



Systems Delivery and Project Portfolio Management (SDPPM)

AFIS RENEWAL

Annex G to Appendix A: Workflow Examples

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1. INTRODUCTION

1.1 General

1. This Annex G to the Appendix A SOW includes matrices of AFIS/Transcoder related transactions to show examples of the circumstances under which the transactions are used and the most common flow of transactions. These matrices are provided to help the Contractor understand the RTID workflow from an AFIS perspective. There has been no attempt to identify every combination and permutation that could affect the workflow. 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. (I)

2. TEN PRINT SUBMISSIONS

Type of Transaction	Description of Activity	“From” System	“To” System	CAR Y REF Y				IMM Y				MAP N		CAR N		CAR N from FBI ATS N	
				Hit to Same File Type	Hit to different File Type	Hit to 2 or more files	No Hit	Hit to Same File Type	Hit to different File Type	Hit to 2 or more files	No Hit	Hit or No Hit	Hit to 2 or more files	Hit or No Hit	Hit to 2 or more files	Hit or No Hit	Hit to 2 or more files
TPRI	Send to AFIS	NNS	AFIS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TPQCI	Ten Print QC Automated and/or Manual (Applies to search prints only)	AFIS	NNS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STI	“Wait for State” An STI expected for each and every manual activity performed	AFIS	NNS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TPCI	Ten Print Pre-Certification	AFIS	NNS	No	No	Yes	No	No	No	Yes	No	No	Yes	No	Yes	No	Yes
TPCNI	Ten Print Consolidation	AFIS	NNS	No	No	Yes	No	No	No	Yes	No	No	Yes	No	Yes	No	Yes
TPCNRI	Ten Print Consolidation Response	NNS	AFIS	No	No	Yes	No	No	No	Yes	No	No	Yes	No	Yes	No	Yes

Type of Transaction	Description of Activity	“From” System	“To” System	CAR Y REF Y				IMM Y				MAP N		CAR N		CAR N from FBI ATS N	
				Hit to Same File Type	Hit to different File Type	Hit to 2 or more files	No Hit	Hit to Same File Type	Hit to different File Type	Hit to 2 or more files	No Hit	Hit or No Hit	Hit to 2 or more files	Hit or No Hit	Hit to 2 or more files	Hit or No Hit	Hit to 2 or more files
TPREI	Ten Print Search Result	AFIS	NNS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TPAI	Ten Print Amend	NNS	AFIS	No	Yes	No	Yes	No	Yes	No	Yes	No	No	No	No	No	No
TPARI	Ten Print Amend Result	AFIS	NNS	No	Yes	No	Yes	No	Yes	No	Yes	No	No	No	No	No	No
TPULI ¹	Reverse Search Finger	AFIS	NNS	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Yes	Yes	No	No
TPULI	Reverse Search Palm	AFIS	NNS	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Yes	Yes	No	No

¹A configurable parameter in the TPRI, set by the NNS, indicates whether to perform a Reverse Search. The values herein reflect the current settings.

3. CENTRAL LATENT SUBMISSIONS

Table 3-1: LFSNS – Ident					
Type of Transaction	Description of Activity	“From” System	“To” System	Latent ID	Latent Image ID
LFSI	Send to AFIS	NNS	AFIS	AB10527-2016-1234-001	
STI	Wait for Lasso	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-00
LTCI	LT Commit Received	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	LT-TP/ Wait for Verify 1st Certify	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
LSRI	LT-TP Search Result Received (Non-disposition)	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	Wait for Latent Edit	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	LT-TP/ Wait for Verify 1st Certify	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
LSRI	LT-TP Search Result Received (Non-disposition)	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	LT-TP Hit / Wait for 2nd Certify	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
LSRI	LT-TP Search Result Received (Result: Ident)	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	Wait for UL Search	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
LSRLI	LT-UL Search Result Received (Result: Non-ident)	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	Wait for Insert	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	Not Saved to ULF	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	Latent Image Transaction End	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01

Table 3-2: LFSNS – Non-Ident					
Type of Transaction	Description of Activity	“From” System	“To” System	Latent ID	Latent Image ID
LFSI	Send to AFIS	NNS	AFIS	AB10527-2016-1234-001	
STI	Wait for Lasso	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-00
LTCI	LT Commit Received	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	LT-TP/ Wait for Verify 1st Certify	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
LSRI	Latent Search Response (Non-disposition)	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	Wait for Latent Edit	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	LT-TP/ Wait for Verify 1st Certify	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
LSRI	Latent Search Response (Non-disposition)	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
LSRI	Latent Search Response (Result: Non-Ident)	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	Wait for UL Search	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
LSRLI	LT-UL Search Result Received (Result: Non-Ident)	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	Wait for Insert	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	Saved to ULF	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01
STI	Latent Image Transaction End	AFIS	NNS	AB10527-2016-1234-001	AB10527-2016-1234-001-01

Table 3-3: LFSNS – Cancelled					
Type of Transaction	Description of Activity	“From” System	“To” System	Latent ID	Latent Image ID
LFSI	Send to AFIS	NNS	AFIS	BC10293-225-16-001	
STI	Wait for Lasso	AFIS	NNS	BC10293-225-16-001	BC10293-225-16-001-00
LCANI	Latent Cancel	AFIS	NNS	BC10293-225-16-001	BC10293-225-16-001-00

4. TRANSCODER SUBMISSIONS

Table 4-1: MAP			
Type of Transaction	Description of Activity	“From” System	“To” System
MAP	Transaction Initiated	Transcoder	NNS
ACKT	Acknowledgement Ten Print	NNS	Transcoder
SRE	Search Results	NNS	Transcoder
ERRT	Error Issued	NNS	Transcoder

Table 4-2: CAR N with FBI			
Type of Transaction	Description of Activity	“From” System	“To” System
CAR N	Transaction Initiated	Transcoder	NNS
ACKT	Acknowledgement Ten Print	NNS	Transcoder
SRE	Search Results	NNS	Transcoder
FBI SRE	FBI Search Results	NNS	Transcoder
ERRT	Error Issued	NNS	Transcoder
FBI ERRT	FBI Error Issued	NNS	Transcoder

Table 4-3: IRQ			
Type of Transaction	Description of Activity	“From” System	“To” System
IRQ	Transaction Initiated	Transcoder	NNS
IRQI	Send to AFIS Ten Print Image Request	NNS	AFIS
IRRI	Ten Print Image Request Response	AFIS	NNS
IRR	Image Request Response	NNS	Transcoder
ERRI	Image Request Error	NNS	Transcoder

Table 4-4: LFFS					
Type of Transaction	Description of Activity	“From” System	“To” System	Latent ID	Latent Image ID
LFFS	Transaction Initiated	Transcoder	NNS	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
ACKL (LFFS)	Acknowledgement Latent	NNS	Transcoder	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
LFFSI	Send to AFIS	NNS	AFIS	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
SR LI	Process AFIS Response	AFIS	NNS	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
SRL	Latent Fingerprint Search Results	NNS	Transcoder	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
LFSRD	Latent Feature Search Response Disposition	Transcoder	NNS	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
ACKL (LFSRD)	Acknowledgement	NNS	Transcoder	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01

Table 4-4: LFFS					
Type of Transaction	Description of Activity	“From” System	“To” System	Latent ID	Latent Image ID
	Latent				
LFSRDI	Send to AFIS	NNS	AFIS	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
ULE	Unsolved Latent Enrolment	Transcoder	NNS	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
ACKL (ULE)	Acknowledgement Latent	NNS	Transcoder	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
ULEI	Send to AFIS	NNS	AFIS	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
ULERI	Process AFIS Response	AFIS	NNS	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
ULER	Unsolved Latent Enrolment Response	NNS	Transcoder	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
LCLO	Remote Latent Closure	Transcoder	NNS	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
ACKL (LCLO)	Acknowledgement Latent	NNS	Transcoder	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
LCLOI	Send to AFIS	NNS	AFIS	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01
ERRL	Error Issued	NNS	Transcoder	ON30232-16-15229-R1B	ON30232-16-15229-R1B-01

Table 4-5: ULR					
Type of Transaction	Description of Activity	“From” System	“To” System	Latent ID	Latent Image ID
ULR	Transaction Initiated	Transcoder	NNS	ON40015-613-LP09070758-R1	ON40015-613-LP09070758-R1-01

Table 4-5: ULR					
Type of Transaction	Description of Activity	“From” System	“To” System	Latent ID	Latent Image ID
ACKL (ULR)	Acknowledgement Latent	NNS	Transcoder	ON40015-613-LP09070758-R1	ON40015-613-LP09070758-R1-01
ULRI	Send to AFIS	NNS	AFIS	ON40015-613-LP09070758-R1	ON40015-613-LP09070758-R1-01
ULRRI	Process AFIS Response	AFIS	NNS	ON40015-613-LP09070758-R1	ON40015-613-LP09070758-R1-01
ULRR	Unsolved Latent Retrieval Response	NNS	Transcoder	ON40015-613-LP09070758-R1	ON40015-613-LP09070758-R1-01
ERRL	Error Issued	NNS	Transcoder	ON40015-613-LP09070758-R1	ON40015-613-LP09070758-R1-01

Table 4-6: ULD					
Type of Transaction	Description of Activity	“From” System	“To” System	Latent ID	Latent Image ID
ULD	Transaction Initiated	Transcoder	NNS	ON40015-2016-0908048-R1	ON40015-2016-0908048-R1-01
ACKL (ULD)	Acknowledgement Latent	NNS	Transcoder	ON40015-2016-0908048-R1	ON40015-2016-0908048-R1-01
ULDI	Send to AFIS	NNS	AFIS	ON40015-2016-0908048-R1	ON40015-2016-0908048-R1-01
ULDRI	Process AFIS Response	AFIS	NNS	ON40015-2016-0908048-R1	ON40015-2016-0908048-R1-01

Table 4-6: ULD					
Type of Transaction	Description of Activity	“From” System	“To” System	Latent ID	Latent Image ID
ULDR	Unsolved Latent Delete Response	NNS	Transcoder	ON40015-2016-0908048-R1	ON40015-2016-0908048-R1-01
ERRL	Error Issued	NNS	Transcoder	ON40015-2016-0908048-R1	ON40015-2016-0908048-R1-01

5. TEN PRINT DELETE

Table 5-1: TPDI and TPDR			
Note: the originating TOT's could be IMP, IMPI and EMPPI			
Type of Transaction	Description of Activity	"From" System	"To" System
TPDI	Ten Print Delete Request	NNS	AFIS
TPDR	Ten Print Delete Request Result	AFIS	NNS

Table 5-2: PURI			
Type of Transaction	Description of Activity	"From" System	"To" System
ILRI	Image List Retrieval Request (e.g. find print to be purged)	NNS	AFIS
ILRRI	List of Fingerprints available on file	AFIS	NNS
TPDI	Ten Print Delete Request	NNS	AFIS
TPDR	Ten Print Delete Request Result	AFIS	NNS

Table 5-3: TPDI and TPWDI			
Note: for Resend Transactions			
Type of Transaction	Description of Activity	"From" System	"To" System
TPDI	Ten Print Delete - From Resend on NNS	NNS	AFIS
TPDR	Ten Print Delete Result	AFIS	NNS
TPWDI	Ten Print WIP Delete Request	NNS	AFIS
TPWDRI	Ten Print WIP Delete Request Result	AFIS	NNS

6. TEN PRINT FETCH

Table 6-1: IRQ			
Type of Transaction	Description of Activity	“From” System	“To” System
IRQI	Ten Print Image Request	NNS	AFIS
IRRI	Ten Print Image Request Response	AFIS	NNS

Table 6-2: UNC216			
Type of Transaction	Description of Activity	“From” System	“To” System
ILRI	Image List Retrieval Request	NNS	AFIS
ILRRI	List of Fingerprints available on file	AFIS	NNS
IRQI	Ten Print Image Request	NNS	AFIS
IRRI	Ten Print Image Request Response	AFIS	NNS

7. ERROR

Table 7-1: ERRIN			
Type of Transaction	Description of Activity	“From” System	“To” System
ERRIN	Internal Error Transaction	AFIS	NNS

Table 7-2: ERRL			
Type of Transaction	Description of Activity	“From” System	“To” System
ERRL	Latent Submission Error	NNS	Transcoder

Table 7-3: EERRT			
Type of Transaction	Description of Activity	“From” System	“To” System
EERRT	Ten Print Submission Error	NNS	Transcoder

Table 7-4: EERRI (IRQ)			
Type of Transaction	Description of Activity	“From” System	“To” System
EERRI	Image Request Error	NNS	Transcoder

APPENDIX A: ACRONYMS

The following acronyms were used in this document.

Table A-1: Acronyms	
Acronym	Definition
ACKL	Acknowledgement Latent
ACKT	Acknowledgement Ten Print (transaction)
AFIS	Automated Fingerprint Identification System
ATS	Anonymous Ten Print Search (transaction)
CAR	Criminal (Ten Print submission) Answer Required
EMPPI	Internal Employee Enrolment Purge Request
ERRI	Image Request Error (Transaction returned in response to an IRQ transaction that contained errors.)
ERRIN	Error Internal (transaction)
ERRL	Error Latent (submission)
ERRT	Error Ten Print (submission – NPS-NIST ICD)
FBI	Federal Bureau of Investigation (United States)
ID	Identifier
ILRI	Image List Retrieval Internal (transaction)
ILRRI	Image List Retrieval Response (or Result) Internal (transaction)
IMM	Immigration Enrolment (submission)
IMP	Immigration File Purge (submission)
IMPI	Immigration Purge – Internal (submission)
IRQ	(fingerprint) Image (retrieval) Request
IRQI	Image Retrieval Request Internal
IRR	(fingerprint) Image Retrieval Request
IRRI	(fingerprint) Image (retrieval) Request Response (or Result) Internal (transaction)
LCANI	Latent Cancellation Internal (transaction)
LCLO	(remote) Latent Closure
LCLOI	(remote) Latent Closure Internal (transaction)
LFFS	Latent Fingerprint Features Search
LFFSI	Latent Fingerprint Features Search Internal (transaction)
LFSI	Latent Fingerprint (image) Submission Internal (transaction)

Table A-1: Acronyms	
Acronym	Definition
LFSNS	Central Latent Finger Print Submission
LFSRD	Latent (finger print) Features Search Response (or Result) Disposition
LFSRDI	Latent (finger print) Features Search Response (or Result) Disposition Internal (transaction)
LSRI	Latent Submission Result Internal (transaction)
LSRLI	Latent to ULF Search Response
LT	Latent
LTCI	Latent Commit Internal (transaction)
MAP	Miscellaneous Applicant
NNS	National Police Services – National Institute of Standards and Technology (NPS-NIST) Server (RCMP – Transaction and workflow manager for RTID)
PURI	Purge Request Internal (AFIS transaction to the NNS)
QC	Quality Control (ADS flag or environment)
RDIMS	Records, Documents and Information Management System
REF	Refugee (Ten Print – submission)
SDPPM	Systems Delivery and Project Portfolio Management (as of April 2015, this is the new name for “Major Projects Directory”)
SRE	(Ten Print) Search Response (or Result) External (response to an IMM – i.e., from a CAR-N, CAR-Y, MAP, or REF submission)
SRL	Search Response (or Result) Latent
SRLI	Search Response (or Result) Latent Internal (transaction)
STI	Status Transaction Internal (RCMP internal transaction type)
TP	Ten Print
TPAI	Ten Print Amend Internal (transaction)
TPARI	Ten Print Amend Response (or Result) Internal (transaction)
TPCI	Ten Print Commit (pre-certification) Internal (transaction)
TPCNI	Ten Print Consolidation Internal (transaction)
TPCNRI	Ten Print Consolidation Response (or Result) Internal (transaction)
TPDI	Ten Print Delete Internal (transaction)
TPDRI	Ten Print Delete Response (or Result) Internal (transaction)
TPQCI	Ten Print Quality Control (response or result) Internal (transaction)
TPREI	Ten Print Request Response Internal (transaction)

Table A-1: Acronyms	
Acronym	Definition
TPRI	Ten Print Request Internal (transaction)
TPSEI	Ten Print Direct Scan and File on AFIS
TPULI	Ten Print to Unsolved Latent (print – response or result) Internal (transaction)
TPWDI	Ten Print WIP Delete Request Internal
TPWDRI	Ten Print WIP Delete Request Result
UL	Latent to Unsolved Latent (search and match report)
ULD	Unsolved Latent Delete
ULDI	Unsolved Latent Delete Internal (transaction)
ULDR	Unsolved Latent Delete Response (or Result)
ULDRI	Unsolved Latent Delete Response (or Result) Internal (transaction)
ULE	Unsolved Latent Enrolment
ULEI	Unsolved Latent Enrolment Internal (transaction)
ULER	Unsolved Latent Enrolment Retrieval
ULERI	Unsolved Latent Enrolment Retrieval Internal (transaction)
ULF	Unsolved Latent File
ULR	Unsolved Latent Retrieval
ULRI	Unsolved Latent Retrieval Internal (transaction)
ULRR	Unsolved Latent Retrieval Response (or Result)
ULRRI	Unsolved Latent Retrieval Response (or Result) Internal (transaction)
WBS	Work Breakdown Structure
WIP	Work In Progress