

July 31, 2018

Notice to Potential Proposers

**BULLETIN NUMBER 8A  
REQUEST FOR PROPOSALS 555-SH FOR  
CRIMINAL BOOKING SYSTEM (CBS) SOLUTION**

This Bulletin Number 8A is being issued to notice potential Proposers that Exhibit 16 (Solution Requirements Response) and Exhibit 17 (Statement of Work Response Form) of Appendix D (Required Forms), as revised in Bulletin 8, have been released for Request for Proposals (RFP) 555-SH for Criminal Booking System (CBS) Solution. See attached.

Should you have questions, please contact Contract Analyst Sheri Davis at [srdavis@lasd.org](mailto:srdavis@lasd.org).

**REQUIRED FORMS – EXHIBIT 16 (REVISED-BULLETIN # 8A)**  
**SOLUTION REQUIREMENTS RESPONSE MATRIX**

**INSTRUCTIONS**

Proposer shall provide responses to each Solution Requirement specified on the Solution Requirements Response form in this Exhibit 16 (Solution Requirements Response Matrix) to Appendix D (Required Forms) to the RFP. Proposers shall follow these instructions for completing the Solution Requirements Response form.

The Solution Requirements Response Matrix represents core capabilities that County expects of the Solution. All capabilities are expected by County to be included in the Solution. Column four (4) request the Proposer to indicate how the Proposer and the proposed Solution will meet the County's Solution Requirements. The four (4) response options are: (B) Meets the Requirement out-of-the-box. No Configuration or Development/Programming/Customization required; (C) Requires only Configuration to meet the Requirement; (D) Requires Development/Programming/Customization to meet the Requirement; and (X) Does not currently meet the Requirement. PLEASE INDICATE APPLICABLE RESPONSE.

Proposer is to check the last column "Not Available" if the capability will not be made available as part of the proposed Solution. In the final column "COMMENTS" is where the Proposer will provide a short and concise description of how its Solution is capable/unable/will be able to meet each identified County's Solution Requirement. For any configuration or development, a detailed response is expected, if additional space is necessary, especially when the response requires a diagram, please indicate in the "COMMENTS" column that the response is on a separate sheet. Please be sure to include the number and question with the response on the separate sheet and submit the separate sheets in consecutive order. Further, if a requirement calls for a description of an aspect of the proposed Solution, to the extent applicable, the Proposer shall also incorporate such description into its Business Proposal.

County is aware that some Solution Requirements may be similar, overlap or appear duplicative within the Solution Requirements Response form, as these Requirements are specific to those sections. Please provide a response in each section where such requirement appears. If a Requirement is also included in Appendix B (Minimum Solution Requirements) to the RFP, the Proposer is to clarify how the Proposer shall meet such Requirement by checking the appropriate column.

PLEASE DO NOT ATTEMPT TO MODIFY THIS WORKSHEET. If the Solution Requirements Response Matrix does not meet your formatting style, include the additional information in the COMMENTS section. Again, DO NOT ATTEMPT TO MODIFY THIS WORKSHEET. Sections that have been modified will be treated as non-responsive.

<b>PROPOSER'S RESPONSE</b>	
<b>B</b>	Meets the Requirement out-of-the-box. No Configuration or Development/Programming/Customization required
<b>C</b>	Requires only Configuration to meet the Requirement
<b>D</b>	Requires Development/Programming/Customization to meet the Requirement
<b>X</b>	Does not currently meet the Requirement
<b>COMMENTS</b>	For each Requirement, identify how this Requirement is met. Provide supporting documentation as appropriate.

I have read and understand the instructions (Check the box).

**REQUIRED FORMS – EXHIBIT 16 (REVISED-BULLETIN # 8A)**  
**SOLUTION REQUIREMENTS RESPONSE**

<b>Legend</b>	
<b>M</b> = Mandatory Requirement. Vendor-provided at Final Acceptance.	<b>O</b> = Optional Requirement. Vendor-provided at Final Acceptance (except 'X' responses).
<b>B</b> = Meets the Requirement out-of-the-box. No Configuration or Development/Programming/Customization required.	<b>D</b> = Requires Development / Programming /Customization to meet the Requirement. Development / Programming/Customization is required when the System / Application cannot be configured to meet the business functional and technical requirements. Development requires programming or significant changes to the underlying database. This can include the Development of new application modules specific for the Requirement, and/or Programming changes to the base application requiring a separate program tree that vendor maintains with new base application releases. Vendor pricing for Requirement is included in the total Solution cost.
<b>C</b> = Requires only Configuration to meet the Requirement. Configuration utilizes the table driven or report / screen formatting parameters built into the application itself. The key to Configuration is that when the application is upgraded by the vendor the Configuration parameters are carried forward with the new release and do not need to be reconfigured.	
<b>X</b> = Does not currently meet the Requirement	

<b>Req #</b>	<b>Requirement</b>	<b>M/O</b>	<b>B/C/D/X</b>	<b>Comments - Detailed discussion of how the proposed Solution meets the Requirement</b>
<b><i>1.0 – General Criminal Booking Solution Functions</i></b>				
1.1	The Solution <b>SHALL</b> generate, issue and maintain unique transaction numbers, preferably sequential, for each booking or type of transaction (TOT) as defined by County.	M		
1.2	The Solution <b>SHALL</b> be capable of reserving a large block of sequential booking numbers obtained from and governed by the County's Automated Justice Information System (AJIS), and issue these unique/sequential booking numbers when requested by User.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
1.3	The Solution <b>SHALL</b> be capable of deleting a booking number and its associated data if the booking transaction associated with that booking number is not completed within 30 days and <b>SHALL</b> retain the audit log of the deleted transaction.	M		
1.4	The Solution <b>SHALL</b> , throughout all its functionality, recognize and emphasize the AJIS numbering scheme as County's official booking number.	M		
1.5	The Solution <b>SHALL</b> be capable of ingesting, storing and displaying unique booking transaction numbers generated from County's current Automated Booking System (ABS).	M		
1.6	The Solution <b>SHALL</b> provide an XML web service (i.e. GJXDM/NIEM) which allows external systems (i.e., Records Management System (RMS) from a local agency) to request booking numbers from CBS, as illustrated in 'Booking Number Request Sample Flow Chart' (Attachment G.2) to the Statement of Work (SOW).	M		
1.7	The Solution <b>SHALL</b> be capable of sending data and communicating directly with all interfaces listed in 'System Interfaces' (Exhibit C) to the SOW.	M		
1.8	The Solution <b>SHALL</b> provide a method of receiving requests for booking numbers with or without a fingerprint.	M		
1.9	The Solution <b>SHALL</b> monitor all booking transactions that do not have an accompanying fingerprint, and provide detailed audit reports.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
1.10	The Solution <b>SHALL</b> be capable of capturing the Subject's signature at time of booking by utilizing a digital signature pad on the livescan and submitting that signature in the National Institute of Standards and Technology (NIST) file as a Type-8 record.	M		
1.11	The Solution <b>SHALL</b> verify the fingerprint captured during the booking number request, is from the same Subject, when the booking record is completed, edited or continued on any Livescan device within the County.	M		
1.12	The Solution's Livescan device, excluding Quick-ID devices, <b>SHALL</b> be housed in a ruggedized standup system with adjustable height. Ruggedized means a cabinet-type system that protects monitors, scanners, keyboards, uninterrupted power supply (UPS) and any other component of the system Solution. (Note: Excludes Printers and cameras)	M		
1.13	The Solution <b>SHALL</b> allow for fingerprints to be taken at the Livescan device and printed locally, with no booking number issued and no submission made to County, when appropriate, for non-reportable charges at the discretion of the County or reporting agency.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
1.14	The Solution <b>SHALL</b> include a complete and valid standards-based record in conformance with the most current FBI Electronic Biometrics Transmission Specification (EBTS) <a href="https://www.fbibiospecs.cjis.gov/EBTS/Approved">https://www.fbibiospecs.cjis.gov/EBTS/Approved</a> , as well as the more stringent Cal-DOJ specifications (i.e., State charge tables) and County specifications (e.g., 1,000 ppi print capture from scanner, mugshot required for every booking).	M		
1.15	The Solution <b>SHALL</b> have edit functionality which allows Users to correct errors and resubmit records. It <b>SHALL</b> permit the opening and editing of erroneous records. Once a record has been edited, it <b>SHALL</b> pass the same validations as would a new record.	M		
1.16	The uninterrupted power supply (UPS) software <b>SHALL</b> be capable of sending status emails to the LACRIS Help Desk when power issues arise.	M		
1.17	The UPS software <b>SHALL</b> be capable of notifying the User of power issues informing them to save their work and shut down the Livescan device.	M		
1.18	The Solution <b>SHALL</b> validate defined data entry fields for compliance, as delineated by County, Cal-DOJ, FBI/Criminal Justice Information Services (CJIS) Division, or other agency specifications.	M		
1.19	The Solution <b>SHALL</b> ensure each mandatory field is present before submitting the transaction. Mandatory fields are governed by specifications.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
1.20	<p>The Solution <b>SHALL</b> adhere to tabled data entry fields for all data where a tabled dataset is available and provided. Depending on the tabled data entry field, the Solution <b>SHALL</b>:</p> <ul style="list-style-type: none"> <li>• Default the field value, based on the User's configuration, with the option for User to override.</li> <li>• Provide a look-up table, such as a drop-down field, for the User to select the correct value from, but also allow the User to enter the field manually with predictive table values suggested.</li> </ul>	M		
1.21	<p>The Solution <b>SHALL</b> be configurable to include additional tables and fields, with or without drop down menus, when required by County to conform to changing business practices.</p>	M		
1.22	<p>The Solution <b>SHALL</b> authenticate each booking record when:</p> <ul style="list-style-type: none"> <li>• Passing all the Cal-DOJ NIST and Los Angeles County specific NIST validations;</li> <li>• Bundling the booking record as an EBTS-compliant package consisting of all of the required records and types, then;</li> <li>• Submitting the package via interface to the Multimodal Biometric Identification System (MBIS).</li> </ul>	M		
1.23	<p>The Solution <b>SHALL</b> provide the capability to convert an existing record, with prints, into any other transaction type submission (e.g., converting an IDN TOT to a CRM/REG/APP/DNS or a CRM to a REG/APP/DNS), as required by the County.</p>	M		

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1.24	The Solution <b>SHALL</b> have passive communication capability (i.e. chat window) for the LACRIS Help Desk to communicate with the User.	M		
1.25	The Solution <b>SHALL</b> have the ability to import a NIST file and print a copy of the booking slip and finger/palm print cards.	M		
1.26	The Solution <b>SHALL</b> store all transaction files for each local Livescan device, of only the transaction files currently retained on that device. Transaction files stored on the local livescan can be printed even if network connectivity to the central server is not available.	M		
1.27	The Solution <b>SHALL</b> store transaction files from every Livescan device within the central server (including a backup), for a County-designated duration.	M		
1.28	The Solution <b>SHALL</b> be capable of utilizing permission-based context menus for administrative tasks to include, but not be limited to, opening the data directory folder of a highlighted transaction record selected on the inventory screen, deletion of highlighted transaction records, and export of highlighted transaction records to a NIST-compliant file.	M		
1.29	The Solution's Livescan PCs <b>SHALL</b> support Microsoft Windows 10 Enterprise Edition, and Windows Server 2010 and above.	M		
1.30	The Solution <b>SHALL</b> support Microsoft Windows 10 on all Participating Agency-owned PC workstations.	M		
1.31	The Solution <b>SHALL</b> support Microsoft Server Manager Windows 10.	M		

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1.32	The Solution <b>SHALL</b> adhere to all Federal and State criminal reporting requirements (i.e., FBI's National Incident-Based Reporting System (NIBRS)).	M		
1.33	The Solution's Livescan device and its cameras and printers <b>SHOULD</b> be capable of being remotely accessed, configured, and supported over the County's Virtual Network Computing (VNC) network or similar.	O		
1.34	The Solution <b>SHOULD</b> support the following Network protocols: TCP/IP, NTP, Telnet, WiFi, SSH, SMB, FTP, HTTP, HTTPS, POP, SFTP, SSL, TLS, and Web Services, (XML, GJXDM/NIEM and SQL).	O		
1.35	The Solution <b>SHOULD</b> automate inventory tracking of all equipment provided by vendor.	O		
1.36	The Solution <b>SHOULD</b> allow the User to enter comments and/or table-driven explanation values regarding poor quality or missing image data at the conclusion of the record.	O		
1.37	As part of the web service transaction request for booking numbers, the Solution <b>SHOULD be</b> capable of receiving a fingerprint from the Subject being booked prior to the system issuing the booking number.	O		
1.37	The Solution <b>SHOULD</b> provide digital signature integration.	O		
1.38	The Solution <b>SHOULD</b> display User alerts with consistent functionality and language (i.e., "Are You Sure You Want to Exit? Y/N")	O		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
<b>2.0 – Specifications – User Security and Functionality</b>				
2.1	The Solution <b>SHALL</b> include a single User log-in for all CBS application modules, including instances when a User performs business functions for one or more Participating Agencies (i.e., LACRIS Help Desk staff).	M		
2.2	All components of the Solution <b>SHALL</b> utilize this centralized User security group roles. Explain how your Solution will function in an offline mode where there is no connectivity to the central User database.	M		
2.3	The User security group roles <b>SHALL</b> be maintained in the centralized database, with a local copy pushed out to each Livescan device.	M		
2.4	The proposed Solution <b>SHALL</b> support two logon protocols, Cal-DOJ Justice Identity Manager (JIM) and Domain OS logon using a County-designated Active Directory Federation Services (ADFS) authentication.	M		
2.5	User account information <b>SHALL</b> be stored on the central User database as well as locally on each device that the User has been granted permission to.	M		
2.6	The Solution <b>SHALL</b> allow the CBS System Administrator to select which logon protocol each User shall follow.	M		
2.7	The Solution <b>SHALL</b> allow Users to be assigned to multiple security groups.	M		
2.8	The Solution <b>SHALL</b> apply the highest permission levels of any group that a User belongs to, should that User belong to multiple groups.	M		

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2.9	The Solution's security groups and rules <b>SHALL</b> have the capability of decentralized administration. Examples: a lower level Administrator at a local agency cannot create an account equal in security rights to their own. A local Administrator can only affect those Users within their agency.	M		
2.10	The Solution <b>SHALL</b> lockdown the Livescan device's OS for general Users but allow full access for Administrators.	M		
2.11	The Solution <b>SHALL</b> support automatic User account: <ul style="list-style-type: none"> <li>• Lock-out, after a configurable number of days of inactivity</li> <li>• Unlock after a two-factor authentication, or by a system Administrator</li> </ul>	M		
2.12	The Solution <b>SHALL</b> control excessive image quality error overrides at the User level, with configurable warning and audit report capabilities.	M		

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2.13	<p>The Solution <b>SHALL</b> contain the below functionality and provide administrative notifications (local and/or LACRIS Help Desk) by e-mail. Thresholds to be set by Administrators. Notifications to include but not be limited to:</p> <ul style="list-style-type: none"> <li>• User errors</li> <li>• Too many failed login attempts</li> <li>• Too many image quality overrides</li> <li>• Too many match error (from flats or rolls) overrides</li> <li>• User locked out notification</li> <li>• User advised of eminent lockout if errors persist</li> </ul>	M		
2.14	The Solution's paperless functionality in Section 16.0 below <b>SHOULD</b> have role-based security and audit-tracking.	O		
<b>3.0 – Specifications – Solution Database</b>				
3.1	The Solution's database <b>SHALL</b> be configurable to include additional tables and fields, as required by County business processes.	M		
3.2	The Solution <b>SHALL</b> be able to receive table updates including validations (i.e., charge codes) and/or accept and utilize tables obtained from an external system or source (i.e., table file in a shared directory used by multiple applications) and immediately apply the new table set and validation rules.	M		

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3.3	The Solution <b>SHALL</b> keep a database log of all transactions saved and/or submitted via interface. The log will contain, at minimum: <ul style="list-style-type: none"> <li>• Date/time of transmission</li> <li>• Transaction number</li> <li>• Booking number</li> <li>• User actions with timestamps</li> <li>• System actions with timestamps</li> <li>• Name, gender, race and date of birth of the Subject fingerprint.</li> </ul>	M		
3.4	The Solution's database log <b>SHALL</b> be maintained for a configurable period of time, no less than three (3) years, as specified by County.	M		
3.5	The Solution <b>SHOULD</b> have database query functionality and activity logging.	O		
<b>4.0 – System Software and Functionality</b>				
4.1	The Solution <b>SHALL</b> include 3 <sup>rd</sup> party virus protection software as defined by County. (Currently McAfee Enterprise AntiVirus™).	M		
4.2	The Solution <b>SHALL</b> support and be capable of e-mail (sending and receiving) messaging.	M		
4.3	The Solution <b>SHALL</b> have its own means of communication, such as an email system, to support responses in email format (i.e., Simple Mail Transfer Protocol or SMTP) with attachments in EFT, SRE, plain text, etc. formats	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
4.4	The Solution's PC workstations and servers located at the locations <b>SHALL</b> have McAfee endpoint security software installed and running in the background. LACRIS will provide the McAfee endpoint security software as part of its enterprise site license.	M		
4.5	The Solution's PC workstations and servers located at the locations <b>SHOULD</b> have FireEye HX endpoint software installed and running in the background. LACRIS will provide the FireEye HX endpoint software as part of its site license.	O		
<b>5.0 – Reports – Centralized and Local</b>				
5.1	The reports <b>SHALL</b> be accessible utilizing the current and two most recent versions of an internet browser, IE, Chrome, Firefox, etc.	M		
5.2	All Users <b>SHALL</b> be authenticated prior to accessing the reports.	M		
5.3	The Solution <b>SHALL</b> ensure access to available reports is based on User's permissions.	M		
5.4	The Solution <b>SHALL</b> provide a list and description of the default reports.	M		
5.5	The Solution <b>SHALL</b> provide for ad hoc reporting with all fields available.	M		
5.6	The Solution <b>SHALL</b> provide a report building tool, including 10 concurrent software licenses, and necessary training.	M		
5.7	The Solution <b>SHALL</b> provide a web-based administration and reporting module.	M		
5.8	The Solution <b>SHALL</b> have a three (3) year retention for all booking forms.	M		

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5.9	The Solution <b>SHALL</b> restrict data in a report to the User's specific permissions and/or groups that the User has rights to, (i.e., reports containing data only from their Law Enforcement [LE] agency).	M		
5.10	The Solution <b>SHOULD</b> remember report parameter settings run previously by that User, or allow a User to save a report design with those parameter settings.	O		
5.11	The Solution's report writer <b>SHOULD</b> include, at minimum, the following date parameters: <ul style="list-style-type: none"> <li>• Begin date, or begin date/time</li> <li>• End date, or end date/time</li> <li>• Prior time periods (e.g., prior day, month, quarter, six months, year)</li> </ul>	O		
5.12	The Solution <b>SHOULD</b> store documents in PDF format with digital signature option.	O		
5.13	The Solution <b>SHOULD</b> support robust reporting capabilities to include, but not limited to, granular ad hoc reports, statistics, trend reporting, leaderboard statistics, (i.e., Users at a location generating best print quality), etc.	O		
5.14	The Solution <b>SHOULD</b> apply database indexing to generate reports within 1 minute.	O		
5.15	The Solution <b>SHOULD</b> export reports containing columnar and statistical data in multiple file formats (e.g., PDF, Excel, Word, CSV, and XML).	O		
5.16	When exporting reports in Excel format, the Solution <b>SHOULD</b> provide an Excel worksheet containing only the columnar header titles and	O		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
	data, where all page headers and footers are stripped from the resultant worksheet.			
<b>6.0 – System Audit Capability</b>				
6.1	The Solution <b>SHALL</b> provide a visual auditing tool to enhance Administrator’s ability to identify issues with submitted images, both fingerprints and photos.	M		
6.2	The Solution’s audited data <b>SHALL</b> be retained for a minimum of three (3) years.	M		
6.3	The Solution <b>SHALL</b> allow for external interface transactions to perform complete and partial record sealing and expunging in CBS. (i.e., MBIS can send a notification to CBS, and CBS will seal the record so Users cannot view the booking forms in CBS).	M		
6.4	The Solution’s audit tools <b>SHALL</b> allow Administrator to send warning notifications to a User, lock out a User, and restrict a User’s permissions.	M		
6.5	The Solution’s audit tools <b>SHOULD</b> be web-based with thumbnail type sized images from submitted records.	O		
6.6	The Solution’s audit tools <b>SHOULD</b> allow for reporting function and <b>SHOULD</b> include ability to email PDF (or MHT) files from within the audit tool.	O		
6.7	The Solution <b>SHOULD</b> provide a web-based comprehensive auditing module (including visual/image representations with the transactions).	O		

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6.8	The Solution's audited data <b>SHOULD</b> be capable of being filtered to include the entire system, specific agency, specific site, specific Livescan device, specific User, specific date range, and specific data field changes.	O		
6.9	The Solution <b>SHOULD</b> allow the Administrator to navigate the audit data and query/change parameters (i.e., clicking on hyperlinks).	O		
<b>7.0 – System Dashboard</b>				
7.1	The Solution <b>SHOULD</b> provide a single scrolling screen, real-time Graphical User Interface (GUI), showing a graphical presentation of the current status (snapshot) and historical trends of the system's key performance indicators to enable instantaneous and informed decisions to be made at a glance.	O		
7.2	The dashboard <b>SHOULD</b> be web-based and linked to the Solution's database which allows the information to be constantly updated.	O		
7.3	The dashboard <b>SHOULD</b> be capable of filtering by the following attributes: <ul style="list-style-type: none"> <li>• Entire system (all Livescan devices)</li> <li>• Specific agency</li> <li>• Specific site</li> <li>• Date range (e.g., last 24 hours, prior week, prior month)</li> </ul>	O		

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7.4	Dashboard reporting data <b>SHOULD</b> include, but not be limited to: <ul style="list-style-type: none"> <li>• Total number of submitted records</li> <li>• Daily total of submitted records</li> <li>• Hourly trend totals of submitted records</li> <li>• Average record submission times</li> <li>• Average record completion times</li> <li>• Complete system availability indicators</li> <li>• Total number of active Users</li> <li>• Top 10 most used Livescan devices (for LACRIS Help Desk)</li> </ul>	O		
<b>8.0 – Types of Transactions (TOTs)</b>				
8.1	The Solution <b>SHALL</b> be capable of submitting the following TOTs to the County’s MBIS via interface: <ul style="list-style-type: none"> <li>• All California State TOTs</li> <li>• State and County TOT’s currently used in Los Angeles County, including but not limited to:               <ul style="list-style-type: none"> <li>➤ ID2</li> <li>➤ ID4</li> <li>➤ Release</li> <li>➤ Quick-ID</li> <li>➤ Pre-ID</li> <li>➤ Local Applicant Submission</li> <li>➤ Update</li> <li>➤ Test Record Submission</li> <li>➤ Registrant</li> <li>➤ DNS (option 2)</li> </ul> </li> </ul>	M		

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8.2	<p>The Solution <b>SHALL</b> be capable of a DNA submission to Cal-DOJ for criminal (CRM) transaction types, as follows:</p> <ul style="list-style-type: none"> <li>• CRM TOT</li> <li>• As a stand-alone transaction</li> <li>• As a converted transaction, modified to a CRM TOT</li> </ul>	M		
8.3	<p>The Solution <b>SHALL</b> be able to receive, via interface response notifications from external systems (e.g., Cal-DOJ, FBI and MBIS), process the notification within CBS, and print for booking record.</p>	M		
8.4	<p>The Solution <b>SHOULD</b> be capable of capturing local rapid-DNA submissions by booking subject, where the unique DNA sample's ID number is read via a barcode reader and/or RFID (Radio Frequency ID) reader on the Livescan device.</p>	O		
<b>9.0 – Quick-ID Functionality</b>				
9.1	<p>The Quick-ID Solution <b>SHALL</b> include (2) desktop devices in a configuration described in Section 13.0 below, capable of submitting a hand/fingerprint(s) and an iris capture to the MBIS for identification verification, using the QID Type of Transaction (TOT).</p>	M		
9.2	<p>The Quick-ID Solution <b>SHALL</b> be able to receive, process, and print response notifications from MBIS.</p>	M		
9.3	<p>The Quick-ID Solution <b>SHALL</b> be able to receive, process, and print a booking photo from the County's Digital Mugshot System (DMS) or MBIS, based on the submitted biometric match (e.g. State, FBI or County identifiers).</p>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
<b>10.0 –Hardware</b>				
10.1	The Solution equipment hardware <b>SHALL</b> be new (unused) and current model.	M		
10.2	The Livescan equipment <b>SHALL</b> be supplied with all components specified in Sections 12, 13 and 14 below, delivered complete and functionally ready to operate.	M		
10.3	All equipment <b>SHALL</b> work on standard 120 volt circuit and be Underwriters Laboratory (UL) approved; maximum 20 amps.	M		
10.4	The Livescan equipment <b>SHALL</b> include an uninterrupted power supply (UPS) unit and a power conditioner, including surge suppression rated at 2,500 amps, which will provide power to each Livescan device (may exclude camera or printer) for a minimum of 15 minutes.	M		
10.5	Each Livescan device <b>SHALL</b> have all the necessary accessories (e.g., power cord, cabling) to make the device fully functional at installation.	M		
10.6	The Livescan device and its peripherals <b>SHALL</b> utilize existing sites' current configuration without physical modification to the facilities (i.e. new conduit, moving power, moving light bar, installation of a pedestal).	M		
10.7	Each Livescan device <b>SHALL</b> have its own Cisco managed network switch that can be monitored by Sheriff's Data Network (such as model WS-C2960C-8PC-L or agreed upon by Sheriff's Data Network).	M		
10.8	The software on the Livescan device <b>SHALL</b> be the same software that CaL-DOJ Certified	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
<b>11.0 – Hardware – General Livescan Devices (Quantity: 163)</b>				
11.1	<p>The Solution <b>SHALL</b> include the following attributes for <b>163 Livescan Devices</b>:</p> <ul style="list-style-type: none"> <li>• PC</li> <li>• Monitor-24” Touch Screen Flat Panel (maximum) with 12” display height (minimum)</li> <li>• Full-function, QWERTY wired keyboard with a numeric pad, separate function keys, and navigation keys.</li> <li>• Webcam, minimum 2.0 megapixels resolution, either built in the Monitor or wired-type and mounted to the Monitor (for face biometric login authentication)</li> <li>• Wired Optical Mouse</li> <li>• Wired 2D barcode reader</li> <li>• Wired magnetic stripe card reader</li> <li>• Wired Digital Signature Pad</li> <li>• 1000ppi Hand/finger capture scanner(s)</li> <li>• Iris Camera, mounted in clear view (Requirement #18.0)</li> <li>• A locking mechanism to prevent User from manually turning off Livescan device</li> <li>• Foot pedals located on both front corners of the cabinet (to allow User access regardless of left or right print capture positioning)</li> <li>• Casters with locking mechanism</li> </ul> <p>Uninterrupted Power Supply and monitoring software (Requirements #s 1.16, 1.17, and 10.4)</p>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
11.2	The Solution <b>SHALL</b> include at least (1) one additional method other than foot pedals (e.g., button or switch) to activate scanners.	M		
11.3	The Solution's general Livescan device <b>SHALL</b> be housed in a ruggedized cabinet with the following maximum dimensions: <ul style="list-style-type: none"> <li>• 72 inches height (including all peripherals)</li> <li>• 32 inches width</li> <li>• 30 inches depth</li> </ul>	M		
11.4	The Solution <b>SHOULD</b> include a microphone for Subject's voice capture ( <i>if proposer includes Solution functionality in Requirement 25.34</i> ).	O		
11.5	The Solution's Livescan device <b>SHOULD</b> incorporate flat and roll-type captures into one scanner.	O		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
<b>12.0 – Hardware – Coroner Livescan Devices (Quantity: 2)</b>				
12.1	<p>The Solution <b>SHALL</b> include the following attributes for <b>2 Coroner Devices</b>:</p> <ul style="list-style-type: none"> <li>• PC</li> <li>• Monitor-24” Touch Screen Flat Panel (maximum) with 12” display height (minimum)</li> <li>• Full-function, QWERTY wired keyboard with a numeric pad, separate function keys, and navigation keys.</li> <li>• Webcam, minimum 2.0 megapixels resolution, either built in the Monitor or wired-type and mounted to the Monitor (for face biometric login authentication)</li> <li>• Wired Optical Mouse</li> <li>• Wired 2D barcode reader</li> <li>• Wired magnetic stripe card reader</li> <li>• Wired Digital Signature Pad</li> <li>• Minimum 500ppi Hand/finger capture scanner(s) adapted to the Coroner’s unique business need</li> <li>• A locking mechanism to prevent User from manually turning off Livescan device</li> <li>• Foot pedals located on both front corners of the cabinet to allow User access regardless of left or right print capture positioning</li> <li>• Casters with locking mechanism</li> <li>• Uninterrupted Power Supply (Requirements #s 1.16, 1.17, and 10.4)</li> </ul>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
12.2	Coroner's fingerprint capture equipment <b>SHALL</b> be adapted and configured to Coroner's unique business need.	M		
12.3	<p>The Solution's coroner Livescan device <b>SHALL</b> be housed in a ruggedized cabinet with the following maximum dimensions:</p> <ul style="list-style-type: none"> <li>• 72 inches height (including all peripherals)</li> <li>• 32 inches width</li> <li>• 30 inches depth</li> </ul>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
<b>13.0 – Hardware – Quick-ID Devices (Quantity: 2)</b>				
13.1	<p>The Solution’s Quick-ID device <b>SHALL</b> include the following attributes (Quantity 2):</p> <ul style="list-style-type: none"> <li>• PC</li> <li>• Monitor-24” Touch Screen Flat Panel (maximum) with 12” display height (minimum)</li> <li>• Full-function, QWERTY wired keyboard with a numeric pad, separate function keys, and navigation keys.</li> <li>• Webcam, minimum 2.0 megapixels resolution, either built in the Monitor or wired-type and mounted to the Monitor (for face biometric login authentication)</li> <li>• Wired Optical Mouse</li> <li>• Wired 2D barcode reader</li> <li>• Wired Digital Signature Pad</li> <li>• Minimum 500ppi Hand/finger capture scanner(s)</li> <li>• Iris camera (Requirement #18.0)</li> <li>• 1 Wired foot pedal with capture and save capability</li> <li>• Uninterrupted Power Supply (Requirements #s 1.16, 1.17, and 10.4).</li> </ul>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
<b>14.0 – Hardware – Central Server Configuration</b>				
14.1	<p>The Solution’s Central Server Configuration <b>SHALL</b>:</p> <ul style="list-style-type: none"> <li>• Be contained in a Contractor-provided single server rack, with redundant power sources provided by LASD’s data center</li> <li>• Include all the servers and internal networking necessary for the entire CBS Solution functionality, installed in the rack</li> <li>• Have redundant networking capabilities to the Department’s PAC50 Network</li> <li>• Include two communication protocols to the Contractor’s second data center site, as follows: <ul style="list-style-type: none"> <li>a. Contractor-provided direct point-to-point communication line</li> <li>b. VPN connection via the internet (as backup)</li> </ul> </li> </ul>			
<b>15.0 – Printer Functionality</b>				
15.1	<p>The Solution <b>SHALL</b> be able to print within an agency and to the following network-type printers, including existing agency printers currently on hand (Refer to Section 16.0 for printer requirements).</p> <ul style="list-style-type: none"> <li>• FBI certified laser printer</li> <li>• Color laser printer</li> <li>• Non-FBI certified laser printer</li> <li>• Wristband printer</li> <li>• Paperless printer Solution</li> </ul>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
15.2	The Solution <b>SHALL</b> have the capability of printing to multiple printers and be configurable at any time by County, to print only those response messages, booking forms, Subject wrist bands, etc. that are requested by each agency or location.	M		
15.3	The printers <b>SHALL</b> have the capability of receiving print jobs from multiple Livescan or biometric capture devices.	M		
15.4	The Solution <b>SHALL</b> be capable of watermarking any image prior to packaging and submitting through the central server. Watermarking any image is configurable by Administrators based on permissions.	M		
15.5	The printers <b>SHOULD</b> have the capability to print a single job simultaneously to multiple printers, configurable by system Administrator.	O		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
<b>16.0 – Printers – Color Laser (Quantity: 144)</b>				
16.1	<p>The Solution’s color laser printer <b>SHALL</b> have, at minimum, the following attributes:</p> <ul style="list-style-type: none"> <li>• 10/100/1000BaseTX Ethernet and USB 2.0 and/or above connections</li> <li>• Print speed supporting up to 22 ppm or higher</li> <li>• Resolution of 600 by 600 dpi</li> <li>• 40,000 page monthly duty cycle (minimum)</li> <li>• Duplex printing capable, automatic 2-sided <ul style="list-style-type: none"> <li>i) Tray 1: (Multipurpose tray): Custom sizes: 3 x 5 in. to 8.5 x 14 in. (76.2 x 127 mm to 216 x 356 mm); capacity 150 pages minimum</li> <li>ii) Tray 2: (optional) Custom sizes: 5.8 x 8.3 in. to 8.5 x 14 in. (148 x 210 mm to 216 x 356 mm); capacity 500 pages</li> <li>iii) Manual feed function (optional)</li> </ul> </li> <li>• Toner capacity yield of at least 6,000 sheet</li> </ul>	M		
<b>17.0 – Paperless Storage/Print Functionality on Demand</b>				
17.1	<p>The Solution <b>SHALL</b> be capable of storing electronic documents and be accessible through a web service, both within the local law enforcement agency and the central site as a central repository. An agency can select and print any of the electronic documents received by the Solution’s Livescan device assigned to their agency, to any of that agency’s printer(s).</p>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
17.2	The printerless Solution <b>SHALL</b> be capable of different output formats, including PDF, MHT, TIFF, PNG, and JPEG. It <b>SHALL</b> also support email capability.	M		
17.3	The central repository <b>SHALL</b> retain record documents indefinitely or until sealed or expunged.	M		
17.4	The document repository on each Livescan device <b>SHALL</b> be retained for as long as the corresponding record is available on that device.	M		
<b>18.0 – MugShot Camera (Quantity: 139)</b>				
18.1	The camera <b>SHALL</b> have a minimum of 10 Megapixels and comparable to a 1/4-Type CCD Sensor, or better.	M		
18.2	Image quality <b>SHALL</b> meet or exceed the NIST Best Practice Recommendations for the Capture of mugshots <a href="http://www.nist.gov/itl/iad/ig/ansi_standard.cfm">http://www.nist.gov/itl/iad/ig/ansi_standard.cfm</a>	M		
18.3	The camera <b>SHALL</b> have livescan Solution software-controlled Digital SLR, where the software controls the camera’s zoom, photo capture, and power management.	M		
18.4	The Solution <b>SHALL</b> be capable of taking a whole single image and allows the User to manually crop multiple scars, marks and tattoos (SMTs) with a roping type software tool and further allow close cropping using an intuitive software design.	M		
18.5	The camera <b>SHALL</b> have auto face-finding capability either through hardware or software Solution.	M		
18.6	The Solution <b>SHALL</b> support auto-sizing for front and profile photos with User override capability configured by system Administrator.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
18.7	The Solution <b>SHALL</b> support the capturing of up to 99 SMTs per criminal transaction.	M		
18.8	The Solution <b>SHALL</b> require the User at the Livescan device to capture SMT photos in instances where a booking record was initiated elsewhere (i.e., agency RMS) indicated that an SMT exists on the Subject.	M		
18.9	The User <b>SHALL</b> be able to override the initial descriptions and/or SMT location based on policy (ies) if the record was initially started elsewhere (i.e. agency RMS).	M		
18.10	The camera <b>SHALL</b> be capable of feeding an image to, and be controlled from, multiple Livescans.	M		
18.11	Mugshot image quality (i.e, Subject’s sizing in photo) at all sites <b>SHALL</b> remain consistent throughout the County, regardless of the Livescan device setup and location, identified in ‘Equipment Locations & Inventory’ (Exhibit D) to the SOW. Most sites utilize a ceiling mounted three (3) point lighting system, as illustrated in ‘Sample Equipment Setup Diagram’ (Attachment G.1) to the SOW.	M		
18.12	All mugshot camera installations <b>SHALL</b> be hard-wired and able to utilize existing sites’ footprint without physical modification to the facilities (i.e. new conduit, moving power, moving light bar, installation of a pedestal). Using ‘Sample Equipment Setup Diagram’ (Attachment G.1) to the SOW as the standard location configuration, describe how your mugshot quality component will be integrated at a site.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
18.13	The camera <b>SHOULD</b> be either an IP camera or Digital SLR camera with pan, tilt and zoom capabilities.	O		
18.14	The Solution Administrators <b>SHOULD</b> be able to check mugshot calibration remotely; preferably using VNCTM or similar.	O		
18.15	If the camera has video capability it <b>SHOULD</b> support a minimum of 720H x 480W resolution.	O		
<b>19.0 – Iris Camera (Quantity: 163)</b>				
19.1	The Iris Type 17 Transaction within the Solution, <b>SHALL</b> conform to the most current “Technical Specifications Document for the Iris Pilot (IP) Project” as specified by the FBI. <a href="https://www.fbibiospecs.cjis.gov/Document/Get?fileName=Iris_Pilot_Technical_Specification_DRAFT-v2-6-8.pdf">https://www.fbibiospecs.cjis.gov/Document/Get?fileName=Iris_Pilot_Technical_Specification_DRAFT-v2-6-8.pdf</a>	M		
19.2	The Iris camera <b>SHALL</b> be securely attached to the Solution’s cabinet or with a locking device (i.e. security cable) for positioning the camera forward, with vendor-provided interconnection wiring/cabling from CPU to camera	M		
19.3	The Iris camera <b>SHALL</b> capture both eyes simultaneously on the first capture, allow individual captures after alerting User when the original capture quality is poor, and/or override if necessary (i.e., artificial eye).	M		
19.4	The Solution <b>SHOULD</b> support a web services call to check if a verified suspect’s iris has already been captured. This web service shall be able to query both the local MBIS. If an iris is already on file, the software will automatically bypass the iris capture process.	O		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
19.5	The Solution <b>SHOULD</b> display an intuitive GUI to allow the User to override poor quality iris captures with a drop down menu selection tab.	O		
19.6	The Solution <b>SHOULD</b> be capable of simultaneously capturing a photo of the Subject's mugshot and iris capture, to positively validate it's the same Subject and provide data integrity.	O		
19.7	The Solution <b>SHOULD</b> allow for the full response data from the FBI, via the Cal-DOJ interface, regarding iris searches, to include but not limited to, outstanding wants/warrants and caution & medical codes – this information <b>SHOULD</b> be prominently displayed for operators.	O		
<b>20.0 – Connectivity</b>				
20.1	The Solution <b>SHALL</b> support network connectivity of 10Base-T (RJ-45) TCP/IP, UDP, SMTP.	M		
20.2	The Solution <b>SHALL</b> have a real-time interface to the County's MBIS using a County network connection. Interfaces include, but are not limited to FTP, SMTP, Web Services, SFTP, etc.	M		
20.3	The Solution <b>SHOULD</b> be capable of utilizing Firewire™ or IEEE 1394 connectivity technology.	O		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
<b>21.0 – Fingerprint Images – includes all fingerprint images captured</b>				
21.1	The Solution <b>SHALL</b> support 1000ppi which is required for all fingerprint images captured in Section 12 above ‘General Livescan Devices,’ including: <ul style="list-style-type: none"> <li>• Individually rolled</li> <li>• 4-Finger flats</li> <li>• Palm print and Writer’s palm (describe optics), including: <ol style="list-style-type: none"> <li>i. Upper / Lower</li> <li>ii. Whole Hand</li> <li>iii. Writer’s Edge</li> </ol> </li> </ul>	M		
21.2	The Solution <b>SHALL</b> support 1000ppi using JPEG 2000 15:1 Compression and is backward compatible to 500 WSQ.	M		
21.3	The Solution <b>SHALL</b> be in compliance with “Profile for 1000ppi Fingerprint Compression” Version 1.1 <a href="https://www.fbibiospecs.cjis.gov/Document/Get?fileName=J2K1000.pdf">https://www.fbibiospecs.cjis.gov/Document/Get?fileName=J2K1000.pdf</a>	M		
<b>22.0 – Fingerprint Image Capture</b>				
22.1	If the Solution optics do not capture the whole palm (with one pass), it <b>SHALL</b> include all images that are applicable to that Solution’s device (rolls, flats, upper palm, lower palm, inter-digital, and writer’s edge).	M		
22.2	The Solution <b>SHALL</b> support 4-finger flat to roll comparison (i.e., detection of fingers rolled out of sequence).	M		
22.3	The Solution <b>SHALL</b> be within 99.5% match accuracy.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
22.4	The Solution <b>SHALL</b> support 4-finger flat to match against all captured flats and alert the User if there is not a match.	M		
22.5	The Solution <b>SHALL</b> be configurable to allow the “out of sequence” finger to be saved.	M		
22.6	The Solution <b>SHALL</b> provide a side-by-side view of two or more images if the image already exists, with scoring to allow the User to decide which image to save.	M		
22.7	The Solution <b>SHALL</b> provide way of annotating the image when a capture cannot occur or is an exception (e.g., scarred, amputation). Annotation can occur either before or after capture.	M		
22.8	If the Solution optics do capture the whole palm (with one pass), it <b>SHOULD</b> include all images that are applicable to that Solution’s device (rolls, flats, whole hand, and writer’s edge.)	O		
22.9	The Solution <b>SHOULD</b> be capable of a single-pass 8” palm capture.	O		
22.10	At the time of capturing the whole hand and/or upper palm, the Solution <b>SHOULD</b> also capture and extract the four (4) finger flat images, in lieu of performing singular flat image capture.	O		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
<b>23.0 – Image Capture Times</b>				
23.1	The Solution <b>SHALL</b> provide capture times as listed below. Capture timing will be from activation of foot pedal (button, or other type of switch) or if auto capture from acceptance of last image captured until the quality check is done and displayed on screen: <ul style="list-style-type: none"> <li>• Flat single finger - 2 seconds</li> <li>• Rolled images - 3 seconds</li> <li>• Upper Palm - 3 seconds</li> <li>• Lower Palm – 3 seconds</li> </ul>	M		
23.2	The Solution <b>SHALL</b> provide capture times, as listed below. Capture timing will be from activation of foot pedal (button, or other type of switch) to support upper palm and the four (4) finger flat images, and display on the screen: <ul style="list-style-type: none"> <li>• Upper Palm - 3 seconds</li> <li>• Whole hand - 6 seconds</li> </ul>	M		
<b>24.0 – Fingerprint Image Quality Override</b>				
24.1	The Solution <b>SHALL</b> check every image capture for quality.	M		
24.2	The Solution <b>SHALL</b> allow the User to override and accept what the system determines to be a poor image, and log this action.	M		
24.3	The Solution <b>SHALL</b> be configurable to force the User to try and obtain a better quality image by a configurable number of times.	M		
24.4	When the User’s statistics drop below a configurable acceptable level, the Solution <b>SHALL</b> restrict the User’s account.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
24.5	The User's access <b>SHALL</b> be turned off when their statistics fall below a configured acceptable level.	M		
24.6	The Solution <b>SHALL</b> allow the User to save the best print of all re-rolled prints.	M		
24.7	The Solution <b>SHALL</b> track each User's image quality results.	M		
24.8	If the proposed Solution captures the whole palm in a single pass, the system <b>SHOULD</b> check upper palm and lower palm separately for quality.	O		
<b>25.0 – User and Administrator Calibration Checks</b>				
25.1	If capture scanners are not self-calibrating, the Solution <b>SHALL</b> allow Users to check and perform a scanner calibration for each attached scanner capture type. This calibration process <b>SHALL</b> not exceed one (1) minute.	M		
25.2	If capture scanners are not self-calibrating, the Solution <b>SHALL</b> alert Users to perform scanner calibration by a configurable schedule (i.e., after twenty-five (25) bookings or twenty-one (21) days, whichever is earlier).	M		
25.3	The capture scanners <b>SHOULD</b> be self-calibrating, and provide a calibration report, configurable (e.g., amount of bookings or days) by a system Administrator.	O		
<b>26.0 – General Interface, Network, Hardware, and Software</b>				
26.1	The Solution <b>SHALL</b> support automatic updates at the device level.	M		
26.2	The Solution <b>SHALL</b> be capable of synchronizing with time servers for all devices utilizing Network Time Protocol (NTP.)	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
26.3	The Solution <b>SHALL</b> display to the User, an intuitive status indicator for designated interfaces on which the Livescan device relies to communicate, indicating their connectivity.	M		
26.4	The Solution <b>SHALL</b> still process a transaction when the network and/or AJIS interface is unavailable, and <b>SHALL</b> alert the User (i.e., warning message) advising them when working in an offline mode.	M		
26.5	The Solution <b>SHALL</b> allow Users to log into the Livescan devices when the network and/or AJIS interface is unavailable.	M		
26.6	The Solution <b>SHALL</b> have software version control and be capable of an automated procedure to ensure that all devices are running the same software, drivers, firmware, module, or other components.	M		
26.7	The Solution <b>SHALL</b> have a table version control and be capable of handling more than one version of tables (agency and/or location-specific table values).	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
26.8	<p>The Solution <b>SHALL</b> be compliant with the most recent version of the following standards:</p> <ul style="list-style-type: none"> <li>• NIST - Types 1, 2, 4, 8, 9, 10, 14, 15, and 17, as well as additional future types within 6 weeks of publication</li> <li>• EBTS</li> <li>• Cal-DOJ NIST</li> <li>• FBI/CJIS</li> <li>• LA County NIST (Attachment G.5) to the SOW</li> <li>• American National Standards Institute/National Institute of Standards and Technology (ANSI/NIST)  <a href="http://www.nist.gov/itl/iad/ig/ansi_standard.cfm">http://www.nist.gov/itl/iad/ig/ansi_standard.cfm</a></li> </ul> <p>Note: The Solution <b>SHALL</b> remain compliant with the above standards, throughout the term of the Contract, as new versions are published.</p>	M		
26.9	<p>The Solution <b>SHALL</b> support custom print formats (e.g., Los Angeles County booking slip, wristbands, medical screening forms, certificate of release, bail deviation form, and additional charge form) shown in ‘Sample Booking Forms’ (Attachment G.3) to the SOW.</p>	M		
26.10	<p>The Solution <b>SHALL</b> allow system Administrators to design custom report formats using a 3<sup>rd</sup> Party Report Writer (i.e., Crystal Reports), and print them based on permissions.</p>	M		
26.11	<p>All licenses for any third party software required for this Solution <b>SHALL</b> be included.</p>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
26.12	<p>The Solution <b>SHALL</b> save partially completed bookings and allow a User to retrieve and continue the booking process after a Subject's fingerprint identification, from conditions such as:</p> <ul style="list-style-type: none"> <li>• After a local identification with 99.5% match accuracy</li> <li>• After an MBIS identification</li> </ul>	M		
26.13	<p>The Solution <b>SHALL</b> be capable of retrieving an incomplete booking transaction from a Livescan device than originally started.</p>	M		
26.14	<p>The Solution <b>SHALL</b> support the ability to block the editing of a record when the fingerprint identification falls below the 99.5% match threshold.</p>	M		
26.15	<p>The Solution <b>SHALL</b> support the ability to allow limited editing without fingerprint identification.</p>	M		
26.16	<p>The Solution <b>SHALL</b> support Barcode Scanning and printing (two-dimensional capable) for the following example purposes:</p> <ul style="list-style-type: none"> <li>• To aid in data entry</li> <li>• To initiate a demographic download</li> <li>• To be used with any TOT or function</li> <li>• For wristband printing</li> <li>• All booking documentation</li> <li>• For ID Card</li> </ul>	M		
26.17	<p>The Solution <b>SHALL</b> support completed booking review on the Livescan device, prior to submission/transmission of booking record.</p>	M		
26.18	<p>The Solution <b>SHALL</b> be capable of supporting a touch screen monitor.</p>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
26.19	The Solution <b>SHALL</b> be compliant with Global Justice XML Data Dictionary Version 3.0 or most current.	M		
26.20	The Solution <b>SHALL</b> support screen lock after configurable number of minutes.	M		
26.21	<p>The Solution <b>SHALL</b> support biometric logins with any combination of the following:</p> <ul style="list-style-type: none"> <li>• User’s account credentials (User ID and password)</li> <li>• User’s fingerprint, captured with Livescan’s fingerprint scanner</li> <li>• User’s iris, captured with Livescan’s iris camera</li> <li>• User’s face, captured with Livescan’s webcam</li> </ul>	M		
26.22	The Solution <b>SHALL</b> be capable of reading a magnetic stripe card (primarily used for a Subject’s Driver’s License).	M		
26.23	The Solution <b>SHALL</b> provide advance warning via e-mail notification to the LACRIS Help Desk when the Solution is detecting eminent failure/or system degradation.	M		
26.24	The Solution Livescan device <b>SHALL</b> retain the 2,500 most recent transaction records and 100,000 submitted NIST files.	M		
26.25	The Solution <b>SHALL</b> support RAID configurations of either RAID 5, RAID 6, RAID 10 or RAID 50 to protect against data loss and system downtime in the event of mechanical failure of one (1) hard drive.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
26.26	The Solution <b>SHALL</b> not delete any previous transaction record unless it was successfully transmitted to all designated destinations with ensured delivery and/or by system Administrator.	M		
26.27	The Solution <b>SHALL</b> provide a warning to the User when three (3) attempts to send a transaction have failed and/or were unsuccessfully transmitted to all the designated systems; it <b>SHALL</b> also send an e-mail to the system Administrators of the failed submissions.	M		
26.28	All of the Solution's network communications <b>SHALL</b> meet the 'Sheriff's Data Network System Security Standards' to the SOW.	M		
26.29	The Solution <b>SHALL</b> encrypt County specified data, including criminal, throughout the Solution.	M		
26.30	The Solution <b>SHALL</b> provide a notification/messaging function that allows the LACRIS Help Desk to post priority messages directly to the Livescan devices informing the User of current system issues. (e.g., Cal-DOJ is down, planned system shutdowns, etc.)	M		
26.31	<p>The Solution's notification/messaging function <b>SHOULD</b> appear instantly at each User log-in and include at minimum the following features:</p> <ul style="list-style-type: none"> <li>• 350 characters in length</li> <li>• Four (4) different size fonts</li> <li>• Four (4) different colors</li> <li>• Automatic word wrap</li> <li>• Close message tab</li> </ul>	O		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
26.32	The Solution <b>SHOULD</b> provide functionality to allow the LACRIS Help Desk staff to select which devices the notification/message is to be displayed (e.g. by agency, location, individually, etc.).	O		
26.33	<p>The Solution <b>SHOULD</b> provide a GUI, which includes but is not limited to the following features:</p> <ul style="list-style-type: none"> <li>• Configurable by Administrator based on CBS security groups</li> <li>• Defaults available on screen fields. To be configured by systems Administrators</li> <li>• On screen context sensitive help with video tutorial (which a User can hide and/or disable)</li> <li>• Hot key based</li> <li>• Mouse hover</li> <li>• Predictive-type data table lookups</li> <li>• Launch/Splash screen with leaderboard statistics (e.g., User, ORI [originating agency identifier], agency)</li> </ul>	O		
26.34	The Solution <b>SHOULD</b> allow a User to forward transaction confirmation messages (for example, a group mailbox that will allow several individuals to monitor and respond.)	O		
26.35	The Solution <b>SHOULD</b> be capable of capturing biometric voice recordings in the booking workflow, and submit them to MBIS as part of an identification package.	O		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
26.36	The Solution <b>SHOULD</b> be capable of bypassing the iris capture booking workflow process, when MBIS and/or the FBI's booking repository verifies that the Subject has an iris capture already on file.	O		
<b>27.0 – Automated Booking Segment (ABS) Module</b>				
27.1	<b>The Solution SHALL</b> include a browser-based, web-enabled, data entry module, referred to in this Section as the Automated Booking Segment(ABS) Module (ABSM), accessible from any County-provided computer device with network connectivity on a County-specified secured network	M		
27.2	The Solution's ABSM <b>SHALL</b> be fully integrated with the CBS software installed on the Livescan devices, where CBS booking records from either the Livescan device or a web browser, will be: <ul style="list-style-type: none"> <li>• Created, assigning a unique booking number</li> <li>• Retrieved</li> <li>• Edited</li> <li>• Saved</li> <li>• Copied as a new booking record (and new booking number)</li> <li>• Printed (in hardcopy, TIFF, and PDF)</li> </ul>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
27.3	<p>The Solution’s ABSM <b>SHALL</b> resemble the County’s current Automated Booking System’s workflow and GUI, ‘Sample Booking Forms (Attachment G.3) to the SOW, taking the following into consideration:</p> <ul style="list-style-type: none"> <li>• Login/security protocols</li> <li>• The order of the GUI screens</li> <li>• Screen navigation</li> <li>• The placement of data fields per screen</li> <li>• The field tabbing sequence in a screen</li> <li>• Mandatory fields required in each screen before proceeding to the next screen</li> <li>• Drop-down table values</li> </ul>	M		

27.4	<p>The Solution’s ABSM <b>SHALL</b> include a Participating Agency-specific tiered electronic approval workflow process, not to exceed 5 levels, as follows:</p> <ul style="list-style-type: none"> <li>• Initiating User completes a booking record consisting of multiple forms, as provided in ‘Sample Booking Forms (Attachment G.3) to the SOW, <b>and submits to</b> next level for review/approval</li> <li>• Next level User reviews the booking record and will either: <ul style="list-style-type: none"> <li>i) Edit the record, approve and submit to next level for their approval</li> <li>ii) Reject the record for correction by the initiating User, providing a rejection explanation in an ABS free-text field</li> </ul> </li> <li>• Every User in the approval process will have their own work queue, and booking records that have not obtained final level approval shall be displayed with record status</li> <li>• The booking record can be edited and saved (as the most current record) by any level in this workflow process</li> <li>• The booking record shall, at the Agency’s discretion for each of their Users, be completely paperless or allow some or all of the record be printed in hardcopy</li> </ul>	M		
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Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
	<ul style="list-style-type: none"> <li>• Electronic approvals (in lieu of signatures) are applied to the booking record when User verifies/approves record</li> <li>• Approved booking records are automatically routed to the next level review or final record approval</li> <li>• The above workflow process is configurable in CBS' System Administration module by agency, level approvals, etc.</li> </ul>			
27.5	<p>The Solution's ABSM <b>SHALL</b> include data entry fields that mirror the look and workflow of the County Booking Forms, 'Sample Booking Forms (Attachment G.3) to the SOW, requiring:</p> <ul style="list-style-type: none"> <li>• Mandatory data entry fields</li> <li>• Different field types (drop down values, table dictionary driven, date and date/time, radio buttons, free text, etc.), with validation rules</li> <li>• Alike data fields across booking form screens auto-populate, for reducing data entry</li> </ul>	M		
27.6	<p>The Solution's ABSM <b>SHALL</b> assign and display on each screen both the booking number and unique ABS to CBS transaction number.</p>	M		
27.7	<p>The Solution's ABSM <b>SHALL</b> auto-save a partially completed booking record when moving from one screen field to the next and, when required, every thirty (30) seconds within the same field.</p>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
27.8	The Solution's ABSM <b>SHALL</b> lock a booking record for a County-defined time period, and allow a System Administrator to unlock the record.	M		
27.9	The Solution's ABSM <b>SHALL</b> alert the originating record User, upon returning to the booking record, that the record was updated by another User, identifying the other User.	M		
27.10	The Solution's ABSM <b>SHALL</b> as part of the booking process, prompt a User working in the field to attach a Subject's biometric identifier into the booking record. Allow User to override this step once User enters a reason (e.g., Subject has amputations).	M		
27.11	The Solution's ABSM <b>SHALL</b> submit a fingerprint capture via the Mobile Gateway interface 'System Interfaces' (Exhibit C) to the SOW, and attach to the booking record for verifying the Subject during the livescan process.	M		
27.12	The Solution's ABSM <b>SHALL</b> include navigation tools (e.g., screen tabs, command buttons) for the User to navigate from one data entry screen to another.	M		
27.13	The Solution's ABSM <b>SHALL</b> include intuitive touchscreen capabilities for any County-provided computer device that has this technology.	M		
27.14	The Solution <b>SHALL</b> be capable of tracking each User who views, edits, or prints specified forms.	M		
27.15	The Solution's ABSM <b>SHALL</b> be configurable to include additional tables and fields, with or without drop down menus, when required by County to conform to changing business practices.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
27.16	The Solution's ABSM <b>SHOULD</b> include a toggling day/night mode that adjust screen(s) for day or night viewing, with automated defaults based on the time of day.	O		
27.17	The Solution's ABSM <b>SHOULD</b> alert the originating record User via email whenever their record was updated by another User, with a link to the record.	O		
<b>28.0 – Records Management System (RMS) and External System Interfaces</b>				
28.1	The Solution <b>SHALL</b> interface with external systems, as identified and summarized in 'System Interfaces' (Exhibit C) to the SOW.	M		
28.2	The Solution <b>SHALL</b> support two-way interfacing to multiple Participating Agency RMSs (multiple interfaces), where updates made in the agency's RMS also updates the booking record in the Livescan device.	M		
28.3	The Solution <b>SHALL</b> allow a single Livescan to communicate simultaneously to multiple RMS interfaces (e.g., Site A's Livescan creates a record but submits it to three different RMS interfaces [Sites A, B, and C]).	M		
28.4	The Solution <b>SHALL</b> interface with County's AJIS for modifying any allowable fields after the initial booking and fingerprint verification of subject; automatic locking of edit feature after a configurable amount of time and/or events with admin override. This type of modification would deny User to resend NIST file to MBIS without authorization.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
28.5	The Solution <b>SHALL</b> include terminal emulator functionality (i.e., TCP/IP) on the Livescan device(s), for sending/receiving messages to/from JDIC.	M		
28.6	The Solution <b>SHALL</b> support JDIC messaging, FTP, SMTP, SQL and XML as these are anticipated to be the primary methods for interface.	M		
28.7	<p>The Solution <b>SHALL</b> support standard XML protocols for the local Participating Agencies' RMS, as follows:</p> <ul style="list-style-type: none"> <li>• GJXDM - the current XML protocol utilized by 20+ agencies</li> <li>• NIEM - the newest and more robust protocol for all replacement RMS connections, as chosen by the Participating Agency</li> <li>• FTP (File Transfer Protocol)</li> </ul>	M		
28.8	The Solution <b>SHALL</b> be "Single Data Entry." A booking record may begin on the Livescan device, local RMS, or AJIS.	M		
28.9	The Solution <b>SHALL</b> support a query from any Participating Agency's RMS to CBS's database via a SQL database view on each Livescan, as well as the central database servers, for importing into the RMS new records and modified records from CBS.	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
28.10	<p>The Solution <b>SHALL</b> handle the functionality above 27.9 in the following formats:</p> <ul style="list-style-type: none"> <li>• Cal-DOJ NIST with and without Type 10, ‘Cal-DOJ NIST’</li> <li>• Los Angeles County NIST with and without Type 10, ‘County NIST Data Types’ (Attachment G.4) to the SOW</li> </ul>	M		
28.11	<p>The Solution <b>SHALL</b> support an interface with the County’s consolidated booking system (currently AJIS) using TCP/IP (current), database-stored procedure calls, or web services such as GJXDM/NIEM.</p>	M		
<b>29.0 – Continuity of Operations</b>				
29.1	<p>The Solution’s central server functionality for the CBS Production environment <b>SHALL</b> be replicated at a secondary vendor-provided site.</p>	M		
29.2	<p>The Solution’s secondary site <b>SHALL</b> be located outside Los Angeles County, for meeting County’s Disaster Recovery provisions.</p>	M		
29.3	<p>The Solution’s secondary site <b>SHALL</b> be CJIS compliant and located either in the vendor’s designated Data Center or a CJIS-compliant cloud.</p>	M		
29.4	<p>The Solution’s secondary site <b>SHALL</b> be redundant to the Solution’s primary site at LASD’s Data Center for a seamless system failover, in instances when the primary site is down for an extended period of time.</p>	M		

Req #	Requirement	M/O	B/C/D/X	Comments - Detailed discussion of how the proposed Solution meets the Requirement
29.5	The Solution's secondary site <b>SHALL</b> be load balanced as active/active environments, with the Solution's primary site at LASD's Data Center, for maintaining system performance during heavy Solution use.	M		
29.6	The Solution's secondary site <b>SHALL</b> include all hardware, Software licensing, and maintenance (including interfaces, O/S, database, virus scan, report writer and other 3rd party software).	M		
29.7	The Solution's secondary site <b>SHALL</b> include, at the vendor's expense, a direct network communication line from LASD's Data Center to the secondary site location.	M		
29.8	The solution <b>SHALL</b> support the option to automatically forward all positive identification responses received by a Livescan to Participating Agencies' RMS via web services (e.g. GJXDM/NIEM) and FTP, based on the Participating Agency's RMS capability for updating the RMS record.	M		
29.9	The Solution <b>SHALL</b> meet all System Performance measurements specified in Exhibit C (Service Level Agreement), Schedule C.4 (Solution Performance Requirements).	M		
29.10	The Solution <b>SHOULD</b> include self-monitoring tools (e.g., identifying interfaces that are down, temporary database tables getting full requiring cleansing) and remote diagnostics, for early detection in identifying Solution problems.	O		
29.11	The Solution's central repository <b>SHOULD</b> include a redundant data storage and backup.	O		

**REQUIRED FORMS – EXHIBIT 17 (REVISED-BULLETIN # 8A)**  
**STATEMENT OF WORK RESPONSE FORM**

**TASK NUMBER:** 1

**TASK TITLE:** Project Planning – Project Control Document (PCD)

**TASK NARRATIVE:** Each Task to be performed by both the Contractor and the County staff during project implementation and until Final Acceptance shall be specifically addressed in a Project Control Document (PCD). The PCD shall include the general order in which the Tasks and Subtasks will be performed (some tasks may be conducted in parallel) and the order in which the Deliverables will be produced. Contractor shall develop a PCD, and provide the draft document to County’s Project Manager within two (2) weeks after the last project kick-off meeting (Paragraph 2.3.1), or as agreed-to by the parties. Unless otherwise agreed to by the parties or required by County, the contents of the PCD shall include, at minimum, those identified in the Statement of Work.

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<b>Assumptions:</b> ■	
<b>Resource Allocations:</b> ■	<b>Timeline to Completion:</b> ■

\*ATTACH ADDITIONAL PAGES AS NECESSARY

**TASK NUMBER:** 2

**TASK TITLE:** Ongoing Project Management

**TASK NARRATIVE:** Throughout the Term of the Agreement, under the direction of the County Project Manager, the Contractor shall apply requisite technical and management skills and techniques to assure satisfactory, timely completion of project Tasks and Deliverables, and establish a project control and reporting system which will provide routine and realistic assessments of progress against the approved PCD Detailed Work Plan. Contractor shall manage project activities and resources, and track project status. This shall include those identified in the Statement of Work.

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<b>Assumptions:</b> ■	
<b>Resource Allocations:</b> ■	<b>Timeline to Completion:</b> ■

\*ATTACH ADDITIONAL PAGES AS NECESSARY

**TASK NUMBER:** 3

**TASK TITLE:** Requirements Review and Gap Analysis

**TASK NARRATIVE:** The Contractor shall review the Solution Requirements in conjunction with the County Project Manager and key users and/or stakeholders identified by the County Project Manager. Contractor shall conduct a Gap Analysis to assess the fit between Contractor’s proposed COTS Solution’s baseline functionality and the updated Requirements. This effort requires a detailed functional walkthrough of the Contractor’s proposed COTS Solution based on County’s functional (business) scenarios.

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<b>Assumptions:</b> ■	
<b>Resource Allocations:</b> ■	<b>Timeline to Completion:</b> ■

\*ATTACH ADDITIONAL PAGES AS NECESSARY

**TASK NUMBER:** 4

**TASK TITLE:** Infrastructure and Technical Assessment

**TASK NARRATIVE:** Contractor shall conduct a readiness assessment/review of the technical infrastructure of all County locations (see Exhibit D - Equipment Locations & Inventory) and Attachment G.1 (Sample Equipment Setup Diagram) to the SOW) for the Contractor's proposed Solution.

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<b>Assumptions:</b> ■	
<b>Resource Allocations:</b> ■	<b>Timeline to Completion:</b> ■

\*ATTACH ADDITIONAL PAGES AS NECESSARY

**TASK NUMBER:** 5

**TASK TITLE:** Implementation Assessment and Strategies

**TASK NARRATIVE:** This Task 5 includes the strategies for the Contractor's Customized Solution implementation and transition to Production, based on the findings of the Infrastructure Readiness Assessment Document and final TAD (Deliverable 4). The implementation strategies shall take into consideration the County's organizational and project constraints, while addressing the County's Final Requirements. The Contractor shall submit a draft of each of the implementation strategies below (Paragraphs 2.12.1 through 2.12.4) for County review as they are prepared. This Task 5 culminates with the Contractor's creation of a comprehensive final Implementation Assessment Document (IAD). The final IAD shall open with an Executive Summary that includes key findings and recommendations, and shall include the strategies and plans identified in the Statement of Work.

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**TASK NUMBER:** 6

**TASK TITLE:** Design Review of Contractor's Customized Solution, Final Design

**TASK NARRATIVE:** Contractor shall prepare a draft design document that identifies software changes and customizations to the Contractor's proposed Solution, based on the Final Requirements Document (Deliverable 3.2). Once the draft is reviewed and approved by the County Project Manager, Contractor shall conduct multiple feedback sessions on County premises, as determined by the County Project Manager, with key County stakeholders for technical feedback, thus ensuring the accuracy and completeness of the CBS Design Review document.

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<b>Assumptions:</b> ■	
<b>Resource Allocations:</b> ■	<b>Timeline to Completion:</b> ■

\*ATTACH ADDITIONAL PAGES AS NECESSARY

**TASK NUMBER:** 7

**TASK TITLE:** Contractors COTS Solution Customization (Development/ Configuration) and Factory Acceptance Test

**TASK NARRATIVE:** While the County is not responsible for the Customization (configuration and/or development / programming) effort, the County will assist the Contractor in ensuring that the completed Customization effort meets the Final Requirements, as specified in the Contractor's Customized COTS Solution, and the agreed-to Final Design Document (Deliverable 6).

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\*ATTACH ADDITIONAL PAGES AS NECESSARY

**TASK NUMBER:** 8

**TASK TITLE:** CBS Solution Installation, Production and System Acceptance Test

**TASK NARRATIVE:** Upon successful completion of FAT as documented in the final FAT Report (Subparagraph 2.24.4), Contractor shall install the Solution on County premises with Contractor-provided hardware at the central server site, and up to five (5) selected Livescan sites, designated by the County Project Manager. Contractor shall deliver, install, and configure equipment before conducting CBS System Acceptance Test (SAT), for County's approval.

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<b>Resource Allocations:</b> ■	<b>Timeline to Completion:</b> ■

\*ATTACH ADDITIONAL PAGES AS NECESSARY

**TASK NUMBER:** 9

**TASK TITLE:** Solution Documentation

**TASK NARRATIVE:** Contractor shall draw up and finalize the CBS Solution’s documentation as specified in the IAD (Deliverable 5), taking into consideration the documented modifications addressed in the final FAT Report.

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<b>Resource Allocations:</b> ■	<b>Timeline to Completion:</b> ■

\*ATTACH ADDITIONAL PAGES AS NECESSARY

**TASK NUMBER:** 10

**TASK TITLE:** Training

**TASK NARRATIVE:** Contractor shall prepare a Training Plan, conduct on-site (County's Norwalk offices) train-the-trainer classes, and participate in a select number of training classes to provide feedback to instructors.

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**TASK NUMBER:** 11

**TASK TITLE:** CBS Test Environment

**TASK NARRATIVE:** Contractor shall establish the Test Environment, load sample data and data dictionaries, and connect Livescan devices and interfaces to the CBS Test Environment.

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**TASK NUMBER:** 12

**TASK TITLE:** Transition to Production

**TASK NARRATIVE:** Contractor shall perform CBS Solution testing and preparedness, for County's authorization in this last Task prior to System Implementation, assuring that the CBS Solution is certified fully functional and ready for production use. Based on the final Implementation Assessment Document or IAD (Deliverable 5), Contractor shall at minimum conduct the testing identified in the Statement of Work.

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**TASK NUMBER:** 13

**TASK TITLE:** CBS Solution Implementation (Rollout) and Final Acceptance

**TASK NARRATIVE:** Using the IAD's (Deliverable 5) Transition to Production: Production Cutover Strategy, Contractor and County shall coordinate all the steps required for the CBS Solution's system implementation rollout to the designated Livescan Devices and site locations used during UAT.

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<b>Assumptions:</b> ■	
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\*ATTACH ADDITIONAL PAGES AS NECESSARY

**TASK NUMBER:** 14

**TASK TITLE:** Ongoing Post-Implementation Maintenance and Support

**TASK NARRATIVE:** Services included as part of the CBS maintenance and support fees are outlined in the Statement of Work.

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