SYSTEMS DELIVERY AND PROJECT PORTFOLIO MANAGEMENT

ANNEX E

LATENT CASE MANAGEMENT CAPABILITY REQUIREMENTS

AFIS RENEWAL

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TABLE OF CONTENTS

FIGURES

TABLES

1. INTRODUCTION

1.1 GENERAL

1. This Annex E to the Appendix A SOW describes the detailed requirements to replace the existing Electronic Latent Management Operations (ELMO) with a Latent Case Management Capability (LCMC) that is integrated with the AFIS renewal solution. These requirements are in addition to the high level requirements stated throughout the SOW and its accompanying documents.
2. This document identifies what the Contractor's LCMC must provide in order to satisfy the RCMP's requirements for managing all latent cases processed on the AFIS renewal solution. It describes the functional and technical requirements that must be provided by the Contractor's LCMC to support the business, interfaces, capacity, security and quality requirements of the RCMP.

1.2 LCMC REPLACEMENT CONCEPT

1. The LCMC must be a replacement of the existing ELMO and must be an integrated solution with the Contractor's AFIS renewal solution. That is, the LCMC/AFIS users must be able to seamlessly interface between the LCMC and AFIS to send fingerprints for search from the LCMC and perform all other required capabilities stated in this SOW and its accompanying documents.
2. The LCMC and AFIS users are the same users that must use the same AFIS windows workstation to perform either LCMC or AFIS activities. Performing latent case management activities are part of the daily activities for an AFIS Latent Fingerprint Analyst.
3. The preferred LCMC solution is an integrated capability within the AFIS renewal solution. This would provide a consistent UI for the LCMC/AFIS users and ensure there is no duplication of capabilities available in the LCMC and AFIS. That is, this integrated LCMC capability would be part of the AFIS renewal solution UI, where additional button or UI icons on the AFIS renewal solution UI would be clicked by the user to perform case management activities.
4. If the Contractor chooses to use a third party LCMC or the Contractor's separate LCMC product, the Contractor must provide an integrated LCMC solution. That is, it is the Contractor's responsibility to seamlessly integrate the Contractor's proposed LCMC with the AFIS renewal solution. For example, if there is an ident by an AFIS fingerprint technician, the ident result must be immediately available in the LCMC where another user views the results following the ident.
5. ELMO currently records in its database a significant portion of data that is also recorded in AFIS. The LCMC is expected to eliminate all of this duplication. The LCMC must eliminate all this duplication from an AFIS/LCMC user perspective. That is, with an integrated LCMC solution, this duplication would be inherently eliminated. If the Contractor's chooses a third party or separate LCMC, the Contractor must ensure any duplication between the LCMC and the AFIS renewal solution is seamless to the user.
6. The Contractor's solution must include the database conversion from the existing ELMO SQL database to the Contractor's LCMC/AFIS database.

1.3 DOCUMENT ORGANIZATION

1. The AFIS ICD changes, defined in AFIS ICD 2.1, required to support the LCMC are explained herein along with a description of the AFIS/LCMC workflow applicable to the LCMC requirements.
2. The workflow shows the sequence of AFIS processing that will be altered to provide the AFIS renewal solution with the additional data that must be managed by LCMC. That is, the existing AFIS ICD 2.0 transaction sent from NNS and the AFIS renewal solution processing required to support the AFIS ICD 2.0 includes most of the data required for LCMC. The altered workflow highlights the additional transactions required to provide AFIS with additional data that must be managed by LCMC.
3. The detailed functional requirements that must be supported by the LCMC are presented following the workflow.
4. There are technical requirements included with the functional requirements to ensure clarity concerning the requirements. However, most of the detailed technical and implementation requirements that must be supported by the LCMC are included within the Annex B AFIS renewal solution detailed requirements.
5. This annex is intended to be read after reviewing the AFIS detailed requirements in Annex B.

1.4 DEFINITIONS

1. A “production administrator” (prod admin) is a non-technical AFIS user who monitors the system, sets up new users, produces reports, sets configurable parameters and performs a variety of AFIS support functions. An operational administrator is not a technical support person and as such uses a UI to carry out tasks on the system.
2. A “technician” is a fingerprint technician using the AFIS to perform specific AFIS production functions such as Ten Print Quality Control, Verification, Certification and so on.
3. A latent technician (aka Central Latent analyst) is an experienced fingerprint technician specializing in the identification of crime scene prints. The term ‘technician’ is sometimes used within the context of the specific function they are performing (e.g., QC technician). The Central Latent Analysts at RCMP Headquarters will use LCMC to manage the processing of Central Latent cases.
4. A “supervisor” is an AFIS user who supervises a group of fingerprint technicians. Ten Print supervisors also deal with high priority searches and difficult transactions. Latent supervisors also perform all of the latent certifications.
5. A “remote operator” is a fingerprint technician located at a remote AFIS site that is performing latent searches against the RCMP TPF and ULF. This operator has been trained and is regularly monitored by the RCMP.
6. An ‘uncertified remote operator’ is one who is going through the training period allowing the Remote Network Search Coordinator to monitor their work.
7. The “Remote Network Search Coordinator (RNSC)” is a senior latent technician located at the RCMP who is responsible for training and monitoring remote operators.

8. “Operator” and “user” are used interchangeably in these requirements and always refer to production users. The Role Based Access Controls (RBAC) defined in Annex B apply to LCMC. LCMC user activities simply reflect the access privileges allowed for the role.
9. “Operational Support” (OPS) is a 24/7/365 user in the RCMP/SSC data center responsible for monitoring server alarms and taking action based on predefined guidelines to recover from whatever failure might occur. Since the Contractor is responsible for AFIS support, typically, OPS simply contacts the Contractor AFIS resources to alert them of any failures and the Contractor AFIS resources resolve the issue.
10. “Assignment user” is an AFIS/LCMC user responsible for assigning incoming work to individual AFIS latent fingerprint technicians. Other roles related to case management are included in Annex B.
11. “LCMC user” is an AFIS user, managed through the same user management capability as described in the AFIS renewal solution. The LCMC roles are used to distinguish normal AFIS processing from case management; however, this does not mean that the AFIS processing and LCMC activities need to be separate. The LCMC portion of the requirements is primarily a different view of the data used and created in the AFIS renewal solution processing which includes more data than typically viewed during AFIS fingerprint processing.
12. “Latent Case” or “Case” refers to the latent case that the Contributor maintains on their premises. A latent submission refers to the search request that they submit for search as part of their latent case. Each latent case will be made up of one or more latent submissions. Latent submissions are currently restricted as to how many images may be included. If there are more images available for the latent case than is allowed in an individual latent submission then multiple latent submissions will be submitted. The AFIS/LCMC must enable the RCMP to manage the latent fingerprint searching and case management data portion of the latent case on behalf of the contributor.
13. “Central Latent Client (CLC)” user refers to a user supported through NNS to submit latent images for cases that must be managed by LCMC. The normal CLC user is an RCMP detachment user or a user at an agency that is supported by central latent processing. There is also a concept of a CLC internal user, where this internal CLC user submits latent images for cases on-behalf-of other RCMP detachment or agency. From an AFIS ICD perspective there is no difference between an on-behalf-of submission and a normal CLC user submission. There is a slight difference for on-behalf-of CLC user because the additional data through the LCMC Database view must be available to the on-behalf-of CLC user. The requirements stated herein identify these differences.

2. LCMC ICD CHANGES AND WORKFLOW

2.1 LCMC ICD CHANGES

1. The AFIS ICD 2.1 identifies the specific transaction details that must be supported by the LCMC/AFIS renewal solution.
2. The following are brief descriptions of each key workflow change required for LCMC; however, there are many AFIS ICD 2.0 transactions that contain data and processing which also must be used by LCMC.
    a. Latent Fingerprint Submission (LFSNSI) – This TOT includes all data related to a submission that is available from the initial submission by the Contributor. It includes case file information and up to 10 images (i.e. object shots and/or latent impressions). The LCMC/AFIS must manage all of the latent related data included in the LFSNSI and make this data available as required as stated throughout this SOW and its accompanying documents.
    b. Subject File Fetch Response (SFFRI) – This TOT is used by NNS to provide the LCMC/AFIS renewal solution with identification related data associated with the processing of the submission, typically referred to as CRIFI data. For example, this data includes last name, first name, DOB, etc. and identifies whether the transaction has hit to a young offender, restricted/sensitive file, pardon file, etc. Refer to the AFIS ICD for details concerning this TOT. This data must be available to the LCMC/AFIS user and be maintained by AFIS as part of the LCMC/AFIS data associated with the latent image ID. This data is used to make a decision on the content of a search response message.
    c. LSRI – When a re-launch (e.g. cold case research) is performed by an LCMC/AFIS user, LCMC/AFIS must send an LSRI to NNS indicating that a new search has been initiated from AFIS. The LCMC/AFIS must generate the next available Latent image ID for the images that is being re-launched from LCMC/AFIS.
    d. Search Response Message (SRMI) – The SRMI is used by AFIS to inform NNS that an email notification must be sent to the Contributor alerting them that there has been an update to the latent file number associated with their case. This email notification is a clear text internet email; therefore, there is no protected data included in the email. The actual response message content, indicating ident or non-ident, is only recorded in the LCMC/AFIS renewal solution. Refer to details concerning the LCMC read-only database view and Annex B information on how NNS uses the view to present the response message content to the contributor through a secure connection.

2.2 AFIS RENEWAL WORKFLOW

1. This subsection presents an example workflow that shows the AFIS ICD 2.1 changes within an existing workflow. This LFS workflow example includes an ident in order to show how the AFIS ICD 2.1 transactions fit into the workflow.

2. The LSRI is an existing AFIS ICD 2.0 transaction; therefore, it is not depicted in the modified workflow for a latent re-launch. For a latent re-launch the LSRI will be used in virtually the same manner as it is with the existing workflow; however, NNS processing will be slightly different to support receiving an LSRI without an associated LFSI. The existing RTID system uses ELMO to re-launch a latent search, which creates an LFSI which is sent to AFIS and after latent processing AFIS sends an LSRI to NNS for the LFSI initiated through ELMO/NNS. With ELMO replaced by LCMC, the alternative method presented herein is required to re-launch a latent from AFIS and ensure all processing and data necessary to support all the requirements stated throughout this SOW and its accompanying documents are satisfied.
3. Depending on the Contractor's processing around re-launches, it is possible other workflow changes not identified herein will be necessary to support the AFIS ICD 2.1 changes. It is the Contractor's responsibility to understand how each workflow will be impacted by the AFIS ICD 2.1 changes within the context of the Contractor's LCMC/AFIS renewal solution. The AFIS ICDs identify every transaction that must be received and processed by the AFIS renewal solution as well as every transaction that must be created by the AFIS renewal solution while processing any workflow. The sequence of activities, the ICDs and the requirements stated throughout this SOW and its accompanying documents must be used by the Contractor to understand the requirements.
4. If necessary and only for the modified portion of the workflows in support of the new requirements, the RCMP may allow adjustments to the workflow. It is at the sole discretion of the RCMP whether to allow any adjustment to the modified portion of the workflows required to support the new requirements. The Contractor is encouraged to get written approval from the RCMP prior to identifying any changes to avoid a potentially non-compliant bid submission.
5. There will be no changes allowed to the existing workflows, unless specifically stated in this SOW or its accompanying documents. The NNS is fully operational and already supports the workflows with a specific sequence of activities. The NNS will not be changed to adjust to the AFIS renewal solution unless specifically indicated herein or agreed to in writing by the RCMP.

2.2.1 CENTRAL LATENT WORKFLOW

1. The following table shows the sequence of activities for an existing central latent submission. Following this table is an explanation of each activity and transaction included in the workflow related to understanding the workflow applicable to the AFIS renewal solution. The AFIS renewal solution must receive and correctly process each AFIS ICD NIST transaction sent to the AFIS renewal solution as well as respond back to NNS with the required AFIS ICD NIST transaction correctly populated with the data required by the NNS in the sequence required for each workflow.
2. Note: The following example is an existing flow which has been modified; therefore, this flow may not precisely reflect the resulting workflow for this central latent transaction.

Line #	Activity	Txn	System/ Subsystem	Latent Image ID	Operator ID	Outcome
1.	Received	LFS	NNS			Passed
2.	Decrypt NIST File	LFS	NNS			Passed
3.	High Level Validation	LFS	NNS			Passed
4.	ICD Validation	LFS	NNS			Passed
5.	Image Validation	LFS	NNS			Passed
6.	Transformation	LFSNS	NNS			From: LFS To: LFSNS
7.	Created and Archived	ACKL Email	NNS			
8.	Sent	ACKL Email	NNS			
9.	Send to AFIS	LFSNSI	AFIS,NNS			
10.	Created and Archived	LFSI	NNS			
11.	Send to AFIS	LFSI	AFIS,NNS			
12.	Created and Archived	LFSI	NNS			
13.	Send to AFIS	LFSI	AFIS,NNS			
14.	Wait for Lasso	STI	AFIS	ON10800-2015-TESTCASE-001-00		
15.	Wait for Lasso	STI	AFIS	ON10800-2015-TESTCASE-002-00		
16.	Lasso	LSRI	AFIS	ON10800-2015-TESTCASE-002-01	User: 01	

Line #	Activity	Txn	System/ Subsystem	Latent Image ID	Operator ID	Outcome
17.	Latent Review	LSRI	AFIS	ON10800-2015-TESTCASE-002-01	User: 01	
18.	Latent Automated Encoding	LSRI	AFIS	ON10800-2015-TESTCASE-002-01	AFIS System user: 99	
19.	LT Commit Received	LTCI	AFIS,NNS	ON10800-2015-TESTCASE-002-01		
20.	LT-TP Search	LSRI	AFIS	ON10800-2015-TESTCASE-002-01	AFIS System user: 99	
21.	Wait for Lasso	STI	AFIS	ON10800-2015-TESTCASE-002-00		
22.	LT-TP/Wait for Verify 1st Certify	STI	AFIS	ON10800-2015-TESTCASE-002-01		
23.	LT-TP Search Result Received	LSRI	AFIS,NNS	ON10800-2015-TESTCASE-002-01		Result: Non Disposition
24.	Search Result saved to LCMC/AFIS	LSRI	NNS,AFIS	ON10800-2015-TESTCASE-002-01		
25.	Latent Verification	LSRI	NNS	ON10800-2015-TESTCASE-002-01	User: 01	Number of candidates to verify: 49
26.	Latent Manual Encoding	LSRI	AFIS	ON10800-2015-TESTCASE-002-01	User: 01	
27.	Latent Review	LSRI	AFIS	ON10800-2015-TESTCASE-002-01	User: 01	
28.	Wait for Latent Edit	STI	AFIS	ON10800-2015-TESTCASE-002-		

Line #	Activity	Txn	System/ Subsystem	Latent Image ID	Operator ID	Outcome
				01		
29.	LT-TP Search	LSRI	AFIS	ON10800-2015-TESTCASE-002-01	User: 01	
30.	LT-TP / Wait for Verify 1st Certify	STI	AFIS	ON10800-2015-TESTCASE-002-01		
31.	LT-TP Search Result Received	LSRI	AFIS,NNS	ON10800-2015-TESTCASE-002-01		Result: Non Disposition
32.	Search Result saved to LCMC/AFIS	LSRI	NNS,AFIS	ON10800-2015-TESTCASE-002-01		
33.	Latent Verification	LSRI	NNS	ON10800-2015-TESTCASE-002-01	User: 01	Number of candidates to verify: 49
34.	Wait for UL Search	STI	AFIS	ON10800-2015-TESTCASE-002-01		
35.	LT-TP Search Result Received	LSRI	AFIS,NNS	ON10800-2015-TESTCASE-002-01		Result: Non-Ident
36.	Search Result saved to LCMC/AFIS	LSRI	NNS,AFIS	ON10800-2015-TESTCASE-002-01		
37.	Lasso	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	User: 01	
38.	Latent Review	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	User: 01	
39.	Latent Automated Encoding	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	AFIS System user: 99	
40.	LT Commit	LTCI	AFIS,NNS	ON10800-2015-		

Line #	Activity	Txn	System/ Subsystem	Latent Image ID	Operator ID	Outcome
	Received			TESTCASE-001-01		
41.	LT-TP Search	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	AFIS System user: 99	
42.	Wait for Lasso	STI	AFIS	ON10800-2015-TESTCASE-001-00		
43.	LT-TP/Wait for Verify 1st Certify	STI	AFIS	ON10800-2015-TESTCASE-001-01		
44.	LT-TP Search Result Received	LSRI	AFIS,NNS	ON10800-2015-TESTCASE-001-01		Result: Non Disposition
45.	Search Result saved to LCMC/AFIS	LSRI	NNS,AFIS	ON10800-2015-TESTCASE-001-01		
46.	Latent Verification	LSRI	NNS	ON10800-2015-TESTCASE-001-01	User: 01	Number of candidates to verify: 50
47.	Latent Manual Encoding	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	User: 01	
48.	Latent Review	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	User: 01	
49.	Wait for Latent Edit	STI	AFIS	ON10800-2015-TESTCASE-001-01		
50.	LT-TP Search	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	User: 01	
51.	LT-TP / Wait for Verify 1st Certify	STI	AFIS	ON10800-2015-TESTCASE-001-01		

Line #	Activity	Txn	System/ Subsystem	Latent Image ID	Operator ID	Outcome
52.	LT-TP Search Result Received	LSRI	AFIS,NNS	ON10800-2015-TESTCASE-001-01		Result: Non Disposition
53.	Search Result saved to LCMC/AFIS	LSRI	NNS,AFIS	ON10800-2015-TESTCASE-001-01		
54.	Latent Verification	LSRI	NNS	ON10800-2015-TESTCASE-001-01	User: 01	Number of candidates to verify: 50
55.	Wait for UL Search	STI	AFIS	ON10800-2015-TESTCASE-001-01		
56.	LT-TP Search Result Received	LSRI	AFIS,NNS	ON10800-2015-TESTCASE-001-01		Result: Non-Ident
57.	Search Result saved to LCMC/AFIS	LSRI	NNS,AFIS	ON10800-2015-TESTCASE-001-01		
58.	Wait for Insert	STI	AFIS	ON10800-2015-TESTCASE-001-01		
59.	Latent Manual Encoding	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	User: 02	
60.	Latent Review	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	User: 02	
61.	Wait for Latent Edit	STI	AFIS	ON10800-2015-TESTCASE-001-01		
62.	LT-TP Search	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	User: 02	
63.	Wait for Insert	STI	AFIS	ON10800-2015-TESTCASE-002-		

Line #	Activity	Txn	System/ Subsystem	Latent Image ID	Operator ID	Outcome
				01		
64.	LT-TP / Wait for Verify 1st Certify	STI	AFIS	ON10800-2015-TESTCASE-001-01		
65.	LT-TP Search Result Received	LSRI	AFIS,NNS	ON10800-2015-TESTCASE-001-01		Result: Non Disposition
66.	Search Result saved to LCMC/AFIS	LSRI	NNS,AFIS	ON10800-2015-TESTCASE-001-01		
67.	Wait for Latent Edit	STI	AFIS	ON10800-2015-TESTCASE-002-01		
68.	Wait for UL Search	STI	AFIS	ON10800-2015-TESTCASE-002-01		
69.	Wait for Insert	STI	AFIS	ON10800-2015-TESTCASE-002-01		
70.	Latent Verification	LSRI	NNS	ON10800-2015-TESTCASE-001-01	User: 02	Number of candidates to verify: 50
71.	LT-TP Hit / Wait for Verify 2nd Certify	STI	AFIS	ON10800-2015-TESTCASE-001-01		
72.	Wait for Insert	STI	AFIS	ON10800-2015-TESTCASE-002-01		
73.	Wait for Latent Edit	STI	AFIS,NNS	ON10800-2015-TESTCASE-002-01		
74.	Wait for UL Search	STI	AFIS	ON10800-2015-TESTCASE-001-01		
75.	Wait for Insert	STI	AFIS	ON10800-2015-		

Line #	Activity	Txn	System/ Subsystem	Latent Image ID	Operator ID	Outcome
				TESTCASE-001-01		
76.	Not Saved to ULF	STI	AFIS	ON10800-2015-TESTCASE-001-01		
77.	Latent Image Transaction End(11)	STI	AFIS	ON10800-2015-TESTCASE-001-01		
78.	Wait for Insert	STI	AFIS	ON10800-2015-TESTCASE-001-01		
79.	Wait for Latent Edit	STI	AFIS	ON10800-2015-TESTCASE-001-01		
80.	Wait for UL Search	STI	AFIS	ON10800-2015-TESTCASE-001-01		
81.	Wait for Insert	STI	AFIS	ON10800-2015-TESTCASE-001-01		
82.	Not Saved to ULF	STI	AFIS	ON10800-2015-TESTCASE-001-01		
83.	Latent Image Transaction End(11)	STI	AFIS,NNS	ON10800-2015-TESTCASE-001-01		
84.	Wait for Insert	STI	AFIS	ON10800-2015-TESTCASE-001-01		
85.	Wait for Latent Edit	STI	AFIS	ON10800-2015-TESTCASE-001-01		
86.	Wait for UL Search	STI	AFIS	ON10800-2015-TESTCASE-001-01		

Line #	Activity	Txn	System/ Subsystem	Latent Image ID	Operator ID	Outcome
87.	Wait for Insert	STI	AFIS	ON10800-2015-TESTCASE-001-01		
88.	Not Saved to ULF	STI	AFIS	ON10800-2015-TESTCASE-001-01		
89.	Latent Image Transaction End(11)	STI	AFIS,NNS	ON10800-2015-TESTCASE-001-01		
90.	Latent Certification	LSRI	AFIS	ON10800-2015-TESTCASE-001-01	User: 02	Ident to Criminal 20000####99
91.	Wait for UL Search	STI	AFIS	ON10800-2015-TESTCASE-001-01		
92.	Send M SC to CPIC	CRIFI Search	NNS	ON10800-2015-TESTCASE-001-01		
93.	Information Fetch CPIC Information	CRIFI Search	CPIC	ON10800-2015-TESTCASE-001-01		File Number 20000####99
94.	Information Fetch ADS Flags	CRIFI Search	NNS,ADS	ON10800-2015-TESTCASE-001-01		File Number 20000####99
95.	Send to Subsystem (240)	FOLI	NNS, CREMMS	ON10800-2015-TESTCASE-001-01		
96.	Wait for Insert	STI	AFIS	ON10800-2015-TESTCASE-001-01		
97.	Not Saved to ULF	STI	AFIS	ON10800-2015-TESTCASE-001-01		
98.	Latent Image Transaction	STI	AFIS,NNS	ON10800-2015-TESTCASE-001-		

Line #	Activity	Txn	System/ Subsystem	Latent Image ID	Operator ID	Outcome
	End(11)			01		
99.	Received	FOLRI	NNS, CREMMS	ON10800-2015-TESTCASE-001-01		
100.	Information Fetch Folio Docket	CRIFI Search	NNS, CREMMS	ON10800-2015-TESTCASE-001-01		File Number 20000####99
101.	CRIFI Completed	CRIFI Search	NNS	ON10800-2015-TESTCASE-001-01		
102.	Send Ident Data to AFIS	SFFRI	NNS, AFIS	ON10800-2015-TESTCASE-001-01		
103.	Save Search in AFIS	LSRI	AFIS,NNS	ON10800-2015-TESTCASE-001-01		
104.	LT-TP Search Result Received	LSRI	AFIS,NNS	ON10800-2015-TESTCASE-001-01		Result: Ident
105.	Match Report Generated	LSRI	NNS	ON10800-2015-TESTCASE-001-01		
106.	Match Report Viewed	LSRI	NNS	ON10800-2015-TESTCASE-001-01		
107.	Send Latent Search Response (LSR)	SRMI	NNS, AFIS	ON10800-2015-TESTCASE-001-01		
108.	Sent	LSR Email	NNS			

Table 1 : Central Latent Workflow

3. The above table shows all activities for a LFS submission to reflect the other non-AFIS activities that also occur throughout this process. These non-AFIS activities allow a better understanding of the overall processing, shows how the data that will be sent to the AFIS renewal solution is derived and how the data received from the AFIS renewal solution would be used. The specific details concerning this LFS transaction can be viewed in Annex B where almost every step in the LFS transaction is explained. The purpose of showing the above workflow is to demonstrate where in the workflow that the new AFIS ICD 2.1 TOTs used for LCMC fit into the processing as well as previous ELMO activities which must be supported by LCMC/AFIS.

3. GENERAL LCMC REQUIREMENTS

3.1 LCMC COTS COMPLIANCE

1. The LCMC should be a Commercial Off-the-Shelf (COTS) software product to the greatest extent possible.
2. This COTS product must be customizable to modify, extend, expand and/or introduce new functionality to the COTS product to support the LCMC requirements stated in this SOW and its accompanying documents.
3. This COTS product must be configurable to support changes or additions made to the base set of data values of the COTS product to reflect the requirements of the RCMP. These application configuration changes should not include modifying existing or adding new programming code, or changing the application architecture or data structure.
4. The Contractor shall migrate RCMP-specific functionality as the LCMC COTS baseline evolves over the life of the contract. RCMP must have the ability to upgrade the COTS as upgrades become available.
5. The Contractor shall describe in detail its strategy for migrating RTID-specific functionality as the LCMC COTS baseline evolves over the life of the contract addressing the extent to which it will include custom features into its COTS product and to what extent that the Contractor's strategy will minimize disruption in terms of availability if RCMP chooses to implement an upgrade.

3.2 GENERAL

1. The Contractor must provide a fully operational LCMC that satisfies all the requirements stated in this SOW and its accompanying documents.
2. The Contractor's solution must include the database conversion from the existing ELMO SQL database to the Contractor's LCMC database with full consideration to the AFIS database requiring conversion as identified in this SOW and its accompanying documents. That is, the ELMO database conversion into the Contractor's LCMC/AFIS database must link the ELMO data related to the AFIS data to create a fully operational LCMC / AFIS renewal solution with the ELMO and AFIS related data combined. This will ensure the historical record of data in ELMO is retained within the new LCMC / AFIS renewal solution system.
3. The LCMC must comply with the Scientific Working Group on Friction ridge Analysis, Study and Technology (SWGFAST) Analysis, Comparison, Evaluation and Verification (ACE-V) methodology or their replacement Organization of Scientific Area Committee (OSAC) Friction Ridge Subcommittee (FRS).
4. The Contractor must demonstrate the LCMC/AFIS ability to support SWGFAST ACE-V through the LCMC/AFIS processing and documentation generated as part of the processing.
5. The LCMC must interface with RTID's NNS using the AFIS ICDs. The AFIS ICD 2.1 includes new transactions and existing transactions that were modified for this SOW to enable the communication of latent case management information to be exchanged between NNS and LCMC/AFIS.

6. All AFIS renewal solution technical, transaction logging, auditing, reporting, workflow, and UI requirements must be extended to include the LCMC requirements. That is, the LCMC must be an integrated solution within the AFIS renewal solution; therefore, all of technical, processing and logging requirements that apply to the AFIS renewal solution also apply to LCMC. Consequently, these requirements have not been restated herein unless to specifically explain a requirement within LCMC.
7. This document also contains a section describing the ELMO database primarily for database conversion purposes; however, also to ensure the requirements are understood. Although it is understood that the data may be stored differently in the LCMC solution, the intent and use of the data must be retained.
8. The LCMC performance requirements are the same as the performance requirements for AFIS.

3.3 LCMC UI VIEW

1. The LCMC/AFIS UI must allow the case related data to be queried and viewed. This UI view must be a combination of all data related to a case regardless of whether the data in part of the AFIS renewal solution work queue or data resulting from the completed processing of images related to the case.
2. This LCMC UI view must allow all of the capabilities available through the work queue to be available in the LCMC UI view. That is, since the LCMC is intended to be a view of any available data related to a case, then work queue data would be included. Since work queue data includes data in various states of processing, the LCMC user must be able to take action on the transaction in the same manner as the work queue. As well, all functionality available in the AFIS renewal solution UI must also be available in the LCMC UI based on the applicable state of the transaction. For example, configurable parameters for screen refresh rate, right mouse click or similar method to perform side-by-side, or perform database query, as well as appropriate buttons and icons for transaction processing.
3. The LCMC must have a capability to allow an authorized user to assign work to a latent fingerprint technician. This assignment user will assign incoming transaction to a specific technician based on the technician’s user id, select from a list of latent technicians.

3.4 LOGGING OF ACTIVITIES

1. The LCMC must be an integrated solution within the AFIS renewal solution; therefore, all the logging requirements stated in the AFIS renewal solution and throughout this SOW and its accompanying documents apply to the LCMC activities. Refer to Annex B for additional information concerning logging that must record when, where and why, whatever happened and by whom, related to any request processed on the AFIS renewal solution. Consequently, all LCMC activities identified herein must be recorded as per the requirements in the AFIS renewal solution.

3.5 WORKFLOW MANAGEMENT AND RELATED SERVICES

3.5.1 LCMC INTEGRATED IN AFIS

1. The LCMC integrated into the AFIS renewal solution must create a seamless relationship between the AFIS functionality and the additional functionality required to satisfy the LCMC requirements.
2. Central latent contributors submit LFS transactions. The NNS creates one LFSI transaction for each latent image in the LFS submission. Each LFSI transaction is sent to the AFIS renewal solution.
3. Based on the AFIS renewal solution requirements, the Contractor's solution must be able to filter on any field in the work queue. The same requirements apply to the LCMC portion of the AFIS renewal solution; therefore, the LCMC/AFIS user can filter and organize, the work queue data or the non-work queue data that must be displayed, in the LCMC UI view to suit their processing requirements.
4. In addition to the filters available in the AFIS renewal solution, the LCMC must allow an authorized user to filter the work queue based transactions that are currently unassigned. This assignment user will assign submissions to individual AFIS latent fingerprint technicians. Alternatively, if a user starts processing a currently unassigned transaction for a submission (e.g. submitted through an LFSI), then the LCMC/AFIS must automatically assign the submission to that user.
5. Typically the latent user is expected to filter the work queue for transactions assigned to them. While processing the transactions assigned to them, the AFIS renewal solution capabilities such as next transaction, previous transaction, etc. apply to the filtered queue of the user; therefore, allowing the user to focus on the work assigned to them.
6. All of the activities and processing results (e.g. idents, non-idents) of the transactions by the user must be recorded for the transaction as per the AFIS renewal solution. The LCMC must allow the data for completed and in progress transactions to be viewed and actioned in an efficient and effective manner. The next subsection depicts mock up screens and describes the type of access to this data required by the LCMC/AFIS user. It is understood that every Contractor solution is likely different. These mock ups are created to explain the requirement and do not necessarily reflect a specific UI design.

3.5.2 LCMC MOCK UP

1. The LCMC user must be able to view LCMC/AFIS data in a manner effective for case management. The first mock up screen for LCMC (Figure 1: LCMC Search Criteria) is the search criteria screen which will be used to populate the LCMC UI main view screen (Figure 2: LCMC UI Main View).
2. Figure 2: LCMC UI Main View depicts a summary view of a user viewing a list of cases for a contributor as well as the list of submissions for the select case and the list of latent images with identifications for the selected submission. These three (3) windows on the same screen represent the manner in which RCMP latent fingerprint technicians manage cases. The LCMC UI must present the case data in manner similar to what is depicted in the mock up screens herein.

3. Note: All searches to FBI initiated by the LCMC/AFIS renewal solution user must be automatically recorded under the latent file # with all other searches, with an indication that it was an FBI search (e.g. flag). This allows all activity to be associated with a case and allows the user to view all case related data.

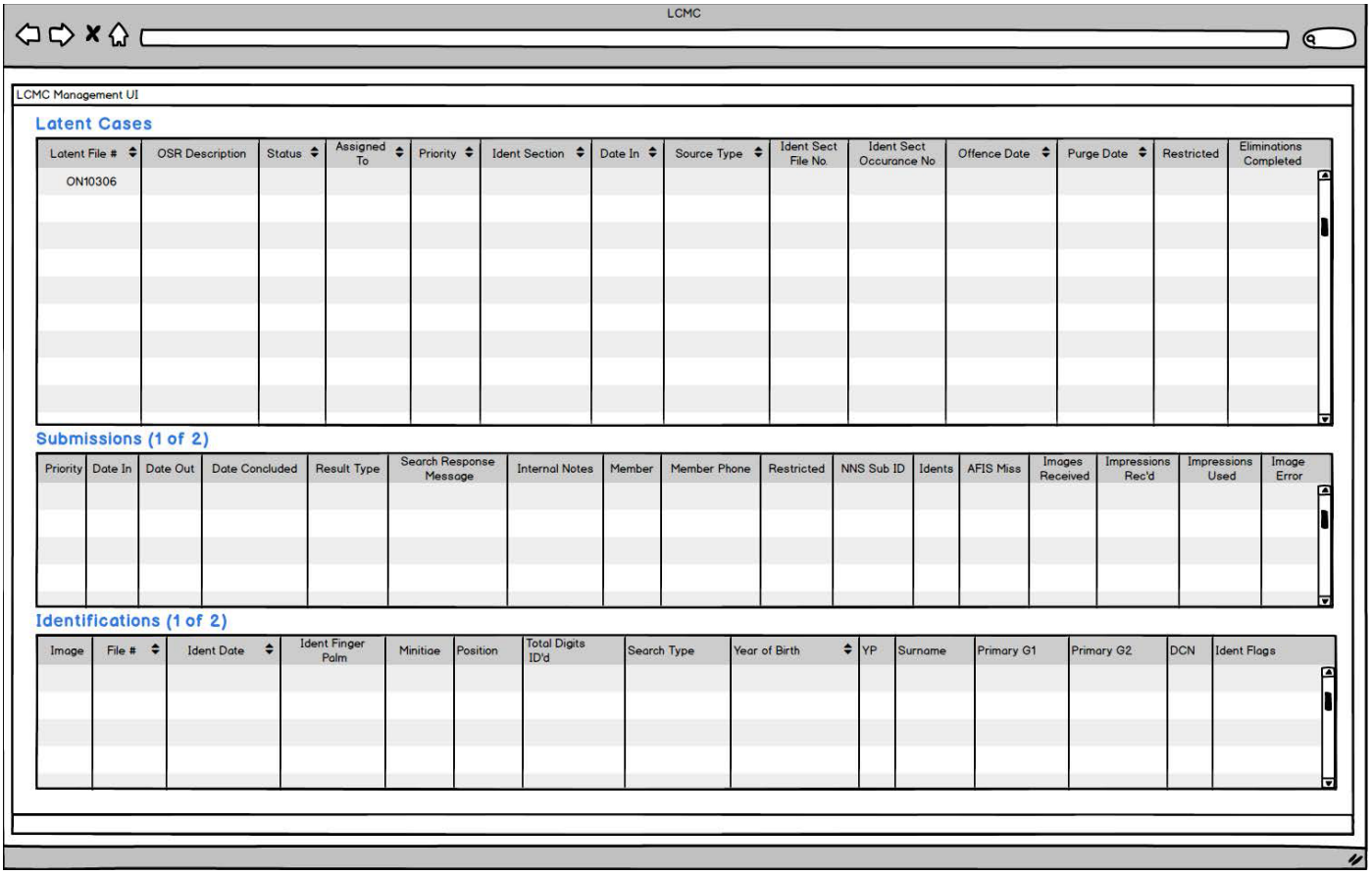

Figure 1: LCMC Search Criteria

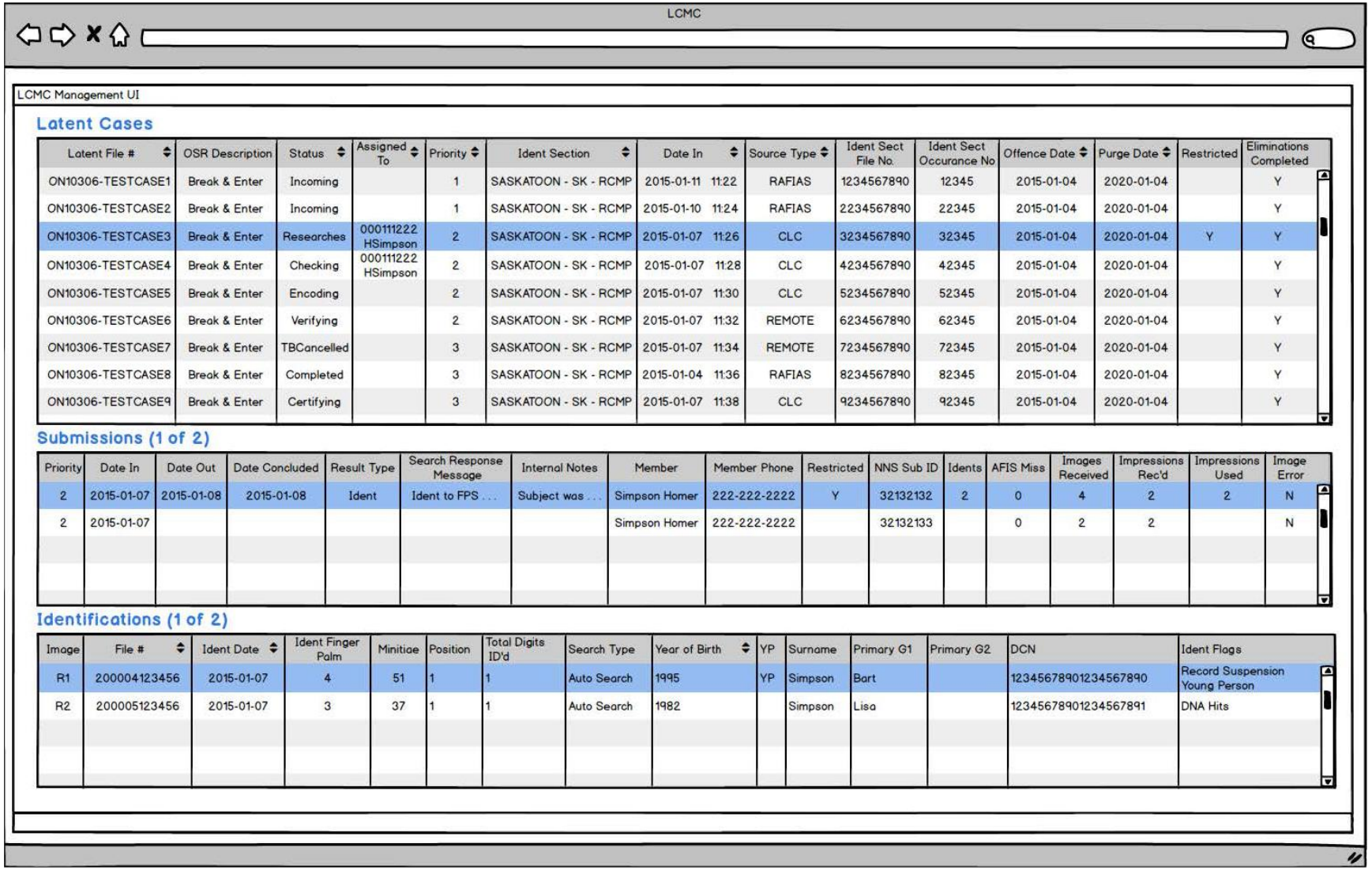

Figure 2: LCMC UI Main View

4. The following is a brief description of the three (3) windows of LCMC related data that the Contractor's solution must support. The implementation of the Contractor's LCMC solution will be completed in consultation with the RCMP to ensure the most effective and efficient use of the Contractor's LCMC solution is realized while fully supporting the LCMC requirements stated in this SOW and its accompanying documents.
    a. The first window in Figure 2: LCMC UI Main View must be populated based on the search criteria enter by the LCMC/AFIS user. The user must be able to use any field displayed within this first window as part of the search criteria;
    b. Figure 2: LCMC UI Main View shows a query on all cases (i.e. latent file #) for a contributor (e.g. ORI ON10306);
    c. The second window must be generated based on the selection in the first window. That is, all the submission received for the case selected by the user must be displayed (e.g. ON10306-TESTCASE3);
    d. The third window must be generated based on the selection in the second window. That is, all latent images that resulted in an identification received under the submission must be displayed (e.g. submission Id 32132132); and
    e. All three (3) windows must have scroll bars to allow additional data to be viewed that does not fit in the window.
5. All the data depicted in Figure 1: LCMC Search Criteria and Figure 2: LCMC UI Main View is data that must be presented and maintained by the LCMC/AFIS. Table 2 : LCMC Field Descriptions describe the data depicted in the screen mock ups.

LCMC Data Descriptions		
Field Name/Label	**Column Order**	**Description**
Latent Cases pane		
Default Sort – "Unassigned", Date In Descending – Default Filter – None		
Latent File #	1	The identifying number for the latent case. (Sortable) **[DB Source: Requests.DisplayLFONumber]**
OSR Code	2	The Crime Type code for the latent case. (Sortable) **[DB Source: Requests.OffenceTypeURI -> Offences.OSRCode]**
OSR Description	3	The Textual Description of the Crime Type Code. If the user hovers on the OSR Description, the LCMC must display the associated OSR code for this description. **[DB Source: Requests.OffenceTypeURI -> Offences.DescriptionE / Offences.DescriptionF]**

LCMC Data Descriptions		
Field Name/Label	**Column Order**	**Description**
Status	3	The status of the transaction in the work queue. Generally this value will be based on the processing state of the transactions. However, there are some circumstances where the status must be set manually by the LCMC/AFIS user. The following are manual status values that the LCMC/AFIS must allow the user to set: TBCanceleId – indicating that this case is to be cancelled; Research – indicating that this case is designated for further research (e.g. cold case). (Sortable) **[DB Source: New]**
Assigned To	4	The Authorized User that the latent case is assigned to. (Sortable) **[DB Source: New]**
Priority	6	The priority assigned to the latent case. (Sortable) **[DB Source: Requests.PriorityCode]**
Ident Sect #	7	The Agency Number of the Identification Section that submitted the latent case. **[DB Source: Requests.ContributorURI -> Contributor.ID]**
Ident Section	8	The Agency Number of the Identification Section that submitted the latent case. If the user hovers on the ident Section, the LCMC must display the associated Ident Section # for this description. **[DB Source: Requests.ContributorURI -> Contributor.DescriptionE / DescriptionF]**
Date In	9	The date that the first submission was received for the latent case. (Sortable) **[DB Source: Requests.Created]**
Source Type	10	The Source Type of the latent case. (Sortable) **[DB Source: Requests.SourceTypeURI -> Lookups (Source Type)]**
Ident Section File No	11	The File number provided by the Contributor Ident Section **[DB Source: Requests.ContributorFileNumber]**
Ident Section Occurrence No	12	The Occurrence Number provided by the Contributor Ident Section **[DB Source: Requests.OccurrenceNumber]**
Offence Date	13	The Offence Date of the crime. **[DB Source: Requests.OffenceDate]**
Purge Date	14	The Purge date for the case based on the Crime Type (OSR code) **[DB Source: Requests.PurgeDate]**
Restricted	15	Indicates whether the latent case has restricted access. **[DB Source: Requests.Restricted]**

LCMC Data Descriptions		
Field Name/Label	**Column Order**	**Description**
Eliminations Completed	16	Indicates whether any eliminations were completed by the contributor before sending in the latent case. **[DB Source: Requests.Eliminations]**
Submissions pane		
Default Sort – Submission Number Ascending – Default Filter – None		
Priority	1	The priority that the Contributor assigned to the submission. **[DB Source: Submissions.SubmissionPriority]**
Date In	2	The date that the Submission was received. **[DB Source: Submissions.DateIn]**
Date Out	3	The date that the Submission Search Result was posted. **[DB Source: Submissions.DateOut]**
Date Concluded	4	The date that processing was deemed to be concluded by Central Latent. **[DB Source: Submissions.ConclusionDate]**
Result Type	5	The Result of the Latent Search. **[DB Source: Submissions.ResultTypeURI -> Lookups (Result Type)]**
Search Response Message	6	Authorized User enters any text that they want to be included as part of the Search Response. **[DB Source: Submissions.CaptionText]**
Internal Notes	7	Authorized User enters any internal notes related to the Search Request. These are for internal use only and are not provided to the contributors. **[DB Source: Submissions.InternalNotes]**
Member	8	Populated with name of Member who contributed the Submission. **[DB Source: Submissions.ContributorMemberURI -> ContributorMembers.MemberName]**
Member Phone	9	Populated with phone number of Member who contributed the Submission. **[DB Source: Submissions.ContributorMemberURI -> ContributorMembers.VoicePhone]**
Restricted	10	Indicates whether the latent submission has restricted access. **[DB Source: Submissions.RestrictedSubmission**
NNS Sub ID	11	Generated by the NNS. **[DB Source: Submissions.nnsSubmission]**

LCMC Data Descriptions		
Field Name/Label	**Column Order**	**Description**
Identifications	12	This is entered by the user. This number signifies the # of Identification records existing for the submission. **[DB Source: Submissions.Idents]**
AFIS Miss	13	Entered by Authorized User. Records the number of times AFIS search failed to place candidate in a position that could be verified. **[DB Source: Submissions.AFISMiss]**
Impressions Rec'd	14	The number of Latent Impressions that were received with the submission. **[DB Source: Submissions.ImpressionsRcvd]**
Impressions Used	15	The number of Latent Impressions that were used to search. **[DB Source: Submissions.ImpressionsUsed]**
Image Error	16	Set by the NNS when one of the images received within the submission has an Image error. This does not stop the Image from being viewed in ELMO or processed through AFIS. **[DB Source: Submissions.imageError]**
Identifications pane		
Default Sort – Ident Number Ascending – Default Filter – None		
Image	1	Displays the Contributor supplied Image Name of the Image that was used for the Identification. **[DB Source: Idents.ImageURI -> RNumber]**
File #	2	File # that the submission identified to. This field may contain a FPS file number, a Refugee file number or an Immigration file number. **[DB Source: Idents.FPSID]**
Ident Date	3	The date that the identification was made on AFIS. **[DB Source: Idents.IdentDate]**
Ident Finger / Palm	4	The Finger / Palm that the Image was identified to on AFIS. Populated by the NNS after an Ident on AFIS or manually entered by Authorized User. **[DB Source: Idents.IdentFinger]**
Minutiae	5	The number of minutiae plotted on identified Latent Impressions. Populated by the NNS after an Ident on AFIS or manually entered by Authorized User. **[DB Source: Idents.Minutiae]**

LCMC Data Descriptions		
Field Name/Label	**Column Order**	**Description**
Position	6	Position of Identified candidate in AFIS Candidate List. Populated by the NNS after an Ident on AFIS or manually entered by Authorized User. **[DB Source: Idents.Position]**
Total Digits ID's	7	The number of certified impressions pertaining to the Identification. Only manually entered by Authorized User. **[DB Source: Idents.TotalDigitsIdentified]**
Search Type	8	The Search Type used to arrive at the Identification. See ELMO Field Values Table – Search Types. Populated by the NNS to "Auto Search" when certified using AFIS. Can be manually entered or modified by Authorized User **[DB Source: Idents.SearchTypeURI -> Lookups (Search Types)]**
Year of Birth	9	The Year of Birth of the person identified to. **[DB Source: Idents.YOB]**
YP	10	An indication of whether the Identification is to a Young Person. **[DB Source: Idents.YoungOffender]**
Surname	11	The Primary surname provided from the CPIC CRS. Populated by the NNS after an Ident on AFIS or manually entered by Authorized User. **[DB Source: Idents.PrimarySurname]**
Primary G1	12	The Primary first given name provided from the CPIC CRS. Populated by the NNS after an Ident on AFIS or manually entered by Authorized User. **[DB Source: Idents.PrimaryGivenName1]**
Primary G2	13	The Primary second given name provided from the CPIC CRS. Populated by the NNS after an Ident on AFIS or manually entered by Authorized User. **[DB Source: Idents.PrimaryGivenName2]**
DCN	14	The DCN of the AFIS record that was Identified to. Populated by the NNS after an Ident on AFIS or manually entered/modified by Authorized User **[DB Source: Idents.IDCNNumber]**

LCMC Data Descriptions		
Field Name/Label	**Column Order**	**Description**
Ident Flags	15	Displays any flags related to the Identified File. These may include any of the following: **Archive:** Identified File is Archived / Inactive. **[DB Source: Idents.Archive]** **Record Suspension:** Identified File is Record Suspended / Inactive **[DB Source: Idents.Pardon]** **Member:** Identified File is a RCMP Employee file. **[DB Source: Idents.Member]** **Refugee:** Identified file type is Refugee. **[DB Source: Idents.Refugee]** **CAR N:** Used to track when a CAR N submission idents to a Latent image. **[DB Source: Idents.CARN]** **Immigration Subject:** Identified file type is Immigration Subject **[DB Source: Idents.TempResident]** **Young Person:** Identified File is Open Criminal with Young Offender charges. **[DB Source: Idents.YoungOffender]** **No Convictions:** Identified File is Open Criminal with no Convictions **[DB Source: Idents.NoConvictions]** **No Disposition:** Identified File is Open Criminal with no Dispositions. **[DB Source: Idents.NoDisposition]** **DNA Hits:** Identified File is open criminal that has associated information form 3801 on file. **[DB Source: Idents.DNAHits]**

Table 2 : LCMC Field Descriptions

3.5.3 LCMC CASE MANAGEMENT ACTIVITY

1. Since LCMC is an integrated solution within the AFIS renewal solution, all appropriate (i.e. valid with the context of the state of the transaction) AFIS renewal solution capabilities must be available while viewing the LCMC/AFIS data within the LCMC UI. Some of these AFIS renewal solution capabilities are referred to within the LCMC requirements to explain how the latent technicians perform case management; however, that does not mean the available AFIS renewal solution capabilities are limited within the LCMC. For example, if a user in the LCMC UI wants to process a transaction in a WIP state in the queue from the LCMC UI, they must be able to. That is, whether the LCMC/AFIS user is viewing a transaction in the latent work queue or in the LCMC UI, they must be able to process the transaction.
2. The following list explains the typical case management activities that the LCMC UI user will perform. The requirements are not limited to these activities. The full functionality that must be provided for the LCMC is described throughout this SOW and its accompanying documents.
    a. The LCMC/AFIS user will enter query data to create a list of cases upon which they want to manage. Figure 1: LCMC Search Criteria depicts the minimum fields that must available to create the search criteria.
    b. The LCMC/AFIS user must be able to re-query at any time, by clicking a query button or right mouse click within the first window and select query or some similar user friendly method. This re-query must refresh the data in all three windows.
    c. The LCMC/AFIS user must be able to view transaction log data of all activities/actions on the latent file number using a right mouse click or similar method. This must be the same or similar to the data displayed under the Transaction Log reports in the AFIS renewal solution (Annex B). This view must use the events/activities identified in the AFIS renewal solution requirements. That is, the presentation for the LCMC/AFIS user may be different than the reporting requirements; however, the data and event/activity names used by this view and the reporting requirements must be the same.
    d. The LCMC/AFIS user will select a specific case from the query generated in the first window, which will populate the fields in the second window (“Submissions”) which must include at least the data identified in Figure 2: LCMC UI Main View.
    e. The LCMC/AFIS must be able to perform any available AFIS renewal solution capabilities on a submission through button, a right mouse click and select, or similar method. The following are two examples of what must be supported:
        i. View NIST packet to see all data in the NIST packet using the AFIS renewal solution NIST packet viewer;
        ii. View images, including object shots and latent impressions. Figure 3: View Case Images depicts an example of what is expected from this view images display, which includes image details presented in the AFIS renewal solution as well as thumbnail images. If the LCMC/AFIS user selects view images from the Latent Cases window then they would see thumbnail images of all images for the case. If the user selects view images from the Submissions window then they would see thumbnail images of all images for the submission.

iii. If an image is selected by the user, while viewing these images, the image selected must be displayed in the same manner as if it was selected in the AFIS renewal solution. All capabilities, features and image adjustments available in the AFIS renewal solution while viewing an image must be available for the LCMC/AFIS user using the view images capability (e.g. rotate, zoom, crop, minutia on/off, etc). Refer to Annex B for all capabilities that must be available when working on an image; and

iv. Post a response message to the contributor for a particular submission. Responses are associated with a submission.

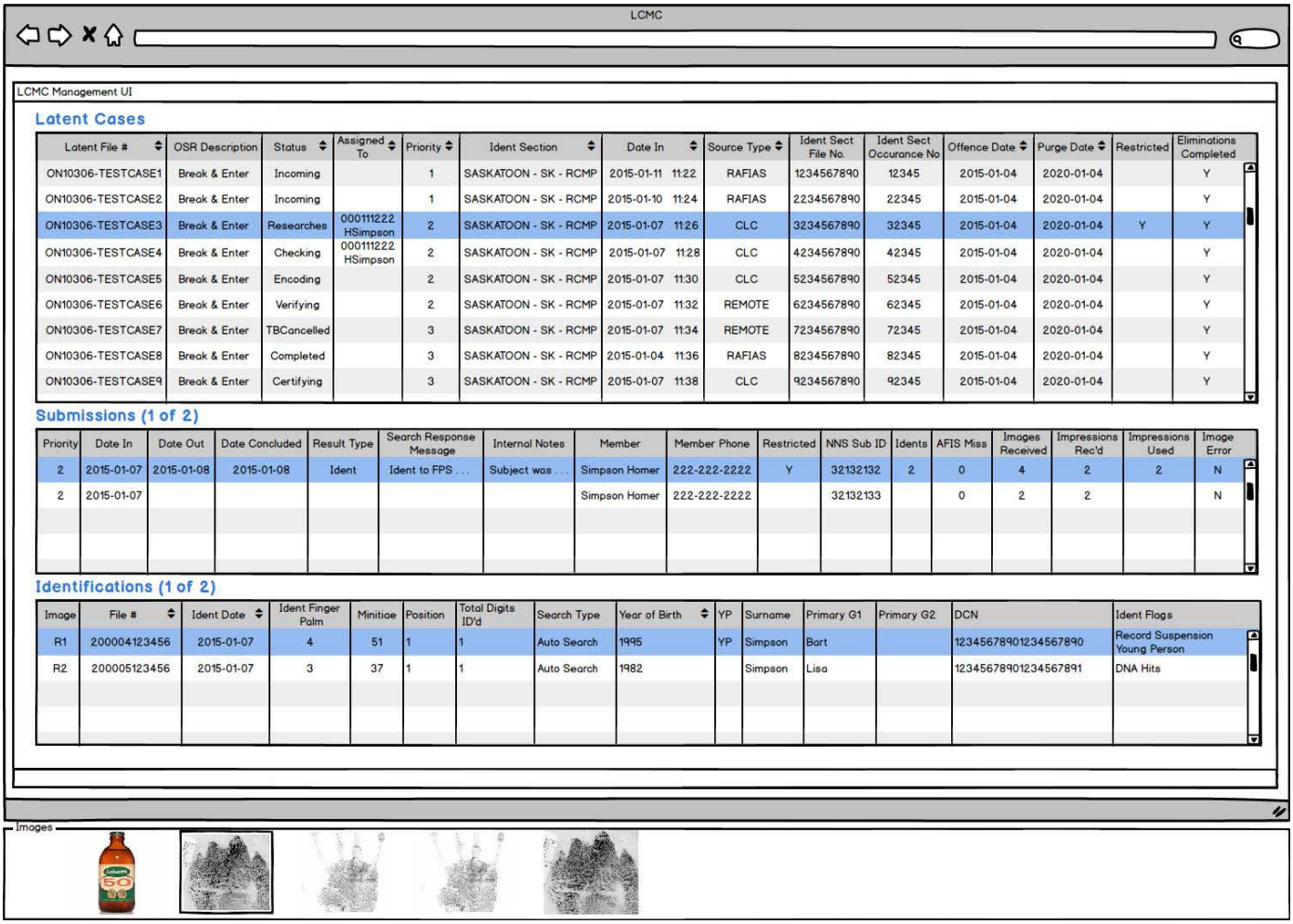

Figure 3: View Case Images

f. The LCMC/AFIS user will select a specific submission from the second window, which will populate the fields in the third window ("Identification") which must include at least the data identified in Figure 2: LCMC UI Main View.

g. The LCMC/AFIS must be able to perform any available AFIS renewal solution capabilities on a latent image through a button or a right mouse click and select or similar method. The following are a few examples of what must be supported:

   i. View image, which must use the AFIS renewal solution view image UI which allows the user to perform all image capabilities. All capabilities, features and image adjustments available in the AFIS renewal solution while viewing an image must be available for the LCMC/AFIS user using the view images capability (e.g. rotate, zoom, crop, minutia on/off, etc);

   ii. Select side-by-side comparison, which must use the AFIS renewal solution search feature to find the image that which the LCMC/AFIS user want to compare against;

   iii. View type-16 ident screen captured when the user indicating yes to the ident;

   iv. View “Ident to File number” data, which must allow all the data available on the file to be viewed (e.g. for a TP file ident data such as name, date of birth, sex, DCN);

   v. View transaction log of all activities/actions on the latent image. This must be the same or similar to the data displayed under the Transaction Log reports in the AFIS renewal solution (Annex B). This view must use the events/activities identified in the AFIS renewal solution requirements. That is, the presentation for the LCMC/AFIS user may be different than the reporting requirements; however, the data and event/activity names used by this view and the reporting requirements must be the same; and

   vi. Note: The LCMC/AFIS user must also be able to post a response message after a latent fingerprint technician finishes processing a transaction selected through the work queue using processing available in the AFIS renewal solution. That is, this post a response function must be available to the user wherever applicable during LCMC or AFIS renewal solution processing.

3. The LCMC/AFIS user must be able to post a response message to the contributor any time after processing at least one latent image associated with a submission.

4. LCMC/AFIS will store the Latent Search Response details so that it is available for Contributors to view using Central Latent Client (CLC). This will be part of the database view which will be used by NNS; and

5. LCMC/AFIS will send a SRMI to NNS, which NNS will use to send a Notification Email to the Latent Search Request Contributing Member and the Contributors prime Email address (i.e. normally the members’ supervisor). This will be an alert email indicating that the Contributor should use CLC to view the latest results on the latent search request. The results can only be viewed through a secure connection which CLC provides.

3.5.4 LCMC ADDITIONAL CASE INFORMATION

1. The LCMC must allow additional information to be viewed and maintained (i.e. normally expected Change, Read, Update & Delete (CRUD) functions) which is not on the LCMC UI Main View. This information must include all other data available related to the case. Refer to Figure 4: Additional Case Information for a screen mock-up of the minimum data that must be available. This information must be available through a right mouse click and select or button user friendly method. Table 3 : Additional Case Data Field Descriptions provides a description of each field.
2. The LCMC must provide a UI to maintain the additional case data associated with a latent contributor. Any fields that can be modified from the data converted from ELMO into LCMC or specific fields received through LFSNSI must be modifiable by the LCMC/AFIS user. The specific fields that can be modified will be determined through consultation between the Contractor and the RCMP.

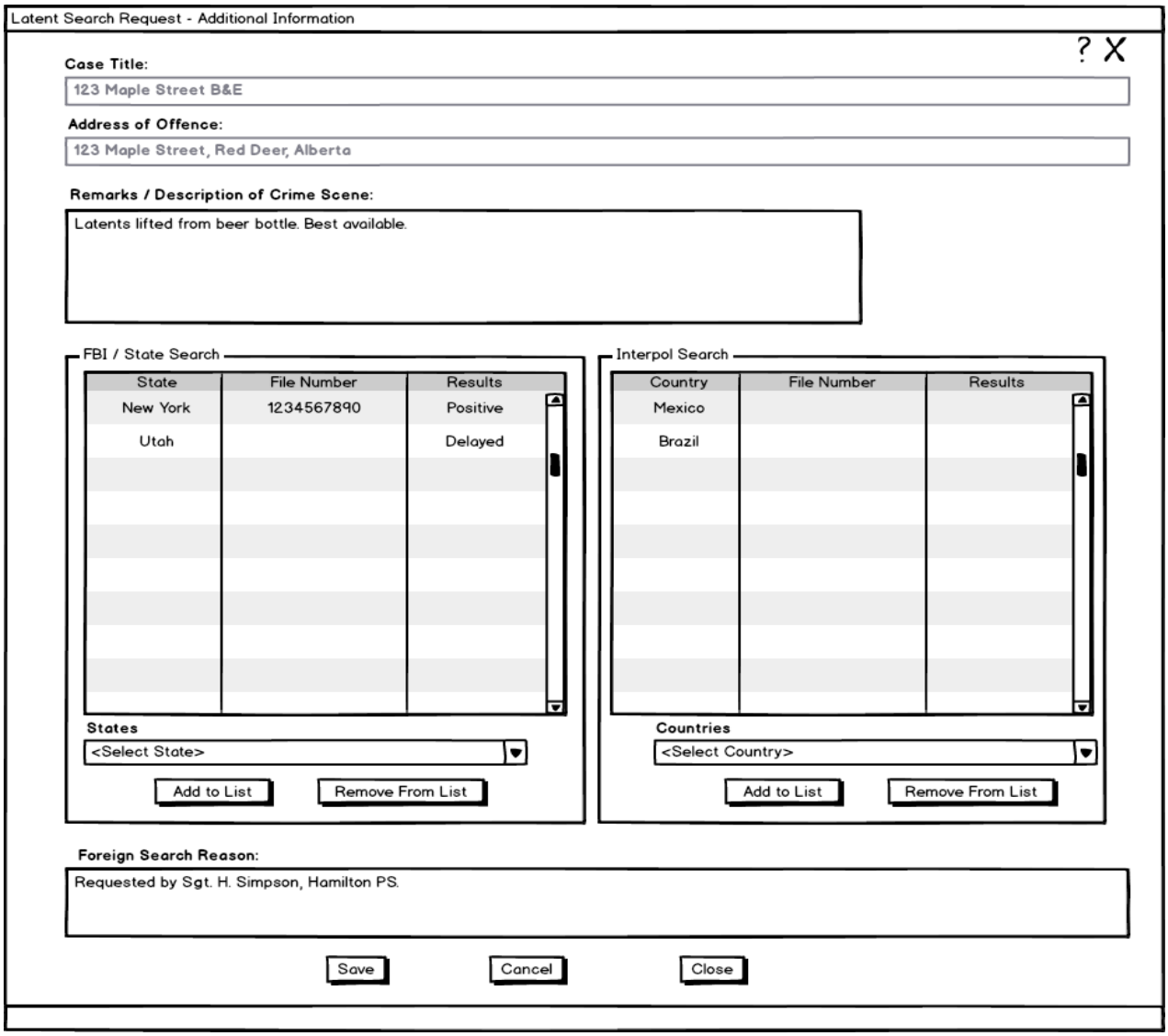

Figure 4: Additional Case Information

LCMC – Additional Information UI						
Field Name/Label	**Type**	**M/O/C**	**ANSD**	**Length**		**Description**
				Min	**Max**	
LCMC – Additional Information UI						
Case Title	Text	M	ANS	1	50	Contributor supplied Case Title. **[DB Source: Requests.CaseTitle]**
Address of Offence	Text	M	AN	1	150	Contributor supplied Address of Offence. **[DB Source: Requests.OffenceAddress]**
Remarks / Descriptor of Crime Scene	Text	M	ANS	1	2000	Contributor supplied Remarks & Crime Scene Description. **[DB Source: Requests.Remarks]**
States	Drop Down Selection	O	D	10	10	State of foreign search. Chosen by Authorized User. Choosing a state from the drop down list will enable the “Add to List button in the FBI / State Search pane. When a state is selected and the “Add to List” button is pressed LCMC will add a new row, with the chosen state populated, to the FBI / State Search pane list. **[DB Source: InterpolSearchs .StateCodeURI -> Lookups (States)]**
Countries	Drop Down Selection	O	N	12	12	Country of foreign search. Chosen by Authorized User. Choosing a country from the drop down list will enable the “Add to List button in the Interpol Search pane. When a country is selected and the “Add to List” button is pressed LCMC will add a new row, with the chosen country populated, to the Interpol Search pane list. **[DB Source: InterpolSearchs .CountryCodeURI -> Lookups (Countries)]**
Foreign Search Reason	Text Box	O	ANS	0	500	Entered by Authorized User. **[DB Source: Requests.ForeignSearchReason]**
Navigation						

LCMC – Additional Information UI						
Field Name/Label	**Type**	**M/O/C**	**ANSD**	**Length**		**Description**
				Min	**Max**	
Add to List (FBI / State Search pane)	Button					Enabled when a state is chosen in the States Drop Down Selection. LCMC will add a new row, with the chosen state populated, to the FBI / State Search pane list when this button is clicked.
Remove from List (FBI / State Search pane)	Button					Enabled when a row in the FBI / State Search pane list is selected. LCMC will delete the row when this button is clicked.
Add to List (Interpol Search pane)	Button					Enabled when a country is chosen in the Countries Drop Down Selection. LCMC will add a new row, with the chosen country populated, to Interpol Search pane list when this button is clicked.
Remove from List (Interpol Search pane)	Button					Enabled when a row in the Interpol Search pane list is selected. LCMC will delete the row when this button is clicked.
Save	Button					Saves any changes made in the Additional Information Window.
Cancel	Button					Cancels any changes made in the Additional Information Window.
Close	Button					Closes the Additional Information Window. User should be prompted if changes have been made but not saved.

LCMC – Additional Information UI - Lists							
Field Name/Label	**Column Order**	**Type**	**MOC**	**ANSD**	**LENGTH**		**Description**
					Min	**Max**	
FBI / State Search pane							
Default Sort – As entered – Default Filter – None							

LCMC – Additional Information UI - Lists							
Field Name/Label	**Column Order**	**Type**	**MOC**	**ANSD**	**LENGTH**		**Description**
					Min	**Max**	
State	1	Display					**[DB Source: StateSearchs .StateCodeURI -> Lookups (States)]**
File Number	2	Text	O	ANS	0	50	Note that the Authorized User is allowed to modify this cell in the UI. **[DB Source: StateSearchs .FileNumber].**
Results	3	Text	O	ANS	0	3	Note that the Authorized User is allowed to modify this cell in the UI. **[DB Source: StateSearchs .Result]**
Interpol Search pane							
Default Sort – As entered – Default Filter – None							
Country	1	Display					**[DB Source: InterpolSearchs .CountryCodeURI -> Lookups (Countries)]**
File Number	2	Text	O	ANS	0	19	Note that the Authorized User is allowed to modify this cell in the UI. **[DB Source: InterpolSearchs .FileNumber]**
Results	3	Text	O	ANS	0	9	Note that the Authorized User is allowed to modify this cell in the UI. **[DB Source: InterpolSearchs .Result]**

Table 3 : Additional Case Data Field Descriptions

3.5.5 2540 FORM

1. The LCMC must be able to print a 2540 form (Figure 5: RCMP 2540 Form). The 2540 is currently used to assign work to individual latent fingerprint technicians or respond to an agency that does not have electronic response capabilities. The forms are printed and stored in a basket for unassigned work. The latent fingerprint technician will retrieve a 2540 from this basket and then select the transaction to work on under this case. This is the current method which will be examined as part of the analysis portion of the LCMC implementation to ensure requirements of the latent group are satisfied. There may be a transition period before moving to a fully electronic method of assigning work to latent fingerprint technicians.

Royal Canadian Mounted Police / Gendarmie royale du Canada

LFN: NK10151-2015949944-01

LATENT FINGERPRINT SEARCH REQUEST

NOTE:
1 All submissions must be photographed 1:1 showing maximum detail and a clearly visible scale.
2 Provide an overall close-up image or sketch showing accompanying digits and placement on exhibit for digit determining. Digital latent images must be saved in TIFF format with a minimum resolution of 1000 pixels per inch.
3 Forward submission to: Director General
Canadian Criminal Real Time Identification Services
RCMP HQ, NPS Bldg.
1200 Vanier Parkway
Ottawa ON K1A 0R2
Attn: Latent Fingerprint Operations

Occurrence no.	Ident. file no.	Eliminations completed
	2015949944	☐ Yes ☑ No

Type of offence and when it occurred	Date	Sex of suspect
AB33 THEFT UNDER $5000	**2015/07/30**	☐ Male ☐ Female ☑ Unknown

Address where offence occurred	Case title
UNKNOWN MONCTON NEW BRUNSWICK	**THEFT**

Probable digits
R1 - 0 0 0 0 0 0
R2 - 0 0 0 0 0 0

Remarks / description of crime scene
Contributor: Please contact us by e-mail at Latent_Fpops@rcmp-grc.gc.ca regarding identified, canceled or concluded files. Include updated information (ie. FPS#, name, DOB, identified to, etc.).
THEFT FROM VEHICLE

From (Ident. section)	Division	Ident. specialist name	Telephone no.	Date
MONCTON - NB - RCMP	**123**	**Cpl. Stephen Campbell**	**506-851-6181**	**2015-07-31**

RCMP GRC 2540e (2012-12)

Canada

Figure 5: RCMP 2540 Form

3.5.6 CONTRIBUTOR ADDRESS BOOK

1. The LCMC must allow the contributor address book to be maintained through a UI (i.e. CRUD). The Contractor's LCMC solution must allow the LCMC/AFIS user to query and filter on any field in the contributor address book to easily find entries that require an update. Figure 6: Contributor Address Book identifies the fields that must be manageable through this UI. Table 4 : Contributor Address Book Field Descriptions provides a description of each field.
2. This contributor address book information must be easily accessible by the user with a button or right mouse click method.
3. Any fields that can be modified from the data converted from ELMO into LCMC, or specific fields received through LFSNSI that are allowed to be modified, must be modifiable by the LCMC/AFIS user. The specific fields that can be modified will be determined through consultation between the Contractor and the RCMP.

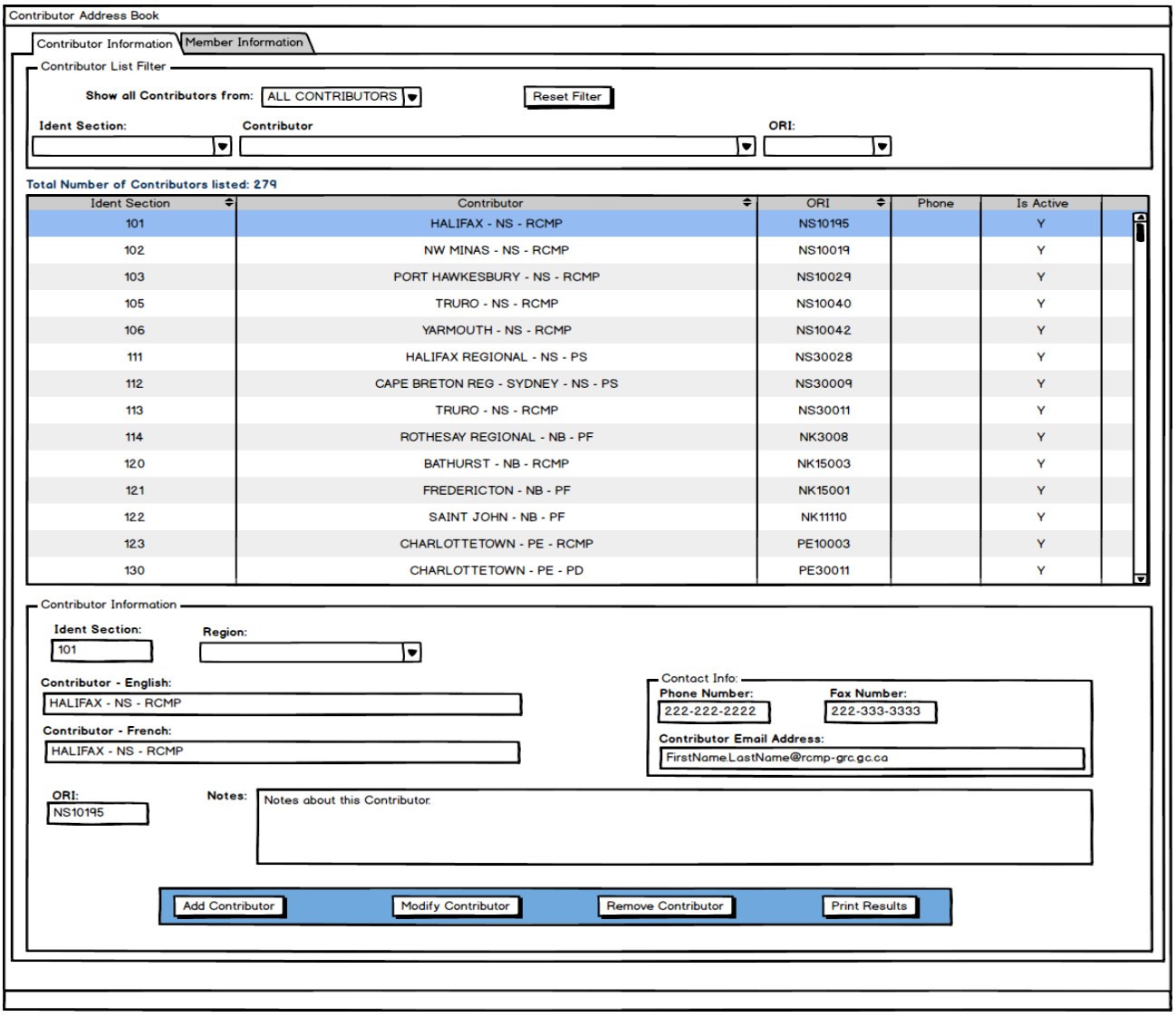

Figure 6: Contributor Address Book

Contributor Address Book – Contributor Information Tab Details						
Field Name/Label	**Type**	**M/O/C**	**ANSD**	**Length**		**Description**
				Min	**Max**	
Contributor Address Book – Contributor Information UI – Contributor List Filter pane						
Show all Contributors from	Drop Down	M	ANS	0	50	Used to filter Contributor List by Region. Defaulted to “ALL CONTRIBUTORS” **[DB Source: Contributors.ContributorRegionsURI -> ContributorRegions.DescriptionE or ContributorRegions.DescriptionF]**
Ident Section	Drop Down	O	N	0	4	Used to filter the Contributor to the Ident Section Number selected. **[DB Source: Contributors.ID]**
Ident Section description	Drop Down	O	ANS	0	50	Used to filter the Contributor to the Ident Section Name selected. **[DB Source: Contributors.DescriptionE or Contributors.DescriptionF]**
ORI	Check Box	O	AN	0	7	Used to filter the Contributor to the ORI selected. **[DB Source: Contributors.rtidORI]**
Contributor Address Book – Contributor Information UI – Contributor Information pane						
Ident Section	Text	M	N	0	4	The Ident Section Number for the contributor. **[DB Source: Contributors.ID]**
Region	Drop Down	M	ANS	0	50	The Region that the Contributor belongs to. **[DB Source: Contributors.ContributorRegionsURI -> ContributorRegions.DescriptionE or ContributorRegions.DescriptionF]**
Contributor - English	Text Box	M	ANS	0	50	The Contributors English name. **[DB Source: Contributors.DescriptionE]**
Contributor - French	Text Box	M	ANS	0	50	The Contributors French name. **[DB Source: Contributors.DescriptionF]**

Contributor Address Book – Contributor Information Tab Details						
Field Name/Label	**Type**	**M/O/C**	**ANSD**	**Length**		**Description**
				Min	**Max**	
ORI	Text Box	M	ANS	0	24	The Contributors ORI. **[DB Source: Contributors.DescriptionF]**
Phone Number	Text Box	O	NS	0	14	The Contributors Phone Number. **[DB Source: Contributors.Phone]**
Fax Number	Text Box	O	NS	0	14	The Contributors FAX Number. **[DB Source: Contributors.Fax]**
Contributor Email Address	Text Box	M	ANS	1	100	The Contributors (Supervisors) Email Address. **[DB Source: Contributors.Email]**
Notes	Text Box	O	ANS	0	500	Notes regarding the Contributor. **[DB Source: Contributors.Email]**
Navigation						
Add Contributor	Button					Allows the Authorized User to add a new Contributor record.
Modify Contributor	Button					Allows the Authorized User to modify a Contributor record.
Remove Contributor	Button					Allows the Authorized User to remove a Contributor record.
Clear Fields	Button					Allows the Authorized User to clear the information entered in the Contributor Information pane.
Print Results	Button					Allows the Authorized User to print a Contributor report for the selected Contributor..
Close	Button					Closes the Contributor Address Book UI

Contributor Address Book – Contributor Information Tab - List		
Field Name/Label	**Column Order**	**Description**
Contributor List Filter pane		

Contributor Address Book – Contributor Information Tab - List		
Field Name/Label	**Column Order**	**Description**
Default Sort – Ident Section Ascending – Default Filter – None		
Ident Section	1	The Ident Section of the Contributor. **[DB Source: Contributors.ID]**
Contributor	2	The Contributors name. **[DB Source: Contributors.DescriptionE or Contributors.DescriptionF]**
ORI	3	The Contributors ORI. **[DB Source: Contributors.rtidORI]**
Phone	4	The Contributors (Supervisors) Phone Number. **[DB Source: Contributors.Phone]**
IsActive	5	Indicates whether the Contributor is active or not. This value may be modified by an Authorized User. **[DB Source: Contributors.IsActive]**

Table 4 : Contributor Address Book Field Descriptions

4. The LCMC must allow the contributor address book member information to be maintained (i.e. CRUD). Figure 7: Contributor Address Book Member Information identifies the fields that must be manageable through this UI. Table 5 : Member Information Field Descriptions provides a description of each field.

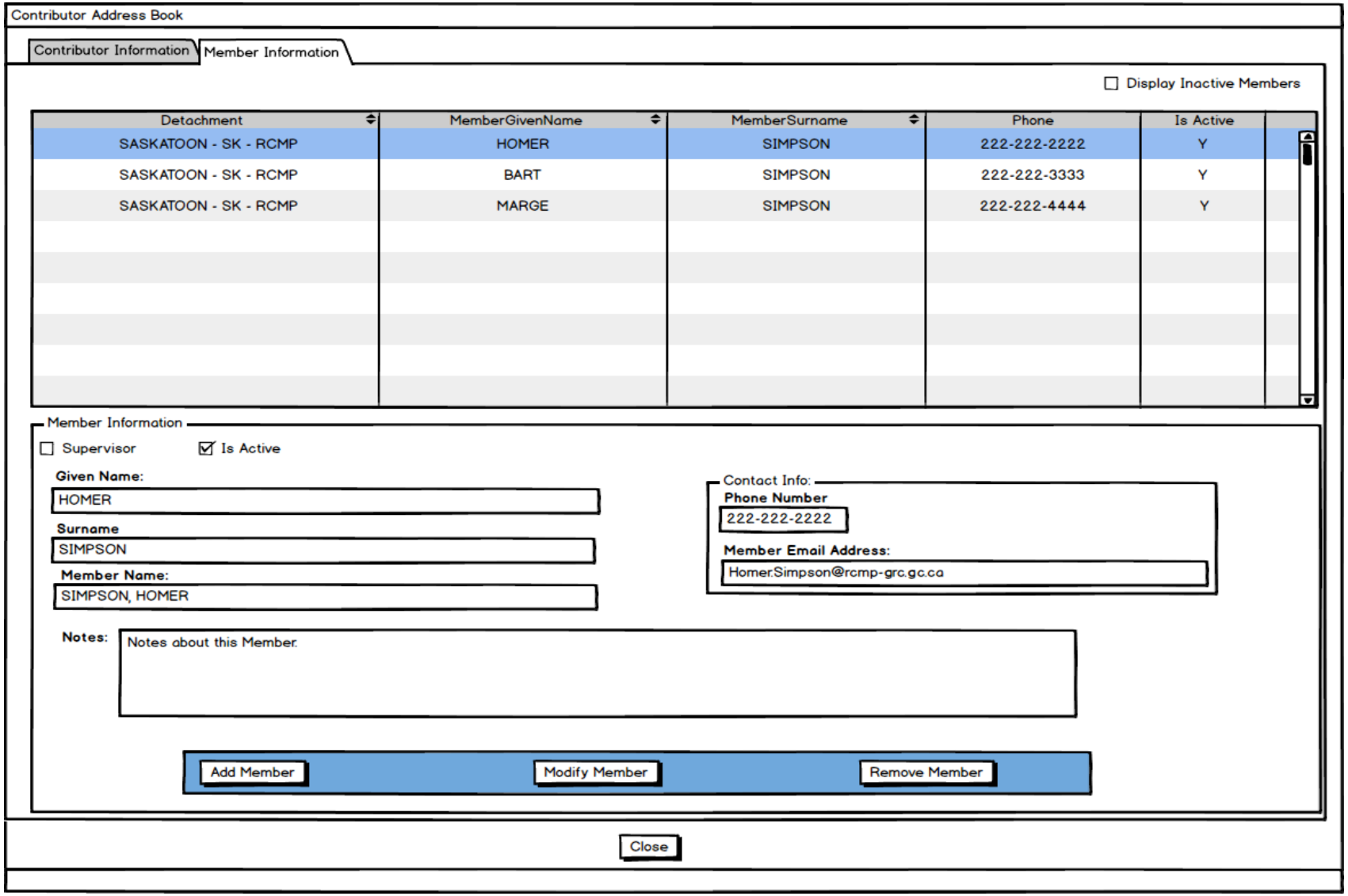

Figure 7: Contributor Address Book Member Information

Contributor Address Book – Member Information Tab Details						
Field Name/Label	**Type**	**M/O/C**	**ANSD**	**Length**		**Description**
				Min	**Max**	
Contributor Address Book – Contributor Information UI – Member Information pane						
Supervisor	Check Box	M	N	0	4	Indicates that the Member is a Supervisor. **[DB Source: ContributorMembers.isSupervisor]**
Given Name	Text Box	M	ANS	1	95	The Members Given Name. **[DB Source: ContributorMembers.MemberGivenName]**
Surname	Text Box	M	ANS	1	95	The Members Surname. **[DB Source: ContributorMembers.MemberSurname]**
Member Name	Display	M	ANS	1	200	The Members name derived by system as Surname, GivenName **[DB Source: ContributorMembers.MemberName]**
Phone Number	Text Box	M	NS	0	30	The Members Phone Number. **[DB Source: ContributorMembers.VoicePhone]**
Member Email Address	Text Box	M	ANS	0	100	The Members Email Address. **[DB Source: ContributorMembers.Email]**
RAFIAS User ID	Text Box	M	ANS	0	50	The Members User ID. With the implementation of CLC this field will contain a HRMIS ID / Enum. **[DB Source: ContributorMembers.RafiasUserId]**
Notes	Text Box	O	ANS	0	500	Notes regarding the Contributor. **[DB Source: ContributorMembers.Notes]**
Navigation						
Add Member	Button					Allows the Authorized User to add a new Member record.
Modify Member	Button					Allows the Authorized User to modify a Member record.
Remove Member	Button					Allows the Authorized User to remove a Member record.

Contributor Address Book – Member Information Tab Details						
Field Name/Label	**Type**	**M/O/C**	**ANSD**	**Length**		**Description**
				Min	**Max**	
Clear Fields	Button					Allows the Authorized User to clear the information entered in the Member Information pane.
Close	Button					Closes the Contributor Address Book UI

Contributor Address Book – Member Information Tab - List		
Field Name/Label	**Column Order**	**Description**
Member Information List		
Default Sort – None – Default Filter – None		
Detachment	1	The Mambers Contributor Name. **[DB Source: ContributorMembers.ContributorURI -> Contributors.DescriptionE / Contributors.DescriptionF]**
MemberGivenName	2	The Members Given name. **[DB Source: ContributorMembers.MemberGivenName]**
MemberSurname	3	The Members Surname. **[DB Source: ContributorMembers.MemberSurname]**
Phone	4	The Members Phone Number. **[DB Source: ContributorMembers.VoicePhone]**
IsActive	5	Indicates whether the Member is active or not. This value may be modified in the grid by an Authorized User. **[DB Source: ContributorMembers.isActive]**

Table 5 : Member Information Field Descriptions

4. LCMC DATABASE VIEW

4.1 LCMC/AFIS CLC DATABASE VIEW DETAILS

1. The LCMC/AFIS must provide a database view that allows the NNS to support the CLC user with the timely displayed of a limited set of data. These views are documented to the current ELMO database table and fields. The LCMC solution must provide database views that enable access to the equivalent data in the LCMC/AFIS database. Refer to section 5 for details concerning these fields.

Source Table Name.Column Name	Target Table Name.Column Name	Notes
Central Latent Client - Main Screen		
(Contributor Drop Down)	Contributors.ContributorURI (PK) Contributors.ID Contributors.DescriptionE Contributors.DescriptionF Contributors.IsActive	Request to retrieve list of Contributors available to Internal Users who are acting on-behalf-of a Contributor.
(Member Drop Down) ContributorsURI	ContributorMembers.ContributorURI (PK) ContributorMembers.ID ContributorMembers.DescriptionE ContributorMembers.DescriptionF ContributorMembers.IsActive	Request to retrieve a list of Members that belong to a contributor for filtering.
(Contributor) Requests.ContributorURI (Mandatory) (Member) Requests.ContributorMemberURI (Optional) (From Date) Requests.Created (Mandatory) (To Date) Requests.Created (Mandatory)	Requests.RequestURI (PK) Requests.ContributorFileNumber Requests.CaseTitle Requests.OffenceDate Requests.Created LatentSearchResponse.Created	Request to retrieve the data to populate the Latent Search Request (Latent Case) list.
Central Latent Client – View Latent Case Screen		
Requests.RequestURI (PK)	Requests.ContributorFileNumber Requests.CaseTitle Requests.OffenceDate Requests.PriorityCode Requests.SexURI->Lookups(Sex) Requests.OffenceURI->Offences.OSRCode Requests.OffenceAddress Requests.Remarks Images.RNumber Images.ImageFile (access to the actual image)	Request to retrieve the data to populate the CLC Latent Search Request – View Screen.

Table 6 : LCMC/AFIS CLC Database View

5. ELMO DATABASE CONVERSION

5.1 ELMO DATABASE BACKGROUND

1. This section provides a complete description of the current ELMO database as of May, 2015. ELMO was developed by the RCMP in 2002. At that time all Latent Search Requests were manually entered into ELMO. In 2009 RTID became part of the overall Central Latent Process. The NNS received Latent Submissions (LFS) from RAFIAS workstations, transformed them into an internal Latent packet (LFSNS) and directly populated the ELMO database with the received data. In 2015, the RCMP replaced the RAFIAS functionality with the Central Latent Client (CLC) application on the NNS. The NNS generates an Internal Packet (LFSNS) from the Latent Search Request data entered into CLC and directly populates the ELMO database with it.
2. Wherever possible, the RCMP will attempt to cleanse the data within the ELMO database before it is provided for conversion to the winning bidder.

5.2 ELMO DATABASE CONVERSION DETAILS

1. Figure 5-1: ELMO DATABASE Tables diagrams the high-level relationships between the ELMO Database Tables (i.e. ELMO schema).
2. Table 7 : ELMO Database Tables identifies the current ELMO Database tables and provides a brief description of what they are used for. Tables not requiring migration to the LCMC solution are identified here.
3. Additionally each individual ELMO Database Table that is required to be migrated is described. Each individual table column documents its data type, data source, associated ELMO Code table and whether the field is required to be migrated to the LCMC solution.
4. ELMO data has been identified herein as being required in LCMC. This conversion of ELMO data into a form usable in LCMC/AFIS will be completed in consultation with the RCMP.
5. The Contractor must produce reports for any discrepancies found in the ELMO data during the conversion process. These reports will include but not be limited to the following:
    a. Database field data that does not match the expected data type in type
    b. Database field data that does not match the expected data type in size
    c. Database field data that does not match the mandatory requirement
    d. Database field data that does not align to code table entry
    e. Tables with Foreign Keys that do not align to Primary Keys in the associated tables

5.2.1 ELMO SCHEMA

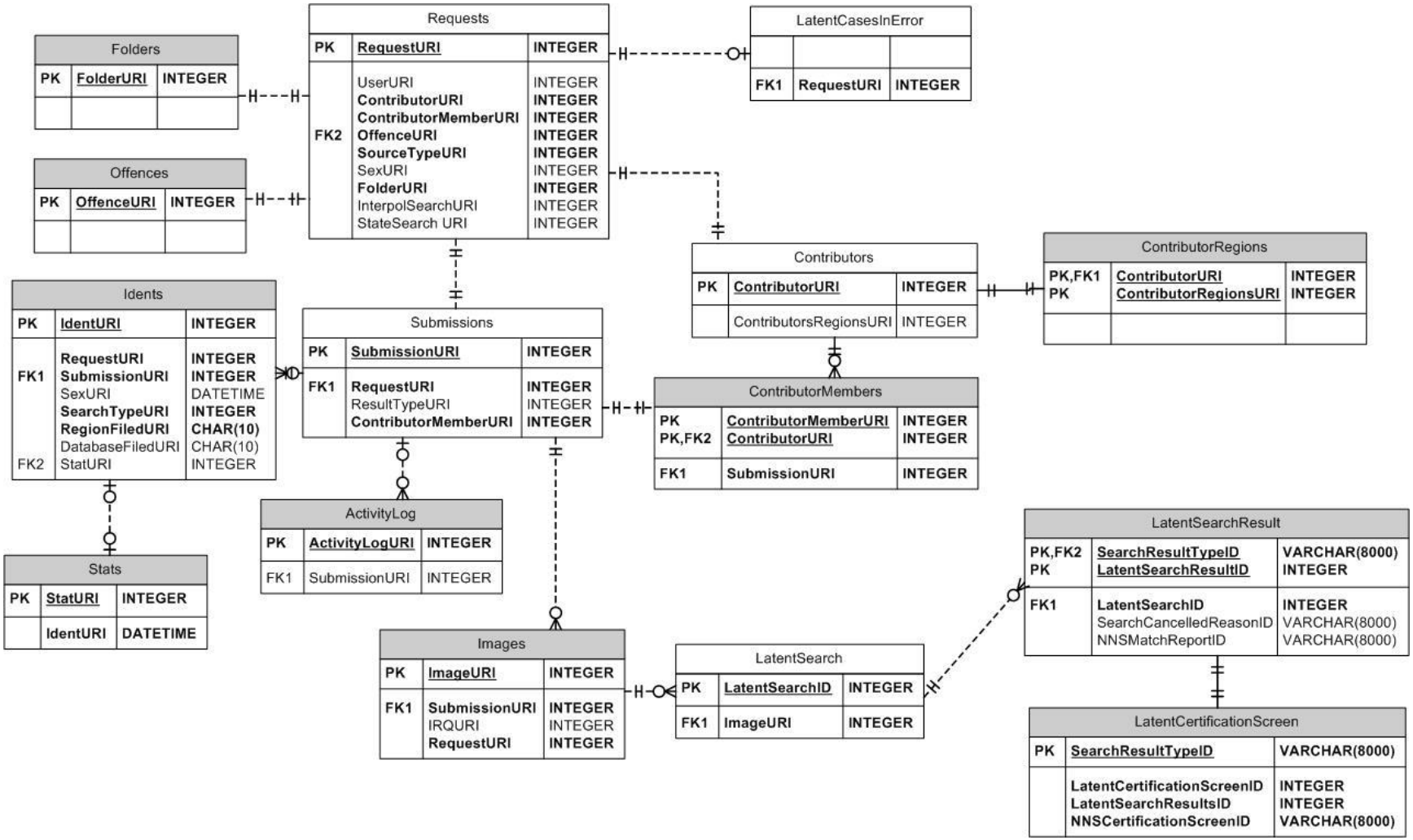

Figure 5-1: ELMO DATABASE Tables

5.2.2 ELMO DATABASE – TABLES OVERVIEW

ELMO Database - Tables Overview					
Table Name	**Migrate to LCMC?**	**Type**	**Record Counts**	**Last Used**	**Notes**
CARCasesInError (view)	No		60	2005-04-04	No longer used
ActivityLog	No		3,383,429		Contains list of Latent Request Activities. It will be the responsibility of the RCMP to store the Activity Log information so that Central Latent Analysts can access.
AIMSMessageNumbers	No		2	2003-07-07	No longer used
AIMSMessages	No		6	2001-12-21	No longer used
Alias	No		146	2008-12-24	No longer used
CAR	No		939	2009-01-07	No longer used
CARFBI	No		334	2009-01-07	No longer used
ContributorMembers	Yes		2,428		Stores Contributor Member information
ContributorRegions	No	Code Table	9		Code table that breaks down Contributors into RCMP Regions. No longer used.
Contributors	Yes		290		Stores Contributor information
Folders	No		28		Identifies current work queue of Latent Search Requests. These will become Work Queues in the LCMC solution.
Idents	Yes		38,457		Stores Identification Information
Images	Yes		288,786		Stores information on Images received
InterpolSearchs	Yes		39	2013-12-03	Used to store manually entered Interpol Search request/result information.
IRQ	No		5,519	2009-01-08	No longer used
LFONumbers	No		21	2001-12-21	No longer used

ELMO Database - Tables Overview					
Table Name	**Migrate to LCMC?**	**Type**	**Record Counts**	**Last Used**	**Notes**
Lookups	Yes	Code Tables	414		Code Tables for ELMO drop down lists. LCMC will migrate these values as necessary.
LSR	No		0		No longer used
MemberPrefixes	No	Code Table	14		Code table storing Member titles (eg. Sgt.). Remove functionality - Too difficult to maintain.
Messages	Yes		12		Stores messages that are used to create Email Search Responses.
NISTNumbers	No		2	2001-12-21	No longer used
Offences	Yes	Code Table	47		Code table storing OSR Codes
RegionsFiled	No		10		Stores the Region that the Latent print is filed under in AFIS. No longer used.
Reports	No		20		Stores information used for reports. Functionality provided by AFIS solution.
Requests	Yes		87,240		Stores Latent Request information
RiLog	No		712,005	2009-01-09	No longer used
Search	No		55		Stores ad-hoc search details. Functionality provided by AFIS solution.
SearchExpressionDetails	No		141		Stores ad-hoc search details. Functionality provided by AFIS solution.
SearchExpressions	No		50		Stores ad-hoc search details. Functionality provided by AFIS solution.
SearchReports	No		137		Stores ad-hoc search details. Functionality provided by AFIS solution.
SRE	No		908	2009-01-07	No longer used
StateSearchs	Yes		429	2015-01-12	Used to record State search manual requests and results.
Stats	Yes		38,463		Stores stats on Identifications. This table is the source data for “Record 41 of 43 for month of May. Running annual total is 177” in the Latent Search Request Management – Latent Search Request Details - Identification pane.

ELMO Database - Tables Overview					
Table Name	**Migrate to LCMC?**	**Type**	**Record Counts**	**Last Used**	**Notes**
Submissions	Yes		94,875		Store Latent Submission information
Transactions	No		35,228	2015-05-28	Temporary table used by developers as a debugging tool.
Users	Yes		119		Stores ELMO User information. Migrated to LCMC / AFIS to retain historical user information.
WorksheetCases	No		431,803	2013-07-23	No longer used
Worksheets	No		48,723	2015-04-28	No longer used
days	No	Code Table	7		Used for a test – No longer used
Disposition	No		0		No longer used
DNAJournal	No		0		No longer used
dtproperties	No	Code Table	21		Note from Blaine: Can find no reference to the Transactions table in the code or the stored procedures. Likewise for NNS_EVENT. There are a couple stored procedures related to dtproperties, but I don't see any code using them.
effort (View)	No	View	139	-none-	
hours	Yes	Code Table	24		Used for a test – No longer used
LatentCases (view)	No	View	28,641	2009-01-09	
LatentCasesInError (View)	No	View	18,077	2009-01-09	
LatentCertificationScreen	Yes		20,591		Stores the information regarding the AFIS Latent Certification screen capture for Identifications. It will be the responsibility of the RCMP to store the LatentCertificationScreen information so that Central Latent Analysts can access.
LatentSearch	No		88,055		Stores information on Latent Searches launched from AFIS. It will be the responsibility of the RCMP to store the LatentSearch information so that Central Latent Analysts can access.

ELMO Database - Tables Overview					
Table Name	**Migrate to LCMC?**	**Type**	**Record Counts**	**Last Used**	**Notes**
LatentSearchResponse	Yes		**0**		New table implemented to store CLC Search Response messages. Contributors will use CLC to view these Search Responses.
LatentSearchResult	Yes		**363,093**		Stores information on the results of Latent Searches launched from AFIS. It will be the responsibility of the RCMP to store the LatentSearchResult information so that Central Latent Analysts can access.
NNS_EVENT	No		**60,699**	2015-06-04	Note from Blaine: Can find no reference to the Transactions table in the code or the stored procedures. Likewise for NNS_EVENT. There are a couple stored procedures related to dtproperties, but I don't see any code using them.
NWMIfoRequest	No		**22**		No longer used
RegionalLab	No		**0**		No longer used
RTID	No		**148**		No longer used
Summary	No		**94**		No longer used
sysdiagrams	No		**3**		No longer used
tempViewTest (View)	No	View	**53,909**	-none-	

Table 7 : ELMO Database Tables

5.2.3 ELMO DATABASE TABLES

1. Each ELMO database table which contains data requiring migration to the LCMC database is described in this section. The column headers in this section include:
    a. Column Name: the name of the database field
    b. Key: Indication whether the database field is a Primary Key (PK) or Foreign Key (FK)
    c. DB Type: Describes the database data type of the database field. The database types include:
        i. Tinyint: Tiny Integer (Allows whole numbers from 0 to 255)
        ii. Smallint: Small Integer (Allows whole numbers between -32,768 and 32,767)
        iii. Int: Integer (Allows whole numbers between -2,147,483,648 and 2,147,483,647)
        iv. Char(n): Fixed width character string. (Maximum of 8000 Characters)
        v. Text: (Variable width character string. (Maximum 2GB of text data)
        vi. Varchar: Variable width character string. (Maximum 8,000 characters)
        vii. Nvarchar: Variable width Unicode string. (Maximum 4,000 characters)
        viii. Bit: (0 = False, 1 = True, NULL)
        ix. Datetime: From January 1, 1753 to December 31, 9999 with an accuracy of 3.33 milliseconds
        x. Smalldatetime: From January 1, 1900 to June 6, 2079 with an accuracy of 1 minute. Default value 1900-01-01 00:00:00
        xi. Timestamp: Stores a database-wide unique number that gets updated every time a row gets updated.
    d. Field Size per Occurrence (Min Max): The minimum and maximum allowable lengths where available.
    e. Field Source: The System responsible for the database field data (NNS and/or ELMO). Also provided is the source TOT and TAG where available.
    f. Code Table: The name of the ELMO table the value in the database field is associated to.
    g. Required in LCMC: Indicates whether the data in the database field is required to be available in LCMC. Depending on the solution this data may be represented in a different way or using a different vehicle.
    h. Notes: Contains any specific information that may be useful in describing the data held in the database field.

5.2.4 ELMO REQUESTS TABLE

1. The ELMO Requests table stores information describing the overall latent case. There is one Requests table record for every latent case. The Requests table contains information about the contributing Agency and Member, the offence and the current work queue (folder) of the latent case. Typically the Requests record is created from a CLC / RAFIAS submission (LFS or LFSNS) that is received by the NNS. ELMO Users could also manually create new Latent Search Requests in order to record Remote Latent Idents from reverse searches, Foreign Search Idents and Reverse Search Ident information.

ELMO Requests Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
RequestURI	PK	int	M						Primary Key for Table.
Year		smallint	M			NNS sets to value of current year		Yes	NNS derived from Date Received. Eg. “1995”
LFONumber		smallint	M			NNS initially sets to ‘0’		Yes	Used with Year field to generate DisplayLFONumber prior to NNS involvement in the Central Latent workflow. Post NNS involvement it is not used.
DisplayLFONumber		char	M	1	33	NNS constructed from <Contributor ORI>+<hyphen>+<Ident Section File Number>. Or manually entered using ELMO		Yes	prior to NNS involvement in the Central Latent workflow this field was populated with the Year and the LFONumber. Eg. 1985-01850.
UserURI	FK	int	M			NNS initially sets to ‘0’ Updated by ELMO	Foreign Key to User Table	Yes	Identifies which ELMO User the Request is assigned to.
FolderURI	FK	int	M			NNS initially sets to “Incoming” Updated by ELMO	Foreign Key to Folders table	Yes	Identifies which Folder the Request is currently in. See ELMO Field Values Table – Folders.
ContributorURI	FK	int	M			LFSNS 2.2099 – RAFIAS originating Agency Identifier Or manually entered using ELMO	Foreign Key to Contributo r table.	Yes	Identifies the Contributor that originated the Request.

ELMO Requests Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
ContributorMemberURI	FK	int	M			LFSNS 2.8931 – Name of Person Responsible for Transaction Or manually entered using ELMO	Foreign Key to ContributorMember table	Yes	Identifies the Contributor Member who originated the Request
ContributorFileNumber		char	M	1	30	LFSNS 2.801 – Contributor Case Identifier: Ident Section File Number Or manually entered using ELMO		Yes	The File Number that the Contributor has assigned to the Search Request
OccurrenceNumber		char	O	1	24	LFSNS 2.801 – Contributor Case Identifier: Occurrence Number Or manually entered using ELMO		Yes	The Occurrence Number that the Contributor has assigned to the Search Request. No longer used. Convert for historical purposes.
OffenceURI	FK	int	M			LFSNS 2.861 – Latent Submission Crime Type Or manually entered using ELMO	Foreign Key to Offences Table	Yes	Indicates the OCR code of the Offence. See ELMO Field Values Table - OSR Code & OSR Description
OffenceDate		smalldatetime	O			LFSNS 2.858 – Offence Date Or manually entered using ELMO		Yes	Date of Offence
SourceTypeURI	FK	int	M			NNS defaults to “RAFIAS” or “CLC” Or manually chosen using ELMO	Foreign Key to Lookups Table (Source Type)	Yes	Indicates the Source of the Request.Valid sources are <None>, “Mail-In”, “AIMS”, “Fax”, “Walk-In”, “Remotes”, “DNA”, “RAFIAS”, “PhotoPhone”, “CLC”
SourceType		char	M		20	NNS defaults to “RAFIAS” or “CLC” Or manually chosen using ELMO		Yes	Indicates the Source of the Request. Eg. “RAFIAS”.
PriorityCode		tinyint	M	1		LFSNS 1.006 – Priority		Yes	Indicates the Priority of the Request.

ELMO Requests Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
Purge		bit	M			NNS defaults to False		Yes	Indicates whether the Request has been purged? This field is set by the NNS when a Request purge date expires on the NNS.
IsError		bit	M			NNS defaults to False		Yes	This field is set by the NNS when a Latent Search Request is received and stored but has an error.
IsDeleted		bit	M			NNS defaults to False		Yes	Indicates that the Request has been deleted using ELMO.
Completed		bit	M			NNS defaults to False		Yes	Indicates if the Request has been Completed. Set when the Search Request is moved to the "Completed" folder in ELMO.
Eliminations		bit	M			LFSNS 2.8937 – Eliminations Completed Indicator		Yes	Indicates whether the Eliminations were completed for the Request. Set by contributor.
Restricted		bit	M			NNS defaults to False. Or manually set using ELMO		Yes	Indicates whether the Request has Restricted Access. Set by the NNS or can be manually set using ELMO.
FBI		bit	O			NNS defaults to False. Can be manually set in ELMO.		Yes	Indicates that the Request has been sent to the FBI. Manually set in ELMO.
Interpol		bit	O			NNS defaults to False. Can be manually set in ELMO.		Yes	Indicates that the Request has been sent to Interpol. Manually set in ELMO.
new		bit	M			NNS defaults to False.			No longer used.
DCNNumber		varchar	M		20	LFSNS 2.800 – DCN Or manually entered using ELMO		Yes	The DCN number of the Submission.
SexURI	FK	int	M	1		LFSNS 2.807 – SEX Or manually set using ELMO	Foreign Key to Lookups table (Sex)	Yes	Sex of Suspect. Values: (1 – Unknown, 2 – Male, 3 – Female)
CaseTitle		varchar	M	1	50	LFSNS 2.8061 – Case Title Or manually entered using ELMO		Yes	File Caption / Case Title from submission.

ELMO Requests Table								
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
OffenceAddress		varchar	M		150	LFSNS 2.802 – Address Or manually entered using ELMO		Yes	Offence Address from submission
Remarks		varchar	O	1	8000	LFSNS 2.860 – Remarks/Descriptions of Crime Scene Or manually entered using ELMO		Yes	Remarks/Description of Crime Scene from submission.
ForeignSearchReason		varchar	O		500	Initially set to NULL by NNS Manually entered using ELMO		Yes	Foreign Search reason manually entered in ELMO.
Created		smalldatetime	M			System generated using LFSNS packet's date. Or set by ELMO		Yes	Date / Time created
CreatedBy		varchar	M		30	NNS defaults to "RAFIAS" or "CLC" Or set by ELMO	Users.UserName	Yes	eg. "dbo", "RAFIAS", "tlanoue"
LastUpdated		smalldatetime	O			Set by ELMO		Yes	Date / Time last updated
LastUpdatedBy		varchar	O		30	Set by ELMO	Users.UserName	Yes	Last Updated by name. eg. "tlanoue"
Timestamp		timestamp	M			Database generated for last time record touched		Yes	
LatentSequenceID		int	O						
PurgeDate		datetime	O			Manually entered using ELMO		Yes	Date record to be purged.

Table 8 : ELMO Requests Table

5.2.5 ELMO SUBMISSIONS TABLE

1. The ELMO Submissions Table is used to record individual Submission information pertaining to a Latent Search Request. There will be one or more Submissions for every latent case (Requests record). The ELMO Submission Table stores information related to the individual Submission including the Member who initiated the Submission, Submission search results and the current status of the Submission.

ELMO Submissions Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
SubmissionURI	PK	int	M					Yes	Primary key for table.
RequestURI	FK	int	M				Foreign Key to Requests Table	Yes	
SubmissionNumber		smallint	M			NNS generated next sequential Submission Number for Request.		Yes	
RestrictedSubmission		bit	M			NNS defaults to false Or set in ELMO		Yes	Indicates whether submission is restricted. Can be set by NNS or manually set using ELMO.
DateIn		smalldatetime	O			NNS set to current date/time Or set by ELMO		Yes	Date that submission is received. If added in ELMO it's the date that it was added. Eg. 1995-02-15 00:00:00
DateOut		smalldatetime	O			NNS defaults to NULL Updated by ELMO		Yes	Date that the first search response is sent. Manually set using ELMO. Eg. 1997-03-19 00:00:00
ImagesRcvd		int	M			NNS sets to total number of Type 7 and Type 13 images in LFSNS		Yes	
ImpressionsRcvd		int	M			NNS sets to total number of Type 13 images in LFSNS		Yes	
ImpressionsUsed		int	M			NNS defaults to False		No	Total number of Latent images for submission that had a worksheet created. No longer used.
Searches		int	M			NNS defaults to False		No	Legacy information – no longer used.

ELMO Submissions Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
Respondents		int	M			NNS defaults to False		No	Legacy information – no longer used.
ResultTypeURI	FK	int	M			NNS defaults to None Manually updated using ELMO	Foreign Key to Lookups Table (Result Type)	Yes	
Idents		int	M			NNS defaults to a value of False Manually updated using ELMO		Yes	Total Number of Identifications for submission? Manually set using ELMO.
AFISMiss		int	M			NNS defaults to a value of False Manually updated using ELMO		Yes	Used for statistics to track when an Ident is not made although the set of associated 10 Prints exists on AFIS. Manually set using ELMO.
FPSNumber1		char	M	12	12	NNS defaults to a value of “” Manually updated using ELMO		No	No longer used
Restricted1		bit	M			NNS defaults to a value of False Manually updated using ELMO		No	No longer used
FPSNumber2		char	M	12	12	NNS defaults to a value of “” Manually updated using ELMO		No	No longer used
Restricted2		bit	M			NNS defaults to a value of False Manually updated using ELMO		No	No longer used
ContributorMemberURI	FK	int	M			NNS sets to User Name of Contributing Member Or manually entered using ELMO	Foreign Key to ContributorMember Table	Yes	Identifies Member who originated the submission.
DCNNumber		nvarchar	M	20	20	LFSNS 2.800 – Document Control Number Or manually entered using ELMO		Yes	
ConclusionDate		smalldatetime	O			NNS defaults to a value of NULL Manually updated using ELMO		Yes	Date that the search response is sent when the submission is concluded. Manually set using ELMO.

ELMO Submissions Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
Printed2540		bit	M			NNS defaults to a value of False Set to True by ELMO when a 2540 form is printed		Yes	2540 is printed by right-clicking on a record in the ELMO LFS Browser tab and choosing Print 2540
NISTSent		bit	M			NNS defaults to a value of False		No	Legacy field – no longer used
NISTCompleted		bit	M			NNS defaults to a value of False		No	Legacy field – no longer used
NISTClosed		bit	M			NNS defaults to a value of False		No	Legacy field – no longer used
RafiasIdent		bit	M			NNS defaults to a value of False		No	No longer used
CaptionText		text	O		2000	Manually entered using ELMO		Yes	ELMO “RAFIAS Message” text block on Submissions pane. Manually entered by ELMO user. Returned as part of Search Response Message.
InternalNotes		text	O		2000	NNS defaults to a value of NULL Manually updated using ELMO		Yes	Stores Internal Notes entered in ELMO Internal Notes text block on Submissions pane.
WorksheetLFONumber		int	O			NNS defaults to a value of NULL		No	No longer used
FileName		varchar	M		20	NNS defaults to a value of “”		No	No longer used
Created		smalldatetime	M			System generated using LFSNS packet’s date. Or set by ELMO		Yes	Date / Time created
CreatedBy		varchar	M		30	NNS defaults to “RAFIAS” or “CLC” Or set by ELMO	Users.UserName	Yes	eg. "dbo”, “RAFIAS”, “tlanoue”
LastUpdated		smalldatetime	O			Set by ELMO		Yes	Date / Time last updated
LastUpdatedBy		varchar	O		30	Set by ELMO	Users.UserName	Yes	Last Updated by name. eg. “tlanoue”
timestamp		timestamp	M			Database generated for last time record touched		Yes	
SubmissionPriority		int	O			LFSNS 1.006 – Priority Manually updated using ELMO		Yes	From priority of submission (LFSNS Priority)
nnsSubmissionId		decimal	O			NNS generated Submission ID		Yes	

ELMO Submissions Table								
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
imageError		bit	O			Manually set using ELMO.		Yes	Indicates that at least one image in the submission could not be used because of an error. Manually set using ELMO.

Table 9 : ELMO Submissions Table

5.2.6 ELMO IMAGES TABLE

1. The ELMO Images Table is used to record information about latent images received from Contributors. There will be 1 to 10 Images for every Latent Submission. This Table records information about each latent image including the Image Name (R1), the file directory where the Image is stored and the probable digits / palm areas that the image may be identified to.

ELMO Images Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
ImageURI	PK	int	M					Yes	Primary key for table.
RequestURI	FK	int	M				Foreign Key to Request Table	Yes	
SubmissionURI	FK	int	M				Foreign Key to Submissions Table	Yes	
IRQURI	FK	int	O					No	Foreign Key to IRQ Table. No longer used.
ImageFile		char	O		150	Set by NNS as path to Image File on NNS SAN		Yes	Eg. /global/data/rtidnnsdata/ELMO/ELMO_F1/2015/05/AB10531-2015-158996/AB10531-2015-158996-001.tif
isImpression		bit	M			NNS sets to True if Latent Image. NS sets to False if Image is Object Shot.		Yes	Set to True if Image is Latent Image. Set to False if Image is an Object Shot.
RNumber		char	M		12	LFSNS 13.200 Image Name		Yes	Eg. R1
FingerNumber		varchar	O		30	NNS defaults to NULL		Yes	Manually set using ELMO.
IsUsed		bit	M			NNS defaults to NULL		No	No longer used
IsTenprint		bit	O			NNS defaults to NULL		No	No longer used
ProbableDigits		varchar	O		20	LFSNS 13.013 – Finger/Palm Position		No	No longer used
ToAFIS		bit	O			NNS defaults to NULL		No	No longer used.
Created		smalldatetime	M			System generated using current Date/Time		Yes	Date/Time Image Record created
CreatedBy		varchar	M		30	NNS defaults to “NPSNIST”	Users.User Name	Yes	eg. "dbo”, “NPSNIST”, “tlanoue”

ELMO Images Table									
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
LastUpdated		smalldatetime	O			System generated using current Date/Time		Yes	Last date Image record updated
LastUpdatedBy		varchar	O		30	NNS defaults to “NPSNIST”	Users.User Name	Yes	Last Updated by name. From Users.UserName eg. "dbo”, “NPSNIST”, “tlanoue”
timestamp		timestamp	M			Database generated for last time record touched		Yes	Database timestamp for last time record touched.
ImageStatus	FK	int	O			NNS defaults to NULL	Foreign Key to Lookups	Yes	
isPalm		bit	O			LFSNS 13.003 – Impression Type: Set to True is Type = 12 – “Latent Palm Impression”		Yes	Set to True if Latent Palm Image (IMP 13.003 = 12 – “Latent Palm Impression”), otherwise set to False .
LatentID		char	O		40	Generated by AFIS.		Yes	Set to Latent Image ID. (Generated in AFIS – set by the NNS. eg. AB10531-2015-111111-001

Table 10 : ELMO Images Table

5.2.7 ELMO IDENTS TABLE

1. The ELMO Idents table is used to record any confirmed central latent to ten print, ten print to latent and foreign latent identifications. Typically this table is populated by the NNS upon receipt of the LSRI TOT from AFIS. ELMO has also have been be used to record remote reverse search identifications as well as foreign identifications. This table records information about the subject hit to including Name, Year of Birth, Young Offender indicator and Criminal Record related information.

ELMO Idents Table									
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
IdentURI	PK	int	M					Yes	Primary key for table.
RequestURI	FK	int	M				Foreign Key to Request Table	Yes	
SubmissionURI	FK	int	M				Foreign Key to Submissions Table	Yes	
IdentNumber		smallint	M			Serial number generated by ELMO or NNS		Yes	
FPSID		char	M	12	12	LSRI 2.1243 - AFIS Search Results File Numbers – File Number. This field may also be manually populated by an ELMO User.		Yes	Stores the File Number (FPS, Immigration or Refugee) of the Identified Subject.
IdentDate		smalldatetime	O			NNS set to date/time Ident reported from AFIS. This field may also be manually populated by an ELMO User.		Yes	Stores the date that the potential Identification was made on AFIS.

ELMO Idents Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
YOB		smallint	O			NNS set to CRIFI YOB. This field may also be manually populated by an ELMO User?		Yes	
SexURI	FK	int	M			LSRI 2.1205 – AFIS Latent Search Results - Gender This field may also be manually populated by an ELMO User.	Foreign Key to Lookups Table (Sex)	Yes	
YoungOffender		bit	M			NNS set to CRIFI YO ADS flag or CRS YO indicator. This field may also be manually populated by an ELMO User.		Yes	
NoConvictions		bit	M			NNS set to CRIFI CRS No-Convictions Indicator. This field may also be manually populated by an ELMO User.		Yes	Indicates that the CPIC Criminal Record does not contain any Convictions.
Member		bit	M			NNS set to CRIFI PC flag. This field may also be manually populated by an ELMO User.		Yes	Indicates that the potential Identification is to a RCMP Employee.
Refugee		bit	M			LSRI 2.1243 – AFIS Search Result File Numbers – File Type Code (2. Refugee). This field may also be manually populated by an ELMO User.		Yes	Indicates that the potential Identification is to a Refugee File.
Pardon		bit	M			NNS set to CRIFI CRS File status code. This field may also be manually populated by an ELMO User.		Yes	Indicates that the potential Identification is to a Pardoned Criminal File

ELMO Idents Table									
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
Archive		bit	M			NNS set to CRIFI CRS File status code. This field may also be manually populated by an ELMO User.		Yes	Indicates that the potential Identification is to a Archived Criminal File
NoFinger		bit	M					No	Legacy – no longer used.
IdentFinger		int	M			LSRI 2.1248 – Certification Disposition Forward Latent – Finger(s) used to certify. This field may also be manually populated by an ELMO User.		Yes	The finger / Palm certified to for the Ident.
Minutiae		int	M			LSRI 2.8208 – Number of minutiae This field may also be manually populated by an ELMO User.		Yes	The number of minutiae plotted on identified Latent Impression.
SearchTypeURI	FK	int	M			NNS sets to “Auto Search” This field may also be manually populated by an ELMO User.	Foreign Key in Lookups Table (Search Types)	Yes	Valid entries are <None>, “Auto Search”, “FBI Search”, “First Search”, “Reverse Search”, “Re-Search”, “Suspect Ident”
Position		int	M			LSRI 2.1205 – AFIS LATENT Search Results – Respondent Rank This field may also be manually populated by an ELMO User.		Yes	Position of Identified Candidate in the AFIS Candidate List.
TotalDigitsIdentified		int	M			LSRI 2.1248 – Certification Disposition Forward Latent – Finger(s) used to certify This field may also be manually populated by an ELMO User.		Yes	The number of certified impressions pertaining to the Ident.
RegionFiledURI	FK	int	M					No	Foreign Key to RegionsFiled Table. No longer used.

ELMO Idents Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
DatabaseFiledURI	FK	int	M			STI 2.1097 – Transaction Status Code (13. Saved to ULF) This field may also be manually populated by an ELMO User.	Foreign Key to Lookups Table.	Yes	Valid entries are <None>, “LCF”, “MCF”, “ULF”
Created		smalldatetime	M			Set by NNS to current date/time This field is set by ELMO when an Identification Record is entered manually.		Yes	Date/Time Idents Record created
CreatedBy		varchar	M		30	Set by NNS to “NPSNIST” when a Certification is made in AFIS. This field is set by ELMO when an Identification Record is entered manually.	Users.UserName	Yes	eg. "dbo”, “NPSNIST”, “tlanoue”
LastUpdated		smalldatetime	O			Set by ELMO		Yes	
LastUpdatedBy		varchar	O		30	Set by ELMO	Users.UserName	Yes	eg. "dbo”, “NPSNIST”, “tlanoue”
timestamp		timestamp	M			Database generated for last time record touched		Yes	
NoDisposition		bit	M			NNS set to CRIFI CRS File Remand code. This field may also be manually populated by an ELMO User.		Yes	Indicates that the CPIC Criminal Record does not contain any Convictions or non-Convictions (Remand FPS).
DNAHits		bit	M			NNS set to CRIFI CRS File DNA indicator. This field may also be manually populated by an ELMO User.		Yes	Indicates that the FPS has associated DNA information.
FBINumber		char	O		20	Only manually populated by an ELMO User.		Yes	FBI Number of individual identified to.

ELMO Idents Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
DCNNumber		char	O		20	LSRI 2.1205 – AFIS Latent Search Results – Matched DCN This field may also be manually populated by an ELMO User.		Yes	DCN Number of C216 associated to the certified image.
Criminal		bit	O			LSRI 2.1243 – AFIS Search Result File Numbers – File Type Code (1. Criminal). This field may also be set by ELMO when a Criminal FPS is entered manually.		Yes	Indicates a potential Ident to a Criminal.
PrimarySurname		varchar	O		50	NNS set to CRIFI CRS File Primary Surname. This field may also be manually populated by an ELMO User.		Yes	The Surname of the Individual that been potentially identified.
PrimaryGivenName1		varchar	O		50	NNS set to CRIFI CRS File Primary 1st Given Name. This field may also be manually populated by an ELMO User.		Yes	The first Given Name of the Individual that been potentially identified.
PrimaryGivenName2		varchar	O		50	NNS set to CRIFI CRS File Primary 2nd Given Name. This field may also be manually populated by an ELMO User.		Yes	The second Given Name of the Individual that been potentially identified.
ImageURI	FK	int	O			LSRI 2.8336 – Latent Image Identifier	Foreign Key to Images Table.	Yes	
TempResident		bit	O			LSRI 2.1243 – AFIS Search Result File Numbers – File Type Code (4. Immigration). This field may also be set by ELMO when an Immigration Number is entered manually.		Yes	Indicates a potential Ident to an Immigration or Refugee Subject.

ELMO Idents Table									
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
CarNo		bit	O			Manually entered using ELMO.		Yes	Reverse Search Ident from a CAR N NNS Submission.
Additional Info		bit	O			NNS adds		Yes	This is for internal use and it is not viewable by a user.

Table 11 : ELMO Idents Table

5.2.8 ELMO LATENTSEARCH TABLE

1. The ELMO LatentSearch table is used to store information regarding Latent Image processing in AFIS. The NNS will create a LatentSearch record for an Image upon receipt of a Latent Commit (LTCI) packet from AFIS. The NNS will update the record upon receipt of a Status (STI) packet from AFIS. For a STI with a TSC = 12 (Wait Lasso), the NNS will check if the Latent Image ID already exists in the LatentSearch table. If it does not exist, the NNS will insert a new record into the LatentSearch table.

ELMO LatentSearch Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
LatentSearchID	PK	int	M					Yes	Primary key for table.
ImageURI	FK	int	O				Foreign Key to Images Table	Yes	
AddToULFInd		bit	M			NNS: STI – TSC = 13 (Saved to ULF), TSC = 14 (Not Saved to ULF)		Yes	Indicates whether Image has been added to the Unsolved Latent File.
Rotation		int	O			NNS: LTCI – Tag 2.8330 – Rotation		Yes	Indicates the degree that the Image was rotated before Latent Commit.
ResizeFactor		real	O			NNS: LTCI – Tag 2.8298 – Resize Factor		Yes	Indicates the factor that the Image was resized before Latent Commit.
LatentImageID		char	O		40	NNS: LTCI – Tag 2.8336 – Latent Image Identifier		Yes	Latent Image ID generated by AFIS. eg. AB10531-2015-111111-001
LatentSearchTimestamp		datetime	M			NNS generates a default value of Timestamp.		Yes	
Created		smalldatetime	M			System generated using current Date/Time		Yes	Date/Time Record created
CreatedBy		varchar	M		30	NNS defaults to “NPSNIST”	Users.User Name	Yes	eg. "dbo”, “NPSNIST”, “tlanoue”
LastUpdatedBy		varchar	O		30	Set by ELMO	Users.User Name	Yes	eg. "dbo”, “NPSNIST”, “tlanoue”
LastUpdated		smalldatetime	O			Set by ELMO		Yes	Last date updated on ELMO

Table 12 : ELMO Latentsearch Table

5.2.9 ELMO LATENTSEARCHRESPONSE TABLE

1. The ELMO LatentSearchResponse table is used to store Latent Search Results. Contributors will use the Central Latent Client on the NNS to access their Latent Search Responses. This table was developed to support Central Latent Client functionality.

ELMO LatentSearchResponse Table									
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
LatentSearchResponseURI	PK	int	M					Yes	Primary key for table.
RequestURI	FK	int	M				Foreign Key to Images Table	Yes	
SubmissionURI	FK	int	M				Foreign Key to Submissions Table	Yes	
ResultTypeURI	FK	int	M				Foreign Key to Lookups (Result Type)	Yes	
ResponseText		text	M	1	2147483647			Yes	Stores actual text of Search Response to be presented to the Contributing Agency.
Created		smalldatetime	M			System generated using current Date/Time		Yes	Date/Time Record created
CreatedBy		varchar	M		30	Set to ELMO User who created the Search Response.	Users.User Name	Yes	eg. "dbo", “NPSNIST”, “tlanoue”

Table 13 : ELMO Latentsearchresponse Table

5.2.10 ELMO LATENTSEARCHRESULT TABLE

1. The ELMO LatentSearchResult table is used to store the results of Latent Image searches performed using AFIS. The NNS populates this table using Latent Search Result (LSRI) and Latent Cancel (LCANI) packets from AFIS.

ELMO LatentSearchResult Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
LatentSearchResultID	PK	int	M					Yes	Primary key for table.
LatentSearchID	FK	int	O				Foreign Key to LatentSearch Table	Yes	
SearchCancelledReasonID	FK	int	O			LCANI 2.1215 - Latent Unsuitable / Cancelled Reason Code	Foreign Key to Lookups Table (Cancellation Reason Code)	Yes	
NNSMatchReportID		int	O			NNS generated Match Report Id		Yes	eg. ?formId=1137&submissionId=5489314&tcn=006400152992
SearchCancelledBy		varchar	O		150	LCANI 2.1247 - Activity Log HRMIS Operator Identifier		Yes	HRMIS Number of User who cancelled Search.
SearchResultTypeID	FK	char	O		11	(LSRI 2.1214 - Search Result Code) or (LCANI 2.1214 - Final Search Result Code)	Foreign Key to Lookups Table (Search Result Type Code).	Yes	Valid entries are: “Cancelled”, “UL–TP Search Result”, “UL-ULF Search Result”, “UL-FBI Search Result”, “Completed”
IsIdent		char	O		18	LSRI 1.1214 - Search Result Code		Yes	1 - Ident, 2 - Non Ident, 3 - Unsuitable, 4 - Cancelled, 5 - Non Disposition
LatentResultTimeStamp		datetime	O			LSRI 2.1247 – Activity Log – Date/Time Start		Yes	
Created		smalldatetime	M			NNS populates with current date/time		Yes	Date/Time Record created

ELMO LatentSearchResult Table								
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
CreatedBy		varchar	M		30	NNS defaults to “NPSNIST”	Users.User Name	Yes	eg. "dbo”, “NPSNIST”, “tlanoue”
LastUpdated		smalldatetime	O			Populated by ELMO		Yes	
LastUpdatedBy		varchar	O		30	Populated by ELMO	Users.User Name	Yes	

Table 14 : ELMO Latentsearchresult Table

5.2.11 ELMO LATENTCERTIFICATIONSCREEN TABLE

1. The ELMO LatentCertificationScreen table is used to record information about the Latent Certification screen capture. Certification Screen captures are available for viewing using ELMO.

ELMO LatentCertificationScreen Table									
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
LatentCertificationScreenID	PK	int	M			Populated by the NNS		Yes	Eg. 20519 LSRI has Type 16 record – 16.015: Document Type Code = 15 (CSI Certification Screen Image), 16.999 Image Data
LatentSearchResultID	FK	int	M			Populated by the NNS	Foreign Key to LatentSearch Result Table	Yes	Eg. 362348
NNSCertificationScreenID		varchar	O		150	Populated by the NNS		Yes	Path to NNS SAN Certification Screen Image. eg. /global/data/rtidnnsdata/ELMO/ELMO_F1/2015/05 /AB10531-2015-158996/006300172952-0.jpg

Table 15 : ELMO Latentcertificationscreen Table

5.2.12 ELMO FOLDERS TABLE

1. The ELMO Folders table stores information about the various folders that Latent Search Requests can be associated to. Latent Search Requests are associated through different Folders as they are processed through NNS, AFIS and ELMO. This concept of folders can be generally related to a status in AFIS. The requirements described herein explain the correlation between the ELMO folder system and the AFIS status. This folder system is required with ELMO because ELMO and AFIS are two separate applications recording a lot of the same data.

ELMO Folders Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
FolderURI	PK	int	M						Primary Key for table Is there a Folders record for ever directory for every user??
CodeFolderType		char	M		20			No	Textual name of folder. Eg. “COMPLETEDLFS”
DescriptionE		varchar	M		30			No	English description of Folder Name. Eg. LFS
DescriptionF		varchar	M		30			No	French description of Folder Name.
ReportDescription		char	O		30			No	Description used for reporting
FolderOrder		char	M		6				Used by ELMO to display Folders in proper hierarchy.
UserInBox		bit	M						Used in conjunction with FolderOrder when creating the directory structure.
UserInBoxContent		bit	M						Used in conjunction with FolderOrder when creating the directory structure.
SupervisorContent		bit	M						Used in conjunction with FolderOrder when creating the directory structure.
OpenFolder		bit	M						Used in conjunction with FolderOrder when creating the directory structure.
DefaultFolder		bit	M						Used in conjunction with FolderOrder when creating the directory structure.

ELMO Folders Table									
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
IsReadOnly		bit	M						Used in conjunction with FolderOrder when creating the directory structure.
IsScanning		bit	M						Used in conjunction with FolderOrder when creating the directory structure.
IsVisibleToReadOnlyUser		bit	M						Used in conjunction with FolderOrder when creating the directory structure.
IsLFSFolder		bit	O					No	Only one left.
IsIRQFolder		bit	O					No	No longer used
IsCARFolder		bit	O					No	No longer used
Created		smalldatetime	M					No	
CreatedBy		varchar	M		30		Users.UserName	No	
LastUpdated		smalldatetime	O					No	
LastUpdatedBy		varchar	O		30		Users.UserName	No	
timestamp		timestamp	M			System generated using current Date/Time		No	

Table 16 : ELMO Folders Table

5.2.13 ELMO CONTRIBUTORS TABLE

1. The ELMO Contributors table is used to store information describing the Central Latent contributors. Current and previous Contributors are identified here.

ELMO Contributors Table								
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
ContributorURI	PK	int	M			Generated by system		Yes	Primary key for table. Note that Contributor's are manually added using the ELMO Contributor Address Book.
ID		char	M		4	Manually entered using ELMO		Yes	Ident Section Number – unique number to identify the Contributor
DescriptionE		varchar	M		50	Manually entered using ELMO		Yes	
DescriptionF		varchar	O		50	Manually entered using ELMO		Yes	
Email		varchar	O		100	Manually entered using ELMO		Yes	
PhotoPhone		char	O		14	Manually entered using ELMO		No	No longer used
ORINumber		char	O		9	Manually entered using ELMO		No	9 digit 1.7.5 ICD version ORI Number. Eg. 90AB10531 Going forward should be able to use rtidOri field only.
RegionURI	FK	int	O			Manually entered using ELMO	Foreign Key to Region Table	No	No longer used.
IsDefault		bit	M			Manually updated using ELMO		No	No longer used
IsActive		bit	M			Set by ELMO		Yes	
Created		smalldatetime	M			Set by ELMO to current date/time of when record created		No	

ELMO Contributors Table								
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
CreatedBy		varchar	M		30	Set by ELMO to User name who created the record	Users.UserName	No	
LastUpdated		smalldatetime	O			Set by ELMO to current date/time of when record last updated		No	
LastUpdatedBy		varchar	O		30	Set by ELMO to User name who last modified the record	Users.UserName	No	
Timestamp		timestamp	M			Database generated for last time record touched		No	
rtidOri		char	O		7	Manually entered using ELMO		Yes	7 digit ORI Number. Eg. AB10531
Phone		char	O		14	Manually entered using ELMO		Yes	
Fax		char	O		14	Manually entered using ELMO		Yes	
Notes		varchar	O		500	Manually entered using ELMO		Yes	
ContributorRegionsURI	FK	int	O			Manually entered using ELMO	Foreign Key to ContributorRegions Table	No	

Table 17 : ELMO Contributors Table

5.2.14 ELMO CONTRIBUTORREGIONS TABLE

1. The ELMO ContributorRegions table is used to associate the RCMP Region that the Contributor is part of. This table is no longer of value to the RCMP and is not required for the conversion.

ELMO ContributorRegions Table									
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
ContributorRegionsURI	PK	int	M			Generated by System		No	Contributor Regions were set up once and there is no UI to update them.
RegionsID		int	M			Sequential Number generated by System		No	Values are ‘0’ to ‘8’
DescriptionE		varchar	O		50			No	
DescriptionF		varchar	O		50			No	
IsDefault		bit	M					No	“ALL CONTRIBUTORS” is set as the default.
Created		smalldatetime	M					No	Set to “2011/12/17”
CreatedBy		varchar	M		30			No	Set to “dbo”
LastUpdated		smalldatetime	O					No	Set to NULL
LastUpdatedBy		varchar	O		30			No	Set to NULL
timestamp		timestamp	M					No	

Table 18 : ELMO Contributorregions Table

5.2.15 ELMO CONTRIBUTORMEMBERS TABLE

1. The ELMO ContributorMembers table stores information about members that contribute Central Latent Search Request information to the RCMP. This information is used when a contributing member needs to be contacted. When a Latent Submission is received and the submitting Member does not exist in the ELMO ContributorMembers table, the NNS will create a new ContributorMembers record and use information from the RCMPs LDAP Directory to populate the record. With the LCMC implementation this data will be provided to the LCMC/AFIS through the LFSNSI TOT.

ELMO ContributorMembers Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
ContributorMemberURI	PK	int	M					Yes	Primary Key for Table
ContributorURI	FK	int	M			LFSNS 2.2099 – RAFIAS Originating Agency Identifier	Foreign Key to Contributor Table	Yes	Contributor that Member is currently associated to.
MemberName		varchar	O		200	Populated with Name from LDAP directory Manually updated using ELMO		No	Member name is combination of Member Prefix, MemberSurname, MemberGivenName. Eg. Sgt.Bart Simpson Do not migrate – this can be derived.
VoicePhone		varchar	M		30	Populated with Phone Number from LDAP directory Manually updated using ELMO		Yes	
RafiasUserId		varchar	O		50	LFSNS 2.8931 – Name of Person Responsible for Transaction Manually updated using ELMO		No	No longer used.

ELMO ContributorMembers Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
Email		varchar	O		100	Populated with Email from LDAP directory. Manually updated using ELMO		Yes	
EntrustCert		varchar	O		500			No	No longer populated starting with CLC
isSupervisor		bit	M			NNS defaults to False Manually updated using ELMO		Yes	Indicates whether Member is a supervisor.
isActive		bit	O			NNS defaults to True Manually updated using ELMO		Yes	
Created		smalldatetime	M			NNS sets to current date/time		Yes	
CreatedBy		varchar	M		30	NNS sets to “NPSNIST”	Users.UserName	Yes	
LastUpdated		smalldatetime	O			NNS sets to current date/time		Yes	
LastUpdatedBy		varchar	O		30	NNS sets to “NPSNIST”	Users.UserName	Yes	
Timestamp		timestamp	M			Database generated for last time record touched		Yes	
MemberSurname		varchar	O		95	Populated with Surname from LDAP directory. Manually updated using ELMO		Yes	
MemberGivenName		VARCHAR	O		95	Populated with Given Name from LDAP directory. Manually updated using ELMO		Yes	
MemberPrefixURI	FK	INT	O			Manually updated using ELMO	Foreign Key to MemberPrefix	No	No longer used

ELMO ContributorMembers Table								
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
Notes		VARCHAR	O		500	NNS defaults to NULL Manually updated using ELMO		Yes	

Table 19 : ELMO Contributormembers Table

5.2.16 ELMO USERS TABLE

1. The ELMO Users table stores information about any users that are required to access ELMO. The table contains the users ELMO user name and password, real name, user access rights (read only, supervisor, administrator). All ELMO User records are created and maintained using the ELMO UI. Note that many ELMO tables store the "username" to track the user who created or updated individual records in the table. The ELMO Users table also contains the HRMIS ID that corresponds to those usernames. The AFIS renewal solution user management capabilities replace the user access and RBAC; therefore, the Contractor must determine how this data can be effectively converted to the LCMC/AFIS renewal user management data in the LCMC/AFIS user management. The HRMIS ID is available in the AFIS user management database that must be converted; therefore, it is possible that this will provide a possible link between this data.

ELMO Users Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
UserURI	PK	int	M					Yes	Primary Key for Table
UserName		char	M		30	Entered / maintained using ELMO		No	ELMO User name used for sign in. Eg. bsimpson To be replaced by HRMIS ID.
GivenName		varchar	O		40	Entered / maintained using ELMO		Yes	Users actual given name
HRMIS		char	O	0	9	Entered / maintained using ELMO		Yes	Stores HRMIS ID Eg. 123456789
Surname		varchar	O	0	40	Entered / maintained using ELMO		Yes	Users actual surname
Password		varchar	M		50	Entered / maintained using ELMO		Yes	Password required to log into ELMO
Language		char	M		1	Entered / maintained using ELMO		Yes	Currently all 'E' in ELMO.
Supervisor		bit	M			Entered / maintained using ELMO		Yes	Indicates that the user has Supervisor privileges.
ImageScanner		bit	M			Entered / maintained using ELMO		No	Indicates that user is allowed to use Image Scanner.

ELMO Users Table									
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
IsVisible		bit	M			Entered / maintained using ELMO		Yes	Indicates whether the users name should be displayed in the ELMO application.
ReadOnly		bit	O			Entered / maintained using ELMO		Yes	Indicates whether the user has read only access.
Admin		bit	O			Entered / maintained using ELMO		Yes	Indicates that the user has Administrator privileges.
Disable		bit	O			Entered / maintained using ELMO		Yes	Indicates that the users account has been disabled.
LoggedIn		bit	O			Entered / maintained using ELMO		Yes	Set to True when user is logged into ELMO.
Created		smalldatetime	M			Set by ELMO		No	
CreatedBy		varchar	M		30	Set by ELMO	Users.UserName	No	
LastUpdated		smalldatetime	O			Set by ELMO		No	
LastUpdatedBy		varchar	O		30	Set by ELMO	Users.UserName	No	
timestamp		timestamp	M			Database generated for last time record touched		No	
NotifyNewCase		bit	O			Entered / maintained using ELMO		Yes	User will get prompted when a new Latent Search Request is received that is a Priority 1 or Priority 2. The user must be “LoggedIn”.

Table 20 : ELMO Contributormembers Table

5.2.17 ELMO MESSAGES TABLE

1. The ELMO Messages table stores the canned messages that will be used to populate the ELMO “RAFIAS Message” text block on the Submissions Pane when a Result Type is entered. The “RAFIAS Message” text block becomes part of the Search Response that is presented to the Contributor. Today the NNS stores these messages and this table is used for the generation of reports in ELMO only.

ELMO Messages Table									
Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
MessageURI	PK	int	M					Yes	Primary Key for Table
Type		tinyint	M			Serial Number assign by ELMO		Yes	
Description		varchar	M		50	Entered / maintained using ELMO		Yes	Title of Message
MessageTextE		varchar	M		1000	Entered / maintained using ELMO		Yes	English message text
MessageTextF		varchar	M		1000	Entered / maintained using ELMO		Yes	French message text
Created		smalldatetime	M			Set by ELMO		No	
CreatedBy		varchar	M		30	Set by ELMO	Users.UserName	No	
LastUpdated		smalldatetime	O			Set by ELMO		No	
LastUpdatedBy		varchar	O		30	Set by ELMO	Users.UserName	No	

Table 21 : ELMO Messages Table

5.2.18 ELMO ACTIVITYLOG TABLE

1. The ELMO ActivityLog table is used to store activities related to the processing of Central Latent Search Requests. Logged events include when a submission is received, when a submission is modified, when the 2540 is printed, when a submission latent image is committed, when a certification/verification happens and when an Identification occurs. It must be determined between the Contractor and the RCMP if this activity log can be converted since most of the data retained in this table would be expected to be part of the logging included in the AFIS renewal solution.

ELMO ActivityLog Table

Column Name	Key	DB Type	M/O/C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
ActivityLogURI	PK	int	M					Yes	Primary Key for Table
RequestURI	FK	int	M				Foreign Key to Request Table	Yes	
IRQURI	FK	int	O				Foreign Key to IRQ Table	No	No longer used
SubmissionURI	FK	int	O				Foreign Key to Submission Table	Yes	
UserName		varchar	M		30			Yes	
DateTime		datetime	M					Yes	
Action		tinyint	M			For LTCI NNS generates a value of “12” For LCANI NNS generates a value of “12” For LSRI NNS generates a value of “12” For STI NNS generates a value of “12”		Yes	Value of “12” – “Update”

ELMO ActivityLog Table								
Column Name	**Key**	**DB Type**	**M/O/C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
Affected		tinyint	M			For LTCI NNS generates a value of “12” For LCANI NNS generates a value of “12” For LSRI NNS generates a value of “12” For STI NNS generates a value of “12”		Yes	
Description		varchar	O		100	For LTCI NNS uses 2.8836 – Latent Image Identifier For LCANI NNS uses 2.8144 – Latent Identifier For LSRI NNS uses 2.8144 – Latent Identifier For STI NNS uses 2.8336 – Latent Image Identifier		Yes	
Created		smalldatetime	M					No	
CreatedBy		varchar	M		30		Users.UserName	No	
LastUpdated		smalldatetime	O					No	
LastUpdatedBy		varchar	O		30		Users.UserName	No	
timestamp		timestamp	M					No	

Table 22 : ELMO Activitylog Table

5.2.19 ELMO OFFENCES TABLE

1. The ELMO Offences Table contains the Operating Statistics and Reporting Code (OSR) that is used to describe the crime type the Latent Submission is for. This table stores the Retention Period that the Latent Image should be stored for, if there is not an Identification.

ELMO Offences Table

Column Name	Key	DB Type	M/O /C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
OffenceURI	PK	int	M			Set by ELMO		Yes	Primary Key for Table Note that all Offences records are created and maintained using the ELMO UI.
OSRCode		char	M	1	4	Entered / maintained using ELMO		Yes	OSR Code of the record. Eg. AB00
DescriptionE		varchar	O	0	50	Entered / maintained using ELMO		Yes	English description of the record. Eg. “BREAK & ENTER”
DescriptionF		varchar	O	0	50	Entered / maintained using ELMO		Yes	French description of the record. Eg. “INTRODUCTION PAR EFFRACTION”
RetentionPeriod		tinyint	M			Entered / maintained using ELMO		Yes	Number of years that no-Ident Latent Images are retained on the AFIS Unsolved Latent File (ULF) .
IsDefault		bit	M			Entered / maintained using ELMO		Yes	Default is “AC22” – “Other Criminal Codes”.
IsRSR		bit	M			Entered / maintained using ELMO		No	No longer used
Serious		bit	O			Entered / maintained using ELMO		Yes	Used in ELMO reports.
Created		smalldatetime	M			Set by ELMO to current date/time		Yes	
CreatedBy		varchar	M		30	Set by ELMO to “dbo”	Users.UserName	No	
LastUpdated		smalldatetime	O			Set by ELMO to current date/time		No	
LastUpdatedBy		varchar	O	0	30	Set by ELMO to “dbo”	Users.UserName	No	

ELMO Offences Table								
Column Name	**Key**	**DB Type**	**M/O /C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
timestamp		timestamp	M			Database generated for last time record touched		No	
RetentionRTID		tinyint	O			Entered / maintained using ELMO		No	No longer used.

Table 23 : ELMO Activitylog Table

5.2.20 ELMO LOOKUPS TABLE

1. The ELMO Lookups table stores the drop down codes and values that are used by ELMO.

ELMO Lookups Table

Column Name	Key	DB Type	M/O/C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
LookupURI	PK	int	M			Set by ELMO		Yes	Primary Key for table Note that all Lookups records are created and maintained using the ELMO UI.
Type		tinyint	M			Entered / maintained using ELMO		Yes	Unique serial number for each Lookup Type
DescriptionE		varchar	M		150	Entered / maintained using ELMO		Yes	English description of individual Lookup record
DescriptionF		varchar	M		50	Entered / maintained using ELMO		Yes	French description of individual Lookup record
OldValue		char	M		5			No	No longer used
SortOrder		tinyint	M			Entered / maintained using ELMO		Yes	Order to display records in drop down. First displayed is '1'.
IsDefault		bit	M			Entered / maintained using ELMO		Yes	Indicates the default record for the Lookup Type. Used when creating the Folder Directory when opening up ELMO.
Description		char	O		30	Entered / maintained using ELMO		Yes	Textual title of the Lookup Type. Eg. "Result Types"
CodeLookupType		char	M		20	Entered / maintained using ELMO		No	Is used to access Lookups.
AIMSMessageURI		int	M					No	No longer used
Created		smalldatetime	M			Set by ELMO		No	
CreatedBy		varchar	M		30	Set by ELMO	Users.UserName	No	Sample has "NPSNIST"
LastUpdated		smalldatetime	O			Set by ELMO		No	
LastUpdatedBy		varchar	O		30	Set by ELMO	Users.UserName	No	

ELMO Lookups Table								
Column Name	**Key**	**DB Type**	**M/O/C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
timestamp		timestamp	M			Database generated for last time record touched		No	

Table 24 : ELMO Lookups Table

5.2.21 ELMO STATS TABLE

1. The ELMO Stats table is used to maintain statistics on Latent Identifications made in AFIS. It is used to display to the ELMO user the current number of Identifications for the month and year. It is populated by the NNS upon receipt of the LSR transaction with “Idents” from AFIS. The stats table is not expected to be converted since most of the data retained in this table would be expected to be part of the data recorded in the AFIS renewal solution.

ELMO Stats Table

Column Name	Key	DB Type	M/O/C	Field Size per Occurrence		Field Source	Code Table	Required in LCMC	Notes
				Min	Max				
StatURI	PK	int	M			Populated by the NNS when an Ident is received from AFIS. Can also be manually created using ELMO.		Yes	Primary Key for table
IdentURI	FK	int	M			Populated by the NNS when an Ident is received from AFIS. Can also be manually created using ELMO.	Foreign Key to Idents Table	Yes	
Year		smallint	M			Populated by the NNS when an Ident is received from AFIS. Can also be manually created using ELMO.		Yes	Year the Ident took place
Month		tinyint	M			Populated by the NNS when an Ident is received from AFIS. Can also be manually created using ELMO.		Yes	Month the Ident took place

ELMO Stats Table								
Column Name	**Key**	**DB Type**	**M/O/C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
IdentNumber		int	M			Populated by the NNS when an Ident is received from AFIS. Can also be manually created using ELMO.		Yes	Cumulative number of Idents for the month.
Created		smalldatetime	M			Populated by the NNS when an Ident is received from AFIS. Can also be manually created using ELMO.		No	
CreatedBy		varchar	M		30	Populated by the NNS when an Ident is received from AFIS. Can also be manually created using ELMO.	Users.UserName	No	
LastUpdated		smalldatetime	O			Populated by the NNS when an Ident is received from AFIS. Can also be manually created using ELMO.		No	
LastUpdatedBy		varchar	O		30	Populated by the NNS when an Ident is received from AFIS. Can also be manually created using ELMO.	Users.UserName	No	
timestamp		timestamp	M			Populated by the NNS when an Ident is received from AFIS. Can also be manually created using ELMO.		No	

Table 25 : ELMO Stats Table

5.2.22 ELMO STATESSEARCHS TABLE

1. The ELMO StateSearchs table is used to store information on requests for Latent Searches to American states. These requests are normally received by email and are carried out manually. The information is expected to be manually entered using the Additional Information UI menu option on the LCMC Management UI.

ELMO StateSearchs Table								
Column Name	**Key**	**DB Type**	**M/O/C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
StateSearchURI	PK	int	M					Yes	Primary Key for table
RequestURI	FK	int	M				Foreign Key to Requests Table	Yes	
CarURI	FK	int	O					Yes	No longer used
StateCodeURI	FK	int	M			Entered / maintained using ELMO	Foreign Key to Lookups Table (States)	Yes	
FileNumber		char	O	0	50	Entered / maintained using ELMO		Yes	
Result		char	O	0	3	Entered / maintained using ELMO			
Created		smalldatetime	M			Set by ELMO		No	
CreatedBy		varchar	M	1	30	Set by ELMO	Users.UserName	No	
LastUpdated		smalldatetime	O			Set by ELMO		No	
LastUpdatedBy		varchar	O	1	30	Set by ELMO	Users.UserName	No	
timestamp		timestamp	M			Database generated for last time record touched		No	

Table 26 : ELMO Statesearchs Table

5.2.23 ELMO INTERPOLSEARCHS TABLE

1. The ELMO InterpolSearchs table is used to store information on requests for Latent Searches to foreign countries other than the United States. These requests are normally received by email and are carried out manually. The information is expected to be manually entered using the Additional Information UI menu option on the LCMC Management UI.

ELMO InterpolSearchs Table									
Column Name	**Key**	**DB Type**	**M/O/C**	**Field Size per Occurrence**		**Field Source**	**Code Table**	**Required in LCMC**	**Notes**
				Min	**Max**				
InterpolSearchURI	PK	int	M					Yes	Primary Key for table
RequestURI	FK	int	M				Foreign Key to Requests Table	Yes	
CountryCodeURI	FK	int	M			Entered / maintained using ELMO	Foreign Key to Lookups Table (Countries)	Yes	
FileNumber		char	O	0	50	Entered / maintained using ELMO		Yes	
Result		char	O	0	3	Entered / maintained using ELMO			
Created		smalldatetime	M			Set by ELMO		No	
CreatedBy		varchar	M	1	30	Set by ELMO	Users.UserName	No	
LastUpdated		smalldatetime	O			Set by ELMO		No	
LastUpdatedBy		varchar	O	1	30	Set by ELMO	Users.UserName	No	
timestamp		timestamp	M			Database generated for last time record touched		No	

Table 27 : ELMO Interpolsearchs Table

5.2.24 ELMO DROP DOWN FIELD VALUES TABLE

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
AFIS Activity Code	Activity Log	An error has been detected on the NNS. Check the NNS. Image search committed Latent image transaction end LT-TP / Wait 4 Verify 1st Certify LT-TP Hit / Wait 2nd Certify LT-TP Hit / Wait 3rd Certify LT-UL / Wait Verify 1st Certify LT_UL Hit / Wait 2nd Certify LT_UL Hit / Wait 3rd Certify Not saved to ULF PL wait for edit PL wait for lasso PL-TP wait for 2nd Certify PL-TP wait for 3rd Certify PL-TP wait for verify 1st Certify PL-UL wait for 2nd Certify PL-UL wait for 3rd Certify PL-UL wait for verify 1st Certify Saved to ULF Search Cancelled Sent research to AFIS UL Hit / Wait 4 Verify 1st Certify UL Hit / Wait 2nd Certify UL Hit / Wait 3rd Certify UL Hit / Wait 4 Urgent Verify 1st Certify UL Hit / Wait Urgent 2nd Certify UL Hit / Wait Urgent 3rd Certify UL-FBI search result UL-TP search result UL-ULF search result Wait 4 lasso Wait 4 LT Edit Wait for palm check Wait for PL search
AFIS Terminal	Worksheet	<None> LS01 LS02 LS03 LS04 LS05

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		LS06
Cancellation Reason Code		Cancelled to a non-FPS Cancelled by the contributor Duplicate deleted Cancelled by RNSC Insufficient minutiae for encoding Insufficient contrast between ridges and background. If better contrast can be obtained, re-photograph and return Impressions superimposed Impressions out of focus. Re-photograph and return Impressions appear to be reduced or enlarged, re-calibrate and/or photograph 1:1 and return Ridge detail indistinct Impression not within rolled impression of db Cancelled to an FPS
Contributor Member	LCMC Management UI, Submissions Panel	Member names will vary dependent on the contributor.
Countries	LCMC Management UI, – Additional Info Screen	AFGHANISTAN ALBANIA ALGERIA AMERICAN SAMOA ANDORRA ANGOLA ANTIGUA AND BARBUDA AZERBAIJAN ARGENTINA AUSTRALIA AUSTRIA BAHAMAS BAHRAIN BANGLADESH ARMENIA BARBADOS BELGIUM BERMUDA BHUTAN BOLIVIA BOSNIA AND HERZEGOVINA BOTSWANA BRAZIL

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		BELIZE SOLOMON ISLANDS VIRGIN ISLANDS (BRITISH) BRUNEI DARUSSALAM BULGARIA MYANMAR BURUNDI BELARUS CAMBODIA CAMEROON CANADA CAPE VERDE CAYMAN ISLANDS CENTRAL AFRICAN REPUBLIC SRI LANKA CHAD CHILE CHINA TAIWAN, PROVINCE OF CHINA COLUMBIA COMOROS CONGO CONGO, THE DEMOCRATIC REPUBLIC OF THE COOK ISLANDS COSTA RICA CROATIA (local name: Hrvatska) CUBA CYPRUS CZECH REPUBLIC BENIN DENMARK DOMINICA DOMINICAN REPUBLIC ECUADOR EL SALVADOR EQUATORIAL GUINEA ETHIOPIA ERITREA ESTONIA FAROE ISLANDS FALKLAND ISLANDS (MALVINAS)

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		FIJI FINLAND FRANCE FRENCH GUIANA FRENCH POLYNESIA DJIBOUTI GABON GEORGIA GAMBIA GERMANY GHANA GIBRALTAR KIRIBATI GREECE GREENLAND GRENADA GUADELOUPE GUAM GUATEMALA GUINEA GUYANA HAITI HOLY SEE (VATICAN CITY STATE) HONDURAS HONG KONG HUNGARY ICELAND INDIA INDONESIA IRAN (ISLAMIC REPUBLIC OF) IRAQ IRELAND ISRAEL ITALY COTE D'IVOIRE JAMAICA JAPAN KAZAKHSTAN JORDAN KENYA KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA, REPUBLIC OF

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		KUWAIT KYRGYZSTAN LAO PEOPLE'S DEMOCRATIC REPUBLIC LEBANON LESOTHO LATVIA LIBERIA LIBYAN ARAB JAMAHIRIYA LIECHTENSTEIN LITHUANIA LUXEMBOURG MACAU MADAGASCAR MALAWI MALAYSIA MALDIVES MALI MALTA MARTINIQUE MAURITANIA MAURITIUS MEXICO MONACO MONGOLIA MOLDOVA, REPUBLIC OF MONTSERRAT MOROCCO MOZAMBIQUE OMAN NAMIBIA NAURU NEPAL NETHERLANDS NETHERLANDS ANTILLES ARUBA NEW CALEDONIA VANUATU NEW ZEALAND NICARAGUA NIGER NIGERIA

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		NIUE NORFOLK ISLAND NORWAY NORTHERN MARIANA ISLANDS MICRONESIA, FEDERATED STATES OF MARSHALL ISLANDS PALAU PAKISTAN PANAMA PAPUA NEW GUINEA PARAGUAY PERU PHILIPPINES PITCAIRN POLAND PORTUGAL GUNEA-BISSAU EAST TIMOR PUERTO RICO QATAR REUNION ROMANIA RUSSIAN FEDERATION RWANDA ST. HELENA SAINT KITTS AND NEVIS ANGUILLA SAINT LUCIA ST. PIERRE AND MIQUELON SAINT VINCENT AND THE GRENADINES SAN MARINO SAO TOME AND PRINCIPE SAUDI ARABIA SENEGAL SEYCHELLES SIERRA LEONE SINGAPORE SLOVAKIA (Slovak Republic) VIET NAM SLOVENIA SOMALIA SOUTH AFRICA

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		ZIMBABWE SPAIN WESTERN SAHARA SUDAN SURINAME SVALBARD AND JAN MAYEN ISLANDS SWAZILAND SWEDEN SWITZERLAND SYRIAN ARAB REPUBLIC TAJIKISTAN THAILAND TOGO TOKELAU TONGA TRINIDAD AND TOBAGO UNITED ARAB EMIRATES TUNISIA TURKEY TURKMENISTAN TURKS AND CAICOS ISLANDS TUVALU UGANDA UKRAINE MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF EGYPT UNITED KINGDOM TANZANIA, UNITED REPUBLIC OF UNITED STATES VIRGIN ISLANDS (U.S.) BURKINA FASO URUGUAY UZBEKISTAN VENEZUELA WALLIS AND FUTUNA ISLANDS SAMOA YEMAN YUGOSLAVIA ZAMBIA OTHER UNKNOWN

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
Database Filed	LCMC Management UI, Identifications Panel	<None> LCF MCF ULF
Folders	ELMO Folders	Incoming - LFS - IRQ (legacy) - CAR (legacy) Cancellations User's Work Folder - Incomplete - Assigned LFS - Assigned IRQ (legacy) - Assigned CAR (legacy) - Idents to be Processed - Search Results Team Members Team Work Pool Murder Researches Checking Encoding Verification Negative Results Identifications Completed - LFS - IRQ (legacy) - CAR (legacy) Errors - LFS - IRQ (legacy) - CAR (legacy)
Ident Section No. & Description	LCMC Management UI, Request Panel	---- <None> 101 HALIFAX – NS – RCMP 102 NEW MINAS – NS – RCMP 103 PORT HAWKESBURY – NS – RCMP 105 TRURO – NS – RCMP 106 YARMOUTH – NS – RCMP 111 HALIFAX REGIONAL – NS – PS 112 CAPE BRETON REG – SYDNEY – NS – PS 113 TRURO – NS – PS

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		114 ROTHESAY REGIONAL – NB – PF 120 BATHURST – NB – RCMP 121 FREDERICTON – NB – RCMP 122 GRAND FALLS – NB – RCMP 123 MONCTON – NB – RCMP 130 FREDERICTON – NB – PF 131 SAINT JOHN – NB – PF 132 WOODSTOCK – NB – PF 136 CHARLOTTETOWN – PE – RCMP 138 CHARLOTTETOWN – PE – PD 140 CLARENVILLE – NF – RCMP 141 CORNER BROOK – NF – RCMP 142 HAPPY VALLEY GOOSE BAY – NF – RCMP 143 GRAND FALLS – WINDSOR – NF – RCMP 144 ST. JOHN'S – NF – RCMP 145 KENTVILLE – NS – PS 147 EDMUNDSTON – NB – PF 148 BATHURST – NB – PF 149 ST. STEPHEN – NB – PS 150 ROYAL CONST ST JOHN'S – NF – PS 151 ROYAL CONST CORNER BROOK – NF – PS 152 SUMMERSIDE – PE – PS 201 QUEBEC CITY (STE. FOY) – QC – RCMP 202 SILLERY – QC – SP 210 AYLMER – QC – SP 212 BUCKINGHAM – QC – SP 213 CHICOUTIMI – QC – SP 214 GATINEAU METRO – QC – SP 215 HULL – QC – SP 216 LAVAL – QC – SP 217 MONTREAL SPVM – QC – SP 218 QUEBEC CITY – QC – SP 219 SHAWINIGAN – QC – SP 220 SHERBROOKE – QC – SP 221 TROIS RIVIERES – QC – SP 222 ROUYN-NORANDA – QC – SP 224 BROSSARD – QC – SP 225 CHATEAUGUAY – QC – SP 226 STE-FOY – QC – SP 227 VAL D'OR – QC – SP 228 LONGUEUIL – QC – SP

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		240 HULL – QC – SQ 241 MONTREAL – QC – SQ 242 MRC ROUYN-NORANDA – QC – SQ 243 QUEBEC CITY – QC – SQ 244 MRC RIMOUSKI – QC – SQ 245 CHICOUTIMI – QC – SQ 246 CAP-DE-LA-MADELEINE – QC – SQ 247 SHERBROOKE – SQ EC/ST DS 248 PABOS – QC – SQ 249 BAIE-COMEAU – QC – SQ 250 SEPT-ILES – QC – SP 251 MONTREAL – QC – RCMP 252 MIRABEL – QC – SP 255 ST. HUBERT – QC – SP 256 BLAINVILLE – QC – SP 257 ST. LAMBERT – QC – SP 258 ST. JEROME METRO – QC – SP 259 DRUMMONDVILLE – QC – SP 260 C.I.C. LACOLLE QC 261 STE-THERESE – QC – SP 262 VALLEYFIELD – QC – SP 263 MRC DES COLLINES DE LOUTAOUAIS – LA PECHE QC – SP 264 ST. JEROME – QC – SQ 265 CHICOUTIMI – QC – RCMP 266 MONTCALM – QC – SP 268 ST. LUC – QC – SP 269 STE – ADELE – QC – SP 301 OTTAWA A DIV – ON – RCMP 302 NEWMARKET O DIV – ON – RCMP 303 LONDON – ON – RCMP 304 SAULT STE MARIE – ON – RCMP 305 LEAMINGTON – ON – PS 306 CBRNE MOBILE TRAILER 307 PEMBROKE – ON – PS 308 TORONTO INTERNATIONAL AIRPORT – ON – FIS 310 BROCKVILLE – ON – PF 311 CARLETON PLACE – ON – PS 312 DURHAM REGIONAL – ON – PS 314 GUELPH – ON – PS 315 HALDIMAND-NORFOLK REGIONAL – ON – OPP 316 HALTON REGIONAL – ON – PS

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		317 HAMILTON WENTWORTH REGIONAL – ON – PS 318 KINGSTON – ON – POLICE 319 KIRKLAND LAKE – ON – OPP 321 LONDON – ON – PS 322 MIDLAND – ON – PS 324 NIAGARA REGIONAL – ON – PS 326 OTTAWA CARLETON REGIONAL – ON – PS 327 PEEL REGIONAL – ON – POLICE 328 PETERBOROUGH – ON – PS 329 PORT HOPE – ON – PS 330 PRESCOTT – ON – PS 331 SAULT STE MARIE – ON – PS 332 STURGEON FALLS – ON – PS 333 SUDBURY REGIONAL – ON – PS 334 THUNDER BAY – ON – PS 335 TIMMINS – ON – PF 336 METRO TORONTO – ON – PS 338 WATERLOO REGIONAL – Cambridge, ON – PS 339 WINDSOR – ON – PS 340 YORK REGIONAL – ON – POLICE 341 CORNWALL – ON – PS 342 NORTH BAY – ON – PF 343 COBOURG – ON – PS 345 CHATHAM – ON – PS 346 SARNIA – ON – PS 347 INGERSOLL – ON – PF 349 STRATFORD – ON – PS 350 ST. THOMAS – ON – PS 351 MICHIPICOTEN – ON – PS 353 STRATHROY – ON – PS 354 BARRIE – ON – PS 355 TRENTON – ON – PS 356 BRANTFORD – ON – PS 357 HAWKESBURY – ON – OPP 360 BARRIE – ON – OPP 361 BELLEVILLE – ON – OPP 362 BRACEBRIDGE – ON – OPP 363 CHATHAM – ON – OPP 365 KINGSTON – ON – OPP 366 KANATA – ON – OPP 367 KENORA – ON – OPP

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		368 LONDON – ON – OPP 369 LONG SAULT – ON – OPP 370 MOUNT FOREST – ON – OPP 371 NORTH BAY – ON – OPP 372 PERTH – ON – OPP 373 PETERBOROUGH – ON – OPP 374 SIOUX LOOKOUT – ON – OPP 375 SOUTH PORCUPINE – ON – OPP 376 SUDBURY – ON – OPP 377 THUNDER BAY – ON – OPP 378 TORONTO – ON – OPP 380 BURLINGTON – ON – OPP 381 SAULT STE MARIE – ON – OPP 382 BELLEVILLE – ON – PS 383 SMITH FALLS – ON – PS 384 LINDSAY – ON – PS 385 KENORA – ON – PS 386 AURORA – ON – OPP 387 WOODSTOCK OXFORD COMMUNITY – ON – PS 388 INNISFIL – ON – PS 390 LASALLE – ON – PS 391 AMHERSTBURG – ON – PS 392 ORILLIA – ON – OPP 393 KIRKLAND LAKE – ON – OPP 394 ELLIOT LAKE – ON – PS 395 HALDIMAND NORFOLK – ON – OPP 397 QUINTE WEST – ON – PS 399 INTERPOL HQ (IES) – ON 400 BRANDON – MB – RCMP 401 DAUPHIN – MB – RCMP 402 THE PAS – MB – RCMP 403 THOMPSON – MB – RCMP 404 WINNIPEG – MB – RCMP 410 BRANDON – MB – PS 412 WINNIPEG – MB – PS 413 WINKLER – MB – PS 420 CARLYLE – SK – RCMP 421 LA RONGE – SK – RCMP 422 LLOYDMINSTER – SK – RCMP 423 NORTH BATTLEFORD – SK – RCMP 424 PRINCE ALBERT – SK – RCMP 425 REGINA – SK – RCMP

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		426 SASKATOON – SK – RCMP 427 SWIFT CURRENT – SK – RCMP 428 TISDALE – SK – RCMP 429 YORKTON – SK – RCMP 430 MEADOW LAKE – SK – RCMP 431 FORT QU'APPELLE – SK – RCMP 450 ESTEVAN – SK – PS 451 PRINCE ALBERT – SK – PS 452 REGINA – SK – PS 453 SASKATOON – SK – PS 455 WEYBURN – SK – PS 456 MOOSE JAW – SK – PS 465 BROOKS – AB – RCMP 466 CALGARY – AB – RCMP 467 EDMONTON – AB – RCMP 468 EDSON – AB – RCMP 469 WOOD BUFFALO DET. – Fort McMurray, AB – RCMP 470 GRANDE PRAIRIE – AB – RCMP 471 LETHBRIDGE – AB – RCMP 472 PEACE RIVER – AB – RCMP 473 RED DEER – AB – RCMP 474 ST. PAUL – AB – RCMP 480 CALGARY – AB – PS 481 CAMROSE – AB – PS 482 EDMONTON – AB – PS 483 LETHBRIDGE – AB – PS 484 MEDICINE HAT – AB – PS 490 IQALUIT – NU – RCMP 491 HAY RIVER – NT – RCMP(now Yellowknife) 492 INUVIK – NT – RCMP 493 YELLOWKNIFE – NT – RCMP 494 WHITEHORSE – YT – RCMP 500 ASHCROFT – BC – RCMP 501 BURNABY – BC – RCMP 502 CAMPBELL RIVER – BC – RCMP 503 CHILLIWACK – BC – RCMP 504 COQUITLAM – BC – RCMP 505 CRANBROOK – BC – RCMP 506 DAWSON CREEK – BC – RCMP 507 FORT ST. JOHN – BC – RCMP 508 KAMLOOPS – BC – RCMP

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		509 KELOWNA – BC – RCMP 510 NANAIMO – BC – RCMP 511 NELSON – BC – RCMP 512 NORTH VANCOUVER – BC – RCMP 513 PENTICTON – BC – RCMP 514 PORT ALBERNI – BC – RCMP 515 POWELL RIVER – BC – RCMP 516 PRINCE GEORGE – BC – RCMP 517 PRINCE RUPERT – BC – RCMP 518 QUESNEL – BC – RCMP 519 REVELSTOKE – BC – RCMP 520 RICHMOND – BC – RCMP 521 SMITHERS – BC – RCMP 522 SURREY – BC – RCMP 523 TERRACE – BC – RCMP 524 VANCOUVER – BC – RCMP 525 VERNON – BC – RCMP 526 VICTORIA – BC – RCMP 527 WILLIAMS LAKE – BC – RCMP 528 COURTENAY – BC – RCMP 529 LANGLEY – BC – RCMP 530 RIDGE MEADOWS – BC – RCMP 531 WHITE ROCK – BC – RCMP 540 DELTA – BC – PD 541 ABBOTSFORD – BC – PD 542 NEW WESTMINSTER – BC – PS 543 SAANICH – BC – PD 544 VANCOUVER – BC – PD 545 VICTORIA – BC – PD 546 WEST VANCOUVER – BC – PD 548 PORT MOODY – BC – PD 549 OAK BAY – BC – PD 551 SQUAMISH – BC – RCMP 552 MISSION – BC – RCMP 575 USA 576 DND MILITARY POLICE – PETAWAWA – ON 577 DND MILITARY POLICE – BORDEN – ON 578 C.N.R. POLICE 598 BC AFIS 600 VANCOUVER BC – RCMP/PD – AFIS 601 METRO TORONTO – ON – AFIS 603 PEEL REG – ON – AFIS

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		604 YORK REG – ON – AFIS 605 OTTAWA PS- ON – AFIS 606 HAMILTON – PS – AFIS 608 SQ MONTREAL – QC – AFIS 609 NIAGARA REG – ON – AFIS 610 MONTREAL SPVM – QC – AFIS 611 DURHAM REGIONAL – ON – AFIS 612 WINDSOR PS – ON – AFIS 613 OPP ORILLIA – ON – AFIS 614 HALTON REGIONAL POLICE – ON – AFIS 615 PETERBOROUGH-LAKEFIELD POLICE SERVICE – ON – AFIS 616 HALIFAX REGIONAL POLICE SERVICE – NS – AFIS 617 CALGARY POLICE SERVICE – AB – PS – AFIS 618 EDMONTON POLICE SERVICE – AB – PS – AFIS 619 LETHBRIDGE POLICE SERVICE – AB – PS – AFIS 620 REGINA POLICE SERVICE – SK – PS – AFIS 621 SASKATOON PS – SK – AFIS 622 WINNIPEG PS – MB – AFIS 623 WATERLOO REGIONAL PS – ON – AFIS 700 FINGERPRINT OPS – OTTAWA – ON – RCMP 701 CPSIC OTTAWA – ON 702 RAFIAS COORDINATOR 703 RAFIAS FIELD SUPPORT 998 RAFIAS ITS SUPPORT 999 Rafias2
Member Prefixes		---- Agent Cpl. Cst. D./Cst. Det. Officer P./C. P. S./Sgt. Sgt. Sr./Sgt. Cap. Insp.
Province		NEWFOUNDLAND PRINCE EDWARD ISLAND

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		NOVA SCOTIA NEW BRUNSWICK QUEBEC ONTARIO MANITOBA SASKATCHEWAN ALBERTA BRITISH COLUMBIA YUKON NORTHWEST TERRITORIES NUNAVUT
Messages Table	LCMC Management UI, Submissions Panel	0 < None > 1 Ident / “Identification” 2 Negative / Not Identified. “Refer to the OSR scoring guide for the retention rules.” / “Non Identifié. Se reporter au guide sur l'inscription des données dans le système RSO pour obtenir les règles de conservation. » 3 Unsuitable / Impropre – “This submission has been deemed unsuitable for AFIS searching.” / « Les impressions sont impropres à la recherche SAID. » 4 Negative - Not Retained / Négative - non ajoutée “Searched negative - Not added to the database due to poor quality. File concluded LFO. » / « Recherche négative - non ajoutée à la base de données à cause de qualité inférieure. Dossier conclu SEL » 5 ident 6 Negative - Not Retained / Négative - non ajoutée *** Searched negative - File Concluded *** *** Recherche négative - Dossier clos *** 7 Pardon Reference your request for fingerprints/information for FPS# -------, please be advised this FPS# file has been "ARCHIVED" or "CLOSED" in accordance with the Youth Criminal Justice Act or the Criminal Records Act and all information purged from the CPIC System. In accordance with either act, we can disclose the Name, Date of Birth and last known address for identification purposes if a fingerprint is found at the scene during the investigation of a crime, or in an attempt to identify a deceased person or amnesia victim. Thank you for your cooperation, CPSIC/LFO Ottawa (613) 998-6200 Suite à votre demande concernant les empreintes digitales ou de l'information pour le numéro SED -------, soyez avisé que le dossier SED fut placé aux "ARCHIVES", ou "FERMÉ", selon la loi de la justice pénale pour les adolescents ou la loi sur le casier judiciaire et toute information radiée au système du

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		CIPC. Selon l'une ou l'autre de ces lois, le nom, la date de naissance et la dernière adresse connue peuvent être communiqués aux fins d'identification si, à l'occasion d'une enquête relative à un crime ou à une personne décédée ou atteinte d'amnésie, on relève des empreintes digitales. Merci pour votre coopération, CISCP/SEL Ottawa 8 Archive Reference your request for fingerprints / information for FPS # ------, please be advised this FPS # file has been "ARCHIVED" or "CLOSED" in accordance with the Youth Criminal Justice Act or the Criminal Records Act and all information purged from the CPIC System. In accordance with either act, we can disclose the Name, Date of Birth and last known address for identification purposes if a fingerprint is found at the scene during the investigation of a crime, or an attempt to identify a deceased person or amnesia victim. Thank you for your co-operation, CPSIC/LFO Ottawa (613) 998-6200 Suite a votre demande concernant les empreintes digitales ou de l'infomation pour le numéro SED ------, soyez avisé que le dossier SED fut placé aux "ARCHIVES" ou "FERMÉ" selon la loi de la justice pénale pour les adolescents ou la loi sur le casier judiciaire et toute information radiée au système du CIPC. Selon l'une ou l'autre de ces lois, le nom, la date de naissance et la dernière adresse connue peuvent être communiqués aux fins d'identification si, à l'occasion d'une enquête relative à un crime ou à une personne décédée ou atteinte d'amnésie, on relève des empreintes digitales. Merci pour votre coopération, CISCP/SEL Ottawa 9 Cancellation - FPS As per your instructions, the latent search has been cancelled. Conformément à vos instructions, la recherche d'empreintes digitales latentes que vous avez demandée a été annulée. 10 Cancellation - Non FPS As per your instructions, the latent search has been cancelled. Conformément à vos instructions, la recherche d'empreintes digitales latentes que vous avez demandée a été annulée. 11 Cancellation - Elimination As per your instructions, the latent search has been cancelled. Conformément à vos instructions, la recherche d'empreintes digitales latentes que vous avez demandée a été annulée.

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
Message Type	ELMO Maintenance Screen	<None> Ident / Identification Negative Unsuitable / Impropre Negative – Not Retained / Négative – non ajoutée Record Suspension Archive Cancellation – FPS Cancellation – Non FPS Cancellation – Elimination
OSR Code & OSR Description	- LCMC Management UI, Request Panel - Search Screen	---- <None> AA00 MURDER AA05 ATTEMPTED MURDER AA33 ROBBERY AA43 SEXUAL ASSAULT AA44 ASSAULT AA66 ABDUCTION AB00 BREAK & ENTER AB11 THEFT OF MOTOR VEHICLE AB22 THEFT OVER $5000 AB24 THEFT FROM MOTOR VEHICLE AB33 THEFT UNDER $5000 AB44 POSSESSION STOLEN GOODS AB52 FRAUDS AB59 IMPERSONATION / PERSONATION AB67 THEFT OF TELECOMMUNICATIONS UNDER $5000 AB68 THEFT OF TELECOMMUNICATIONS OVER $5000 AC00 MORALS (GAMBLING, PROSTITUTION) AC11 OFFENSIVE WEAPONS AC22 OTHER CRIMINAL CODES AC23 ARSON AC24 COUNTERFITTING AC27 MISCHIEF AC28 PROPERTY DAMAGE OVER $5000 AC29 PROPERTY DAMAGE UNDER $5000 AC39 EXTORTION AC40 CHILD PRONOGRAPHY AC41 HARASSMENT AC72 PROCEEDS OF CRIME (LAUNDERING) AD48 POSSESSION NARCOTICS

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		AD49 TRAFFICKING NARCOTICS AD50 IMPORTATION NARCOTICS AD51 CULTIVATION NARCOTICS AE17 EXCISE ACT (LIQUOR) AE18 EXCISE ACT (TOBACCO) AF08 EXPLOSIVES AF32 IMMMIGRATION STATUS AG02 DECEASED AJ53 SUSPECT IN CUSTODY AT00 CRIMINAL TRAFFIC CODE AT77 FAIL TO STOP – REMAIN AT SCENE DN00 DECEASED OFFENDER NOTIFICATION DQ00 C-216 (UNSUITABLE) FL00 TERRORIST ACTIVITY FS20 THREATS FS22 THREATENING LETTERS
Result Type	LCMC Management UI, Submissions Panel	<None> Negative Negative – Not Retained Unsuitable Ident Cancellation – FPS Cancellation – Non FPS Cancellation – Elimination
Response Type	CAR Details Tab	<None> Ident Criminal Ident Refugee Non Ident
Search Operators	ELMO Search Expression Builder Screen	Equals Is Greater Than Is Greater Than or Equal To Is Less Than Is Less Than or Equal To Is Like
Search Result Type Code		Cancelled UL-TP Search Result UL-ULF Search Result UL-FBI Search Result Completed
Search Type	LCMC Management UI,	<None>

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
	Identifications Panel	Auto Search FBI Search First Search Reverse Search Re-Search Suspect Ident
Search Expression Fields	ELMO Search Expression Builder Screen	AFISMiss Archive Caption CAR N Hits Contributor Description Contributor ID Database Filed Date Concluded Date In Date Out DCN DNA Hits Eliminations FBI# FPS ID Ident Date Ident Finger Ident Name Ident Section File No. Identifications Immigration Subject Impressions Received Impressions Used Internal Notes LFO Number Member Minutiae No Convictions No Disposition No Finger Occurrence Number Offence Date Offence Description OSR Code Record Suspension

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		Position Priority Purge Date Refugee Region Filed Respondents Restricted Result Type Search Type Searches Sex Source Type Total Digits ID'd Year Year of Birth (YOB) Young Offender
Setup, Checked, Encoded, Displayed	ELMO Worksheet	A list of all active ELMO users.
Sex	- LCMC Management UI – Additional Info Screen - LCMC Management UI, Identifications Panel	<Unknown> Male Female
Source Type	- LCMC Management UI, Request Panel - ELMO Search Screen	<None> Mail-In AIMS Fax Walk-In Remotes DNA RAFIAS PhotoPhone
States	LCMC Management UI – Additional Info Screen	ALABAMA ALASKA ARIZONA ARKANSAS CALIFORNIA

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		COLORADO CONNECTICUT DELAWARE DISTRICT OF COLUMBIA FBI FLORIDA GEORGIA HAWAII ILLINOIS INDIANA IOWA KANSAS KENTUCKY LOUISIANA MARYLAND MASSACHUSETTS MICHIGAN MINNESOTA MISSISSIPPI MISSOURI MONTANA NEBRASKA NEVADA NEW JERSEY NEW MEXICO NEW YORK NORTH CAROLINA NORTH DAKOTA OHIO OKLAHOMA OREGON PENNSYLVANIA RHODE ISLAND SOUTH CAROLINA SOUTH DAKOTA TENNESSEE TEXAS TRI-STATE AGENCY VIRGINIA WASHINGTON WEST VIRGINIA WESTERN IDENT NETWORK

ELMO Field Values Table		
Field Name	**Location**	**Field Values**
		WISCONSIN

Table 28 : ELMO Field Values Table

6. GLOSSARY OF ACRONYMS AND TERMS

Acronyms	
Acronym	**Definition**
ACAP	As Close As Possible
AFIS	Automated Fingerprint Identification System
CCRTIS	Canadian Criminal Real Time Identification Services
CIO	Chief Information Officer
CJIM	Criminal Justice Information Modernization
CPIC	Canadian Police Information Centre
CREMMS	Criminal Records, Editing, Maintenance, and Monitoring System (An RTID subsystem for entry and maintenance of criminal records.)
DOB	Date of Birth (record layout field name or tag)
ELMO	Electronic Latent Management Operations
FIS	Forensic Identification Services
FPS	Fingerprint Section Number
HRMIS	Human Resource Management Information System
ID	Identification
IRQ	(Fingerprint) Image (retrieval) Request
LDAP	Lightweight Directory Access Protocol
LFS	Latent Fingerprint Images Submission
NIST	National Institute of Standards and Technology (U.S.)
NNS	National Police Services – NIST Server
ORI	Originating Agency Identifier
OSR	Operational Statistics and Reporting Code
PS	Police Service
RAFIAS	Regional Automated Fingerprint Identification Access System (or Subsystem)
RCMP	Royal Canadian Mounted Police
RDIMS	Records, Documents and Information Management System
RTID	Real Time Identification (system)
UI	User Interface
ULF	Unsolved Latent File

Table 29 : Glossary Table