprints, palm prints, mugshot, demographics and incarceration information to FDLE.*

G. Criminal Justice Applicant:

Criminal Justice Applicant workflow must:

i. Assign TCN.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software will automatically assign a TCN number at the start of a transaction.*

ii. Collect full tenprint.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our workflow will require the operator to capture tenprint first before allowed to proceed to subsequent steps.*

iii. Capture a portrait via digital camera or configurable folder.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our photo capture module is compatible with Canon EOS DSLR cameras and has a photo import function for attaining photos from standalone mugshot system. Our software has many built-in features to achieve the NIST best practice and standards Recommendations for Capture of Mugshots, Version 2.0. The operator will be presented with a live video preview of the subject before capturing the image.*

iv. Provide an entry screen to input demographic and applicant information.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solution can display the descriptor entry screen after the Photo Capture page.*

v. Provide an XML export of demographic information in a standard format for inclusion in a human resource system.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan solution has several standard data exchange protocols including XML export of demographic information for third party systems.*

vi. Transmit the tenprint and portrait to the FDLE Civil Workflow Control System (CWCS).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan and CMS software can package and transmit tenprints, portrait, and demographics to FDLE CWCS system.*

3. Fewer than tenprint search / capture devices (fixed/desktop)

A. Compliance

i. Equipment / Software must be compliant with Wavelet Scalar Quantization (WSQ) Grayscale Fingerprint Image Compression Specifications (IAFIS-IC-0110 v3.1 October 1, 2010) for 500ppi images.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software use our own FBI certified and compliant WSQ algorithm to compress 500ppi images.*

ii. Equipment / Software must be compliant with Joint Photographic Experts Group (JPEG) JPEG-2000 10:1 lossy compression in accordance with the National Institute of Standards and Technology Interagency Report "Effects of JPEG 2000 Lossy Image Compression on 1000ppi Fingerprint Imagery" (NISTIR 7780, July 2013) for 1000ppi images.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software use compliant JPEG 2000 lossless or lossy compression for 1000ppi images. JPEG 2000 can achieve 10:1 compression ratio in both lossless and lossy compression methods. Per FBI EBTS 10.0 specification "The FBI/CJIS expects 1000 ppi scanned Type-14 and Type-15 images to be compressed with the JP2L algorithm"; therefore, Biometrics4ALL generally recommends lossless compression rather than lossy in all of our 1000ppi implementations.*

iii. Equipment / Software must be compliant with the Gaussian filter strategy for downsampling of 1000ppi to 500ppi for legacy pathway processing in accordance with National Institute of Standards and Technology Interagency Report "Examination of Downsampling Strategies for Converting 1000ppi Fingerprint Imagery to 500ppi" (NISTIR 7839, January 2013) for 1000ppi images that are stored or transmitted at 500ppi.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software 1000ppi to 500ppi downsampling algorithm incorporates Gaussian filter in accordance with NIST specification. Our downsampling algorithm is in productive use at multiple agencies in various states and counties such as California.*

iv. Equipment / Software must be compliant with American National Standard for Information Systems (ANSI) Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information (ANSI/NIST-ITL l-2011). Additionally, considerations for bandaged, amputated, and/or deformed digits must be in compliance with the ANSI/NIST standard.

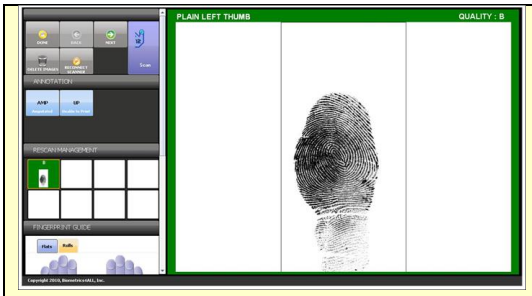
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software are in full compliance with ANSI NIST ITL I-2011 for all biometrics and descriptor data. Should ANSI/NIST enhances the specification, Biometrics4ALL has the ability to quickly modify our software to conform to the revisions and push the updates to our LiveScan Software.*

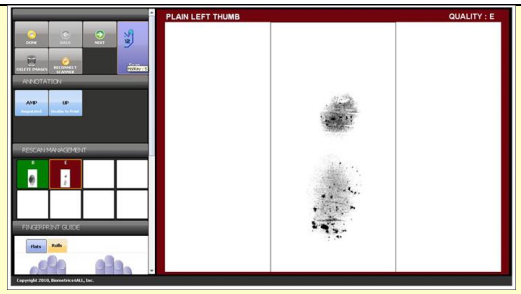
v. System must conform to the NIST Fingerprint Image Quality (NFIQ) 2.0 standard.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's fingerprint quality assessment algorithm conforms to the NFIQ 2.0 standard. Our software presents the NFIQ quality ratings using clear letter (A,B,C,D,E) and simple "traffic light color" (Green, Yellow, Red) representations. Where "green" represents good image quality, "yellow" represents borderline image quality, and "red" represents poor image quality.*



Good Quality Image Capture Feedback With GREEN BORDER



Poor Quality Image Capture Feedback RED BORDER

vi. Equipment / Software must meet the Federal Bureau of Investigation's (FBI) Electronic Biometric Transmission Specification (EBTS) (NGI-DOC-01078-10.0 July 2, 2013) including Appendix F image quality specifications.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software are fully compliant with all EBTS versions including 10.0.*

vii. Equipment / Software must communicate via TCP/IP. The FDLE's preference is for common services to communicate on their commonly accepted ports. For applications to communicate to a remote vehicle (e.g., a patrol car), the application must have the ability to transmit its packets through a proxy. This proxy capability must be native to the application. All transmissions must comply with a fully qualified ANSI/NIST data formatted packet.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software are fully compliant with CJIS Security Policy v 5.3. Our software incorporates complex and expiring password enforcement as well as multi-factored user authentication using fingerprint or one-time use text message depending on the application. Additionally, Biometrics4ALL offers the Industry's only fully encrypted biometrics data storage that exceeds the requirements of CJIS Security Policy v5.3. Furthermore, our product protects Personally Identifiable Information (PII) data with the same stringiness as the Criminal History Records Information (CHRI) data. The CJIS v5.3 Security Policy has far less requirements for PII as it does for CHRI. In light of recent Office of Personnel Management (OPM) data breach incident where 20+ million PII and CHRI information was stolen, there is an increasing emphasis on encrypting data at storage. Biometrics4ALL is the only company with software products that can help FDLE and FL Law Enforcement Agencies to achieve such level of data protection.*

Our Equipment / Software communicate via TCP/IP. We allow common services to communicate on their commonly accepted ports. All applications have the ability to transmit its packages through a proxy native to its application. Those transmissions comply with a fully qualified ANSI/NIST data formatted packet.

Additionally, our software can communicate with FDLE using any secured communication protocols as specified.

viii. Equipment / Software must be compliant with FALCON Interface Control document (ICD) specifications for Rapid ID transactions.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software are fully compliant and certified by FDLE for compliance the FALCON ICD.*

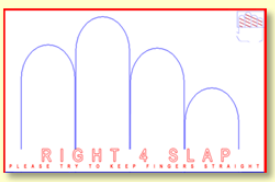
B. Standards

System equipment, software and warranty must be integrated into a single unit and include the following:

i. Must provide on-screen prompts that indicate the appropriate finger to be captured for each type of transaction.

Response: *Biometrics4ALL has read, understands and complies.*

- ***Explanation:*** *Our proposed solution allows the fingers to be rolled in either direction. Additionally, Biometrics4ALL uses several methods to ensure rolls and flats are from the same hand and individual.*
  - *First, our capture sequence can be configured to capture specific fingers in any order. Our recommendation is to always capture one hand first, and then switch to the other hand rather than swapping hands back and forth. Icons at the top also clearly reflect the hand and position to further reduce confusion.*
  - *Second, the operator is shown a clear on-screen hand positioning guide that clearly requests the right vs. left hand in multiple ways, including: an outline that clearly reflect right vs. left; the word left vs. right; and highlighting of the left vs. right. All of which are designed to draw the attention of the operator.*



  - *Third, our context sensitive help video also clearly instructs the operator to capture the right or the left hand first.*
  - *Fourth, when prints are taken out of sequence, the system provides the operator a clear and relevant message and allows the operator to make immediate correction.*

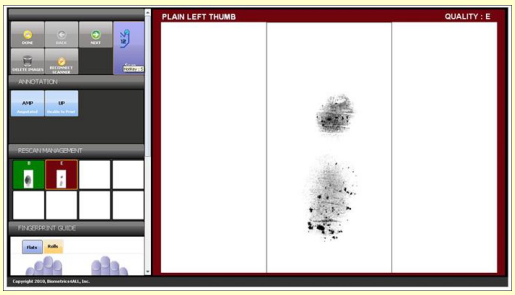
ii. The system will have the ability to determine the NFIQ score for each fingerprint collected.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our system provides immediate quality control feedback to the operator, this includes:*

- *Fingerprint and Palmprint Quality Assessment using NIST Fingerprint Image Quality (NFIQ) ratings in conjunction with our proprietary palm quality assessment algorithm.*
- *Quality results are shown in 5 levels (A, B, C, D, and E) and displayed using standard traffic light colors (green, yellow, and red)*

Good Quality Image Capture Feedback With GREEN BORDER



Poor Quality Image Capture Feedback RED BORDER

  - *A, B, and C are considered as good prints (per NIST specification) and are displayed using the green color.*
  - *D is considered as fair quality and should consider recapture. It is displayed using the yellow color*

- *E is considered as poor quality and should be retaken. It is displayed using the red color*

iii. The minimum NFIQ score for an acceptable transmission will be user configurable.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Minimum NFIQ score and number of retry attempts for an acceptable transmission is configurable and can be configured differently for each fingerprint or palmprint positions to achieve an optimal balance between acquiring the best possible images vs. operator workload.*

iv. Must provide immediate quality control feedback to the operator. An indicator must appear on-screen to classify the image as acceptable or unacceptable, prior to the capture of the next finger.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software provides immediate on-screen and audible quality control feedback to the operator. These quality feedback include but not limited to:*

- *NFIQ Quality Rating in letter grading as well as traffic color representation*
- *Audible feedback to indicate passing quality vs. failing quality. Audible can range from a simple chime sound to a full speech feedback such as "insufficient image quality, please rescan".*
- *Supplemental quality assessments such as:*
  - ***Check Hand*** *– Detects if the wrong hand is used for flat 4 fingers or upper palm images.*
  - ***Insufficient Roll*** *- Detects if the operator performed a proper roll.*
  - ***Image Too Light or Too Dark*** *– Indicates if the operator did not perform adequate hand preparation.*
  - ***No Match Found*** *– Indicates that a rolled print cannot be verified against the flat impression due to poor image quality or unidentifiable fingerprint is captured.*

Additionally, if minimum quality threshold is not met and the number of retry attempts is not satisfied, the operator will not be allowed to proceed to the next finger.

v. Must support the compression of images at the workstation prior to transfer to the FDLE BIS, allowing for more efficient use of the local area bandwidth. Compression must use an FBI-certified WSQ algorithm to meet the FBI- certified compression ratio.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Images are compressed using our FBI-certified WSQ compression algorithm for 500ppi images prior to submitting to FDLE.*

vi. The system must display the transmission status of completed captures. Internal storage must be incorporated to store captured images and data if transmission is delayed.

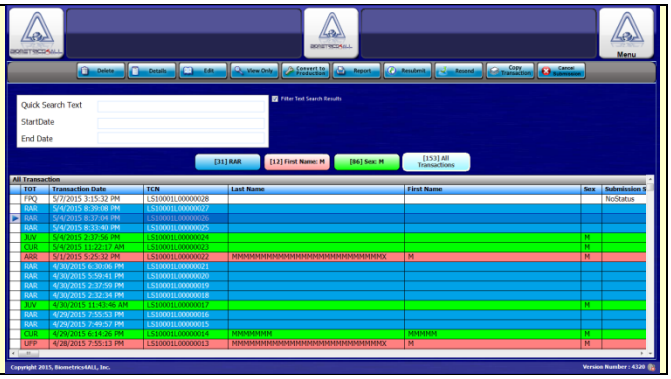
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Transactions and statuses are displayed under our Manage Transaction page, which has the industry's most flexible display. Here are a few configurations our customers have commonly taken advantage of:*

- *User role based follow-up actions such as resubmission is available to users, while delete is limited to supervisors.*
- *Filter buttons/groupings with unique color representations. For example, Hit responses are*

displayed with red row color to draw attention and can be filtered by a red button.

- *Custom column selection, column header label, column width, and column order*



vii. The system must meet the FBI CJIS Security Policy regulating Access Control, Identification and Authentication.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL offers the Industry's only fully encrypted LiveScan system, providing a world class security infrastructure that exceeds the FBI CJIS Security Policy v5.3.*

As a certified FBI Channeler, our LiveScans and CMS have been approved by the FBI to comply with the latest CJIS v5.3 Security Policy.

Our product protects Personally Identifiable Information (PII) data with the same stringiness as the Criminal History Records Information (CHRI) data. The CJIS v5.3 Security Policy has far less requirements for PII as it does for CHRI. However, we believe that protecting PII data is equally as important (if not more so) than CHRI data. We believe that CJIS will eventually demand that PII data is protected in the same way as CHRI data. At such time, our products will already be fully compliant.

Because our entire solution is protected by 256bit AES encryption, Biometrics4ALL solution does not require special network configurations to achieve a level of security that exceeds the CJIS Security Policy. However, we would be happy to assist in case FDLE is looking for recommendations to achieve the CJIS network requirements (e.g., Intrusion detection appliance, etc.) as we have already been certified by the FBI with our own infrastructure for the FBI Channeling practice.

viii. The system must have a security system to prevent unauthorized operator access.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL views security as one of our utmost design priority. This is why security is at the core of our solutions architecture starting with encrypted data storage and communication. Our operator is protected by FBI CJIS Security Policy compliant passwords, which includes the following:*

- *Minimum of 8 characters.*
- *Not to be a dictionary word or proper name.*
- *Must contain at least three (3) of the following four (4) elements:*
- *English upper case letters*
- *English lower case letters*
- *Westernized Arabic numbers*
- *Special characters.*
- *Not to be the same as the user name*
- *Expires every 90 days, at a minimum*
- *Not identical to the previous ten (10) passwords*
- *Not transmitted unencrypted outside the secure location*

Additionally, secondary authentication using fingerprints is also available for further LiveScan access protection and single use mobile text code is available for our web portal protection.

ix. The system must provide an interface to a directory service for user access. i.e. Microsoft Active Directory or Lightweight Directory Access Protocol (LDAP).

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's LiveScan and CMS support Microsoft AD or LDAP. Additionally, Our AD integration has a built in logic for time restricted offline booking (in the event the network is temporarily unavailable).*

x. The system must incorporate role based access with privileges assigned based on a configurable user profile.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solutions support three standard user groups; additional levels may be created if desired. Each user group can be associated with a specific set of abilities and viewing privileges and can be mapped to Active Directory Groups. We will work with FDLE and the agency to establish the best integration.*

xi. The system must have a timeout feature that will not leave the system in a "logged on" state for more than thirty minutes if the operator leaves the area. xii. The system must allow for the printing of transactions and responses.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solutions have a built-in auto logout function that can be configured. We will configure our deployment in FL to have a 30 minute auto logout.*

xiii. The system must allow for the printing of transactions and responses to be selectable, e.g. only Criminal History or only Wants and Warrants.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Each Template can be configured to include or exclude the printing feature. If available, the Operator can select the exact form to print (e.g. Criminal History or Wants and Warrants).*

xiv. The system must be capable of performing automatic calibrations at programmed intervals and then logging the results of those calibrations. Contractor must list calibration elements.

Response: *Biometrics4ALL has read, understands and complies and with clarification.*

Explanation: *The proposed scanner does not require or have any calibration features. It is not an optical based scanner with a glass surface. Rather it's a film technology that ignores any dirt or debris. This new technology developed by Integrated Biometrics Technology (IBT) utilizes the electricity emitted from the finger to illuminate the surface film then acquires the image. IBT technology is heavily utilized by the United States Department of Defense over the past few years and is an excellent, field proven, and reliable scanner option.*

xv. The system must have remote diagnostic capability.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's LiveScan infrastructure has the industry's most advanced remote diagnostic and management capabilities. When used in conjunction with our Central Management Server (CMS) the following remote diagnostic and management features are a few examples of what can be performed:*

- *LiveScans automatically report system environment conditions and information periodically to CMS.*
- *LiveScans can push screenshots to the CMS for Administrators to review at a later time.*
- *Administrators can pull screenshots from a LiveScan at any time.*
- *LiveScans can be remotely upgraded with new software or configurations.*

- *CMS can display online status of all LiveScans it manages.*
- *CMS can push broadcast messages to the LiveScan to inform or instruct operators.*
- *CMS can schedule calendar events to any LiveScans.*

Additionally, remote access protocols such as RDP or VNC can be configured for remote access for additional remote diagnostic purposes.

xvi. Contractor must provide documentation on the system's capability to produce data for management reports showing system usage, operators using the system, calibration and other functionalities.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *LiveScans can produce output data in csv file format for system usage, operator performance, and scanner calibration data for management reports. Biometrics4ALL can also work with FDLE and FL agencies to establish additional data output if desired.*

Our Central Management Server (CMS) has a lot more management reporting features than the LiveScan. Using our CMS web portal, administrators can mine data in the system and create specific reports. Standard performance and transaction detail reports can be automatically emailed to the Reports Contact (established for each LiveScan and each agency) on a set frequency such as daily, weekly, and/or monthly. All these reports are exportable to MS Excel and most reports are available in Excel, CSV, and PDF versions.

The existing reports include:

- *Performance Reports*
  - *Bookings/templates by LiveScan*
  - *Bookings/templates by Operator*
  - *Percentage of Rejections/Resubmissions by LiveScan*
  - *Percentage of Rejections/Resubmissions by Operator*
  - *Average Fingerprint Quality by LiveScan*
  - *Average Fingerprint Quality by Operator*
  - *Percent of sequence or quality criteria overrides by LiveScan*
  - *Percent of sequence or quality criteria overrides by Operator*
  - *Average processing time by LiveScan*
  - *Average processing time by Operator*
- *Status Reports*
  - *Status report by LiveScan (online status and last activity date/time)*
  - *LiveScan environment report (Software version, OS version, LOV version, etc.)*
  - *LiveScan "cached" users and/or local users.*
- *Internal billing report (if charge back is desired)*

Standard data mining filters:

- *Date range*
- *Agency or list of Agencies (multi-select)*
- *LiveScan or list of LiveScans (multi-select)*
- *By Templates (multi-select).*
- *When applicable, by Operator or list of Operators (multi-select).*

C. Usability

i. Must have a user interface designed for ease of use with minimal need for mouse or keyboard.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our LiveScan software is designed for intuitive use by leveraging the Windows GUI standards, among many other factors. Thousands of users around the world have found our application to be extremely intuitive and easy to use. In fact, our application has gone head-to-head with our closest competitor, and easily won the ease-of-use contest conducted by the customer without the vendor's involvement. Biometrics4ALL received a large contract as result of this contest evaluated by actual law enforcement operators. We believe that FDLE will find that our application is very easy to learn and can be quickly deployed. For each function/purpose, our design team based our GUI style selection on Windows standards, common use, ease-of-use for touchscreens, relevance, visual effect, consistency, configurability, scalability, supportability, trainability, and more.*

Additionally, Biometrics4ALL understands that each operator has his/her own preference for interacting with the scanning process. We allow any and all of the following methods:

- ***Screen Buttons:*** *Our Screen Buttons are larger than the typical application to facilitate the use of touchscreens. The operator may click or press the button on the screen to activate the desired function. These buttons include, but are not limited to: start capture, cancel capture, move to next, snap the photo, etc.*
- ***Keyboard Hotkeys:*** *Our application is designed to operate all major functions only using the keyboard. Many hotkeys have been built for operators with keyboard preference. The application also re-uses hotkeys to perform the same series of functions to reduce operator confusion. For instance, the "S" key is used to initiate the scan sequence, capture the fingerprint image, or snap a photo; the "ESC" key cancels capture, cancel the transaction, and exits most situations; the page down key is used to proceed to the next position, move to the next page, etc.*
- ***Foot Pedal:*** *Our application utilizes the foot pedal for many functions. Our intention is to free the officer's hands for other needs. The foot pedals can initiate the scan process for un-captured finger or palm images, trigger the scan, move to the next position, proceed to the next screen, snap a photo, etc.*
- ***Automatic features:*** *Our application has several automatic modes for fingerprint/palmprint capture. Operators can set the LiveScan to automatically capture the image when the software detects the presence of the finger/palm. The operator can further define the speed (in tenth of a second) by which the capture should be triggered. These settings are specific to the operator and are typically based on experience and their personal preference. Settings are stored specific to their login (even with the integration of Active Directory User Management). Additionally, the operator can set the LiveScan to automatically advance to the next finger/palm position upon a successful image capture. Similarly, the operator can set the speed (in tenth of a second) by which to move on after a successful capture.*

ii. Fingerprint capture plate must be easily cleaned and disinfected between print capture sessions. Both the capture plate life with regular disinfecting and the procedure for replacing coated prisms, if applicable, must be stated by Contractor.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Proposed fingerprint and palmprint scanners are all equipped with sealed surface with no coating or consumables for easy cleaning and disinfecting between print capture sessions. To clean the scanner, simply use a glass cleaner and wipe down with microfiber cloth, soft tissues or cloth. Do not use paper towel materials that contain wood particles as it may scratch the platen glass over time.*

Additionally, our on-demand help-videos also provide guidance on how to properly clean the scanner and

platen.

iii. Must be of compact design to permit countertop-placement in a booking area, or be portable.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Desktop configurations are equipped with a desktop computer or laptop, monitor, scanner, and peripherals. They are compact in size and can easily be placed on a countertop and require approximately 3' X 3' of work space to perform booking. Biometrics4ALL also offer several configurations of portable systems:*

- ***Portable Carrying Case:*** *For transporting the laptop based system.*
- ***Operating Case with External Power:*** *For operating the booking system inside a carrying case without removing the system from the case. This configuration is powered by external power source via a single power cable.*
- ***Operating Case with Internal Batteries:*** *For operating the booking system inside a carrying case without removing the system from the case. This configuration is powered by lithium ion batteries for 6 to 8 hours of operation without an external power source.*

4. Fewer Than Tenprint Search / Capture Devices (Mobile)

System equipment, software, service and warranties must be integrated into a single unit and include the following:

A. Compliance

i. Equipment / Software must be compliant with Wavelet Scalar Quantization (WSQ) Grayscale Fingerprint Image Compression Specifications (IAFIS-IC-0110 v3.1 October 1, 2010) for 500ppi images.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Mobile ID Solution deploying with iPhone incorporates the NEC NeoScan 45 Mobile Fingerprint Collection Device which has a built-in FBI certified WSQ compression. When deployed on vehicle laptop computers, our LiveScan software will perform the WSQ compression using Biometrics4ALL's FBI certified compression algorithm.*

ii. Equipment / Software must be compliant with Joint Photographic Experts Group (JPEG) JPEG-2000 10:1 lossy compression in accordance with the National Institute of Standards and Technology Interagency Report "Effects of JPEG 2000 Lossy Image Compression on 1000ppi Fingerprint Imagery" (NISTIR 7780, July 2013) for 1000ppi images.

Response: *Requirement cannot be achieved by any vendor in the industry.*

Explanation: *1000ppi mobile fingerprint capture device does not exist in the industry. Therefore, JPEG 2000 compression does not apply.*

iii. Equipment / Software must be compliant with the Gaussian filter strategy for downsampling of 1000ppi to 500ppi for legacy pathway processing in accordance with National Institute of Standards and Technology Interagency Report "Examination of Downsampling Strategies for Converting 1000ppi Fingerprint Imagery to 500ppi" (NISTIR 7839, January 2013) for 1000ppi images that are stored or transmitted at 500ppi.

Response: *Requirement cannot be achieved by any vendor in the industry.*

Explanation: *1000ppi mobile fingerprint capture device does not exist in the industry. Therefore, downsampling does not apply.*

iv. System must conform to the NIST Fingerprint Image Quality (NFIQ) 2.0 standard.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Mobile ID Solution deployed with iPhone incorporates the NEC NeoScan 45 Mobile Fingerprint Collection Device which has a built-in NFIQ 2.0 rating. The device will only accept the fingerprint image upon satisfying NFIQ requirement. When deployed on vehicle Laptop computer, our LiveScan software will perform the NFIQ 2.0 assessment.*

v. Equipment / Software must be compliant with American National Standard for Information Systems (ANSI) Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information (ANSI/NIST-ITL l-2011). Additionally, considerations for bandaged, amputated, and/or deformed digits must be in compliance with the ANSI/NIST standard.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software are in full compliance with ANSI NIST ITL I-2011 for*

all biometrics and descriptor data. Data packaging for our Mobile ID solution deployed with iPhone occurs at our Central Management Server (CMS) which will ensure all data packaging conforms to ITL I-2011 specification. When deployed on vehicle laptop computer, our LiveScan will perform data packaging function and ensure full compliance with ITL I-2011.

vi. Equipment/Software must meet the Federal Bureau of Investigation's (FBI) Electronic Biometric Transmission Specification (EBTS) (NGI-DOC-01078-10.0 July 2, 2013) including Appendix F image quality specifications.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Equipment / Software are fully compliant with all EBTS versions including 10.0. Data packaging for our Mobile ID solution deployed with iPhone occurs at our Central Management Server (CMS) which will ensure all data packaging conforms to EBTS 10.0 specification. When deployed on vehicle laptop computer, our LiveScan will perform data packaging function and ensure full compliance with EBTS 10.0.*

vii. Equipment/Software must communicate via TCP/IP. The FDLE's preference is for common services to communicate on their commonly accepted ports. For applications to communicate to a remote vehicle, e.g., a patrol car, the application must have the ability to transmit its packets through a proxy. This proxy capability must be native to the application. All transmissions must comply with a fully qualified ANSI/NIST data formatted packet.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our Equipment / Software communicate via TCP/IP via common ports. Our Mobile ID solution deployed with iPhone communicates with FDLE via our Central Management Server (CMS) where CMS ensures communication with FDLE is conducted via TCP/IP via commonly accepted ports. If deployed on vehicles, our LiveScan software can perform the data communication with the same level of flexibility as our CMS.*

viii. Equipment/Software must be compliant with FALCON ICD specifications for Rapid ID transactions

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's Mobile ID solution is fully compliant with FALCON ICD.*

B. Standards

i. The system must support wireless communications

a. Cellular (e.g., GSM, GPRS/EDGE, and CDMA

b. Wi-Fi (802.11x)

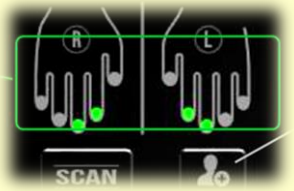
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our Mobile ID solution supports all standard Cellular and Wi-Fi communication. If deployed with iPhone, different phone must be purchased based on the cellular carrier brand and technology supported.*

ii. Must feature on-screen or hand-held system prompts that indicate the appropriate finger to be captured for each type of transaction

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *The NEC NeoScan 45 Mobile Fingerprint Capture Device has a build-in finger indicator light that instructs the subject which finger to place on the capture surface. This is fully configurable depending on the TOT.*



iii. The system must operate in a temperature range of 32º – 104º F (0º - 40º C) and a relative humidity range of 10% - 90%

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *The NEC NeoScan 45 Mobile Fignerprint Capture Device has an operating temperature range of* 32º – 105º F and relative humidity range of 10% - 95% non-condensing.

iv. The unit must be of a compact design weighing less than 2.5 pounds.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *NEC NeoScan 45 weighs less than 9 oz (less than 0.6 pounds).*

v. The system will have the ability to determine the NFIQ score for each fingerprint collected.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our Mobile ID solution can assess NFIQ scores for each fingerprint and display the quality of the fingerprint to the operator.*

vi. The minimum NFIQ score for an acceptable transmission will be user configurable.

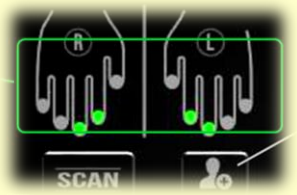
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Minimum acceptable NFIQ score (1-5) can be configured by administrator.*

vii. Must provide immediate quality control feedback to the operator. An indicator must appear on-screen to classify the image as acceptable or unacceptable, prior to the capture of the next finger.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *NEC NeoScan 45 has built-in lights indicating acceptable fingerprints prior to moving on to the next finger.*



viii. The system must be able to run on rechargeable lithium-ion batteries that allow for no less than 8 hours of operation, with a minimum of 5 hours of continuous operation.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *NEC NeoScan 45 can power up to 200 scans per day and 24 hours of standby which will easily satisfy 8 hours of operation.*

ix. Must support the compression of images at the workstation prior to transfer to the FDLE BIS, allowing for more efficient use of the local area bandwidth. Compression must use an FBI-certified WSQ algorithm to meet the FBI- certified compression ratio.

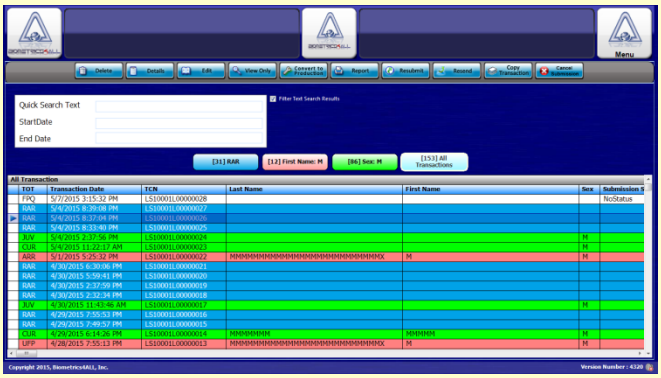
Response: *Biometrics4ALL has read, understands and complies.*

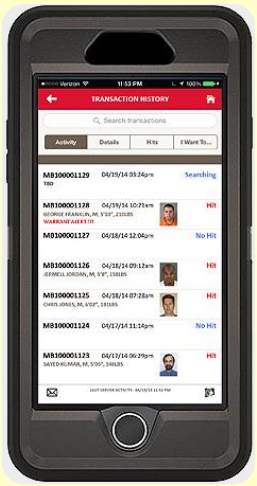
Explanation: *All images will be WSQ compressed before transmitting to FDLE.*

x. The system must display the transmission status of completed captures. Internal storage must be incorporated to store captured images and data if transmission is delayed.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our Mobile ID deployed with iPhone can display transmission status and transaction history as well as search results on an intuitive page. Pending transmission transactions will also be displayed and queued up for transmission upon restoring communication. If deployed on vehicle laptop, then our LiveScan's Manage Transaction Page will clearly display the transmission status and transaction history.*





xi. The system must provide a mechanism that enables an administrator to periodically delete stored records.

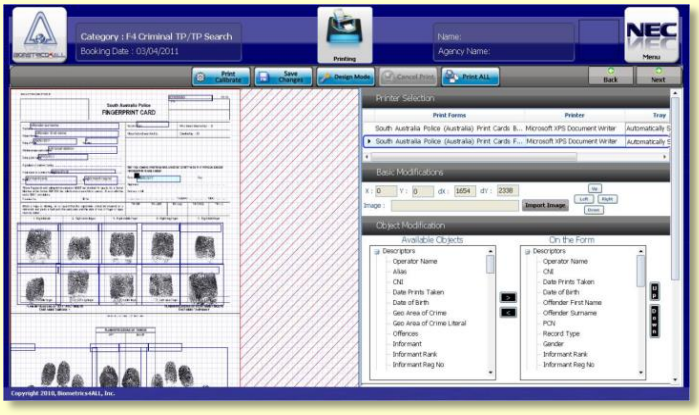
Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Administrators typically do not need to perform the delete function since our system is equipped with automatic data retention cleanup feature running as a background service. However, a "Delete" transaction button can be configured to enable Administrators to periodically delete stored records if additional manual delete activity is desired.*

xii. The system must provide a preview of the fingerprint image and data as it will be printed on a fingerprint card, and allow the operator to view a zoomed image.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL's LiveScan software has the industry's only WYSIWYG (What You See Is What You Get) card design user interface. Previews in design mode and printout views can be zoomed in for detailed review and precise layout alignment. We are able to configure the layout of a new card or form in minutes, and make modifications in seconds. Administrators can easily make modifications or consult Biometrics4ALL for assistance.*

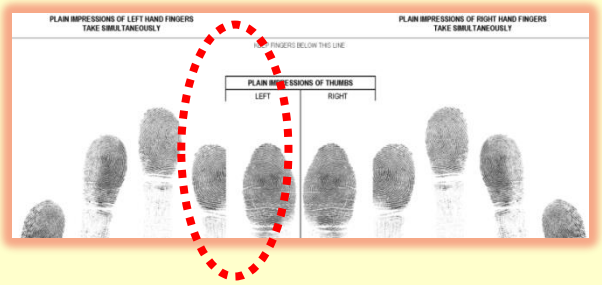


Our competitor's print card/form configurations are done through a complicated XML file that requires a vendor engineer to perform such task, and takes an extensive amount of time. When the agency requires a change, extra costs are often incurred.

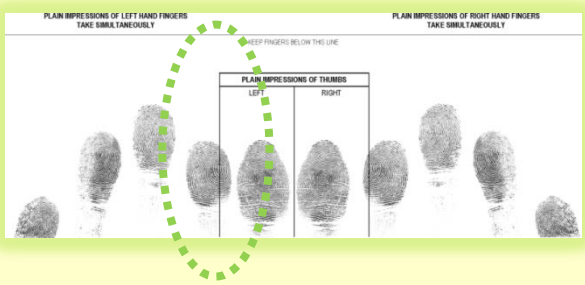
Additionally, as FDLE may be aware, the standard card does not properly fit today's LiveScan image sizes. For instance, it is virtually impossible to print two 4 finger slap impressions and 2 flat thumb impressions on a single row without overlapping by 3/4 inch. This is because these 4 images have total widths of 8.4 inches (3.2" + 1" + 1" + 3.2"), and there is still 3/8" (3/16" on each side) of typical printer margins to content with.

All other printing solutions in the industry, loose at least 3/8" to 3/4" of the images. To allow printing of all the captured data, our LiveScan printing solution is able to print the image in an overlapping method (similar to that of ink prints), thus preventing loss of critical fingerprint information. Below are

illustrations of our print card layout compare to that of others in the industry:



COMPETITOR PRINTOUT



OUR PRINTOUT

xiii. The system must meet the FBI CJIS Security Policy regulating Access Control, Identification and Authentication.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Biometrics4ALL offers the Industry's only fully encrypted LiveScan system, providing a world class security infrastructure that exceeds the FBI CJIS Security Policy v5.3.*

As a certified FBI Channeler, our LiveScans and CMS have been approved by the FBI to comply with the latest CJIS v5.3 Security Policy.

Our product protects Personally Identifiable Information (PII) data with the same stringiness as the Criminal History Records Information (CHRI) data. The CJIS v5.3 Security Policy has far less requirements for PII as it does for CHRI. However, we believe that protecting PII data is equally as important (if not more so) as CHRI data. We believe that CJIS will eventually demand that PII data is protected in the same way as CHRI data. At such time, our products will already be fully compliant.

Because our entire solution is protected by 256bit AES encryption, Biometrics4ALL solution does not require special network configurations to achieve a level of security that exceeds the CJIS Security Policy. However, we would be happy to assist in case FDLE is looking for recommendations to achieve the CJIS network requirements (e.g., Intrusion detection appliance, etc.) as we have already been certified by the FBI with our own infrastructure for the FBI Channeling practice.

xiv. The system must have a security system to prevent unauthorized operator access. Password protection must be used and must not leave the system in a "logged on" state for more than thirty minutes if the operator leaves the area. Preference must be given to biometric log-on.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our solutions have a built-in auto logout function that can be configured. We will configure our deployment in FL to have a 30 minute auto logout. Biometrics log-on can be utilized on both iPhone and vehicle Laptop deployments.*

xv. The system must be capable of performing automatic calibrations at programmed intervals and then logging the results of those calibrations. Contractor must list calibration elements.

Response: *Biometrics4ALL has read, understands and complies and with clarification.*

Explanation: *NEC NeoScan 45 Fingerprint Capture Device utilizes the same IBT scanner and does not require or have any calibration features. It is not an optical based scanner with a glass surface. Rather it's a film technology that ignores any dirt or debris. This new technology developed by Integrated Biometrics Technology (IBT) utilizes the electricity emitted from the finger to illuminate the surface film then acquires the image. IBT technology is heavily utilized by the United States Department of Defense over the past few years and is an excellent, field proven, and reliable scanner option.*

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- *Administrators can pull screenshots from a LiveScan at any time.*
- *LiveScans can be remotely upgraded with new software or configurations.*
- *CMS can display online status of all LiveScans it manages.*
- *CMS can push broadcast messages to the LiveScan to inform or instruct operators.*
- *CMS can schedule calendar events to any LiveScans.*

Additionally, remote access protocols such as RDP or VNC can be configured for remote access for additional remote diagnostic purposes.

xvii. Contractor must provide documentation on the system's capability to produce data for management reports showing system usage, operators using the system, calibration, etc.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *LiveScans can produce output data in csv file format for system usage, operator performance, and scanner calibration data for management reports. Biometrics4ALL can also work with FDLE and FL agencies to establish additional data output if desired.*

Our Central Management Server (CMS) has a lot more management reporting features than the LiveScan. Using our CMS web portal, administrators can mine data in the system and create specific reports. Standard performance and transaction detail reports can be automatically emailed to the Reports Contact (established for each LiveScan and each agency) on a set frequency such as daily, weekly, and/or monthly. All these reports are exportable to MS Excel and most reports are available in Excel, CSV, and PDF versions.

The existing reports include:

- *Performance Reports*
  - *Bookings/templates by LiveScan*
  - *Bookings/templates by Operator*
  - *Percentage of Rejections/Resubmissions by LiveScan*
  - *Percentage of Rejections/Resubmissions by Operator*
  - *Average Fingerprint Quality by LiveScan*
  - *Average Fingerprint Quality by Operator*
  - *Percent of sequence or quality criteria overrides by LiveScan*
  - *Percent of sequence or quality criteria overrides by Operator*
  - *Average processing time by LiveScan*
  - *Average processing time by Operator*
- *Status Reports*
  - *Status report by LiveScan (online status and last activity date/time)*
  - *LiveScan environment report (Software version, OS version, LOV version, etc.)*
  - *LiveScan "cached" users and/or local users.*
- *Internal billing report (if charge back is desired)*

Standard data mining filters:

- *Date range*
- *Agency or list of Agencies (multi-select)*
- *LiveScan or list of LiveScans (multi-select)*
- *By Templates (multi-select).*
- *When applicable, by Operator or list of Operators (multi-select).*

C. Usability

i. Must have a user interface designed for ease of use with minimal need for mouse or keyboard, e.g., touch screen features.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *Our Mobile ID Solution when deployed with iPhone does not come equipped with a mouse or keyboard, therefore, all interface designs are specifically made for iPhone touch screen. When deployed on vehicle laptop, our LiveScan software is designed for intuitive use by leveraging the Windows GUI standards, among many other factors. Thousands of users around the world have found our application to be extremely intuitive and easy to use. In fact, our application has gone head-to-head with our closest competitor, and easily won the ease-of-use contest conducted by the customer without the vendor's involvement. Biometrics4ALL received a large contract as result of this contest evaluated by actual law enforcement operators. We believe that FDLE will find that our application is very easy to learn and can be quickly deployed. For each function/purpose, our design team based our GUI style selection on Windows standards, common use, ease-of-use for touchscreens, relevance, visual effect, consistency, configurability, scalability, supportability, trainability, and more.*

Additionally, Biometrics4ALL understands that each operator has his/her own preference for interacting with the scanning process. We allow any and all of the following methods:

- ***Screen Buttons:*** *Our Screen Buttons are larger than the typical application to facilitate the use of touchscreens. The operator may click or press the button on the screen to activate the desired function. These buttons include, but are not limited to: start capture, cancel capture, move to next, snap the photo, etc.*
- ***Keyboard Hotkeys:*** *Our application is designed to operate all major functions only using the keyboard. Many hotkeys have been built for operators with keyboard preference. The application also re-uses hotkeys to perform the same series of functions to reduce operator confusion. For instance, the "S" key is used to initiate the scan sequence, capture the fingerprint image, or snap a photo; the "ESC" key cancels capture, cancel the transaction, and exits most situations; the page down key is used to proceed to the next position, move to the next page, etc.*

ii. Rugged design appropriate for field environments: waterproof, dust-resistant and shock-resistant (must remain intact after a 4 ft. drop to concrete).

Response: *Biometrics4ALL has read, understands and complies with clarification.*

Explanation: *NEC NeoScan 45 has a IP41 rating, which is water tight, dust tight, & corrosion resistant for indoors/outdoors use, which provides a degree of protection against corrosion, windblown dust and rain, splashing water, and hose-directed water; and is undamaged by the formation of ice on the enclosure.*

iii. Fingerprint capture plate must be easily cleaned and disinfected between print capture sessions. Both the capture plate life with regular disinfecting and the procedure for replacing coated prisms, if applicable, must be stated by Contractor.

Response: *Biometrics4ALL has read, understands and complies.*

Explanation: *The scan surface can be easily cleaned and disinfected using commercial cleaners. However, the scan surface does contain a film surface, which can be damaged overtime. This film surface can be replaced, but only by the manufacturer.*