



County ABIS
INTERFACE CONTROL DOCUMENT
Florida Department of Law Enforcement

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Revision History

Version	Date	Description	Author
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1.1	April 24, 2024	Section 2.1.1: Added Type-10 to CTIS. Section 2.2.1: Changed the CIDO FBI response TOT to FBI-SRT. Section 2.3.2: Added the FBI-SRT definition. Section 2.3.2: Updated conditions for field 2.015. Added Name as optional for CQSRE.	PWS
1.2	May 28, 2024	Sections 2.1.3, 2.5.1, 2.5.2: Added DHSMV transactions.	PWS
1.3	June 14, 2024	Section 2.1.1: Changed Add-On Charge error transaction to Add-On Charge Error (CHGE). Section 2.3.2: Added Add-On Charge Error (CHGE) transaction.	PWS

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1 Introduction

1.1 Purpose

This document provides the system interface controls and description for the Florida Department of Law Enforcement (FDLE) Multi-Biometric Identification Solution (MBIS) and the County ABIS sites.

1.2 Reference Documents

1. MBIS Requirements Definition Document Florida Department of Law Enforcement (FDLE), RDD-FL-FDLE
2. MBIS Data Dictionary Florida Department of Law Enforcement (FDLE), DD-FL-FDLE
3. FBI Electronic Biometric Transmission Specification (EBTS), Version 11.1 November 17, 2022
4. American National Standard for Information Systems – Data Format for the Interchange of Fingerprint, Facial, & Scar Mark & Tattoo (SMT) Information, National Institute of Standards and Technology (NIST) Document ANSI/NIST-ITL 1-2011 Update: 2015

1.3 NIST Record Definitions

Refer to the FDLE MBIS Data Dictionary or the FBI EBTS for the Type-2 descriptor field definitions.

Refer to the FBI EBTS and ANSI/NIST specifications for the following NIST record definitions.

- Type-1: Header
- Type-4: 500ppi Fingerprint Data
- Type-7: Fingerprint Card Image Data
- Type-9: Minutiae Data
- Type-10: Photo Data
- Type-13: Latent Image Data
- Type-14: Variable Resolution Fingerprint Data
- Type-15: Palmprint Data
- Type-17: Iris Data

2 Interface Specification

This section describes the messaging protocol and transaction definitions for the interface between the County ABIS sites and the FDLE MBIS.

2.1 Transactions

The following tables show the interface transactions sent between the County ABIS sites and MBIS. The submissions are initiated by County ABIS sites and the responses are returned by the MBIS.

2.1.1 Tenprints

Submission	TOT	NIST Types	Response	TOT	NIST Types
Criminal Tenprint Submission (Simplex)	CRIM	1,2,4,10,15,17	Search Results (Final)	SRE	1,2
			Tenprint Transaction Error	ERRT	1,2
			FBI Search Results	FBI-SRE	1,2
			Biometric Image Response	FBI-FISR	1,2
Registrant	REG	1,2,4,10,15,17	Search Results (Final)	SRE	1,2
			Tenprint Transaction Error	ERRT	1,2
			FBI Search Results	FBI-SRE	1,2
			Biometric Image Response	FBI-FISR	1,2
County ID Only	CIDO	1,2,4	FDLE Search Results	CISRE	1,2
			Tenprint Error	ERRT	1,2
			FBI Search Results	FBI-SRT	1,2
Add-On Charge	CHG	1,2,4	Add-On Charge Results	CHGR	1,2
			Add-On Charge Tenprint Error	CHGEER RT	1,2
County to FDLE Tenprint Image Search	CTIS	1,2,4,10,15,17	Tenprint Verification Image Results	CSRT	XML* WSQ
			Tenprint Error	ERRT	1,2
County to FDLE Search Results	CSRE	1,2	--	--	--
County to FDLE Identification Segment Request	CIS	1,2	Identification Segment Response	CISR	1,2
			Tenprint Error	ERRT	1,2
County to FDLE Quality Control and Tenprint Image Search	CQTIS	1,2,4,10,15,17	FDLE Search Results	CQSRE	1,2
			Tenprint Error	ERRT	1,2
FDLE Tenprint Hit	NISTHIT	1,2,4,10,15,17	FBI/Final Search Results	FBI-SRE	1,2
			Tenprint Error	ERRT	1,2
			Biometric Image Response	FBI-FISR	1,2
FDLE Tenprint No-Hit	NISTNOHIT	1,2,4,10,	FBI/Final Search Results	FBI-SRE	1,2

Submission	TOT	NIST Types	Response	TOT	NIST Types
		15,17	Tenprint Error	ERRT	1,2
			Biometric Image Response	FBI-FISR	1,2
FDLE Tenprint Search	NISTSRCH	1,2,4,10,15,17	Search Results (Final)	SRE	1,2
			Tenprint Transaction Error	ERRT	1,2
			FBI Search Results	FBI-SRE	1,2
			Biometric Image Response	FBI-FISR	1,2

2.1.2 Latents

Submission	TOT	NIST Types	Response	TOT	NIST Types
County to FDLE Latent Search	LFS	1,2,9,13	Latent Verification Image Results	CSRL	XML* WSQ
			Latent Error	ERRL	1,2
Latent Friction Ridge Features Search	LFFS	1,2,4,9	Search Results Latent	SRL	1,2,4,15
			Latent Error	FBI-ERRL	1,2
County to FDLE Latent Disposition Request	CLDR	1,2	--	--	--
--	--	--	Unsolved Latent Match	ULM	1,2,4,7,13,14,15
Biometric Decision Submission	BDEC	1,2	Biometric Decision Response	BDECR	1,2
			Administrative Transaction Error	ERRA	1,2
Unsolved Latent Record Delete Request	ULD	1,2	Unsolved Latent Delete Response	ULDR	1,2
			Latent Transaction Error	FBI-ERRL	1,2
Biometric Delete Request	BDEL	1,2	Biometric Delete Response	BDELR	1,2
			Administrative Transaction Error	ERRA	1,2

* XML: Extensible Markup Language, WSQ: Wavelet Scalar Quantization

2.1.3 Face

Submission	TOT	NIST Types	Response	TOT	NIST Types
Facial Recognition Search Request	FRS	1,2,10	Search Results Biometric	SRB	1,2,10
			Biometric Search Error Response	ERRB	1,2
County Facial Recognition Search Request	CFRS	1,2,10	County Search Results Biometric	CSRB	1,2,10
			Biometric Search Error Response	ERRB	1,2
DHSMV Face Identify Request	SFID	1,2,10	DHSMV Face Identify Results	SFIR	1,2,10

2.2 Protocol

The interface will exchange transactions in NIST format via Simple Mail Transfer Protocol (SMTP) and Post Office Protocol 3 (POP3) / Internet Message Access Protocol (IMAP4) for responses.

2.3 Tenprint Transaction Definitions

This section provides the tenprint Type-2 transaction definitions.

2.3.1 Submissions

Refer to the Data Dictionary, County ABIS Tenprint Descriptors section, for the tenprint submission definitions initiated by County ABIS sites.

2.3.2 Responses

The following table shows the response transaction definitions returned by the MBIS.

Column Name	Description
Field Number	NIST numbering of the field.
Field Name	A brief description of the field contents.
Table	M = Mandatory, O = Optional, C = Conditional
SRE	FDLE Final Search Results fields.
ERRT	FDLE Tenprint Transaction Error fields.
FBI-SRE	FBI Search Results fields.
FBI-SRT	FBI Tenprint Search Result fields.
FBI-FISR	FBI Biometric Image Response fields.
CSRT	Refer to Section 2.3.3.
CISR	Identification Segment Response fields.
CQSRE	FDLE Search Results fields.
CISRE	FDLE Search Results fields.
CHGR	Add-On Charge Results transaction fields.
<u>CHGE</u>	<u>Add-On Charge Error transaction fields.</u>

Note: The FDLE MBIS will add the Incident ID, SID, and OBTS Number fields to the FBI-SRE and FBI-FISR responses before returning the transactions to the originating County ABIS.

Field Num	Field Name	SRE	ERRT	FBI-SRE	FBI-SRT	FBI-FISR	CISR	CQSRE	CISRE	CHGR	CHGE
2.006	Attention Indicator			O	O	M					
2.007	Send Copy To			O	O	O	O				
2.009	Incident ID	M	M	M	O	M	M	M	M	M	<u>M</u>
2.014	FBI Number			O		M	O				
2.015	Person ID/State ID/DLE Number	M		O		O	M	C	C		
2.016	Social Security Number						O				
2.017	Miscellaneous Number						O				
2.018	Name	M	M	M		O	M	O	M		<u>M</u>
2.019	Aliases						O				
2.020	Place of Birth						M				
2.021	Country of Citizenship						O				
2.022	Date of Birth						M				
2.024	Sex						M				
2.025	Race						M				
2.026	Scars, Marks & Tattoos						O				
2.027	Height						M				
2.029	Weight						M				
2.031	Eye color						M				
2.032	Hair color						M				
2.039	Employer and Address			O	O		O				
2.040	Occupation			O	O		O				
2.041	Residence of Person Fingerprinted			O	O		O				
2.045	Date of Arrest						M				
2.047	Arrest Segment Literal						M				
A	Date of Offense						O				
C	Arrest Offense Literal						M				
2.059	Search Results Findings			M							
2.060	Status/Error Message		M		O	O					<u>M</u>
2.064	Candidate List				O						
A	Universal Control Number				M						
B	Name				M						
2.070	Request For Criminal History						O				

Field Num	Field Name	SRE	ERRT	FBI-SRE	FBI-SRT	FBI-FISR	CISR	CQSRE	CISRE	CHGR	CHGE
2.071	Action To Be Taken						O				
2.072	Fingerprint Image(s) Updated					O					
2.073	Controlling Agency Identifier			M	O	M					
2.075	Electronic Rap Sheet			O							
2.079	Number of Candidates Returned				M						
2.084	Amputated or Bandaged				O						
A	Finger Position				O						
B	Amputated or Bandaged Code				O						
2.087	Treat as Adult?			O			O				
2.551	Arrest Sequence Number						M				
2.552	OBTS Number	M	M	M		M	M	M	M	M	M
2.554	Juvenile/Adult Status						M				
2.558	NCIC Charge Code						M				
2.559	Florida State Statute #						O				
2.560	Degree of Charge						M				
2.561	Level of Arrest						M				
2.562	General Offense Character						M				
2.563	Number of Counts for the Charge						M				
2.564	Arrest Disposition Number						M				
2.565	Arrest Disposition Literal						O				
2.569	Domestic Violence Flag						C				
2.576	Reel						O				
2.577	Frame						O				
2.581	Drug Flag						O				
2.582	City of Residence						O				
2.583	State of Residence						O				
2.599	Local Booking Number	O	M						O		M
2.622	Fingerprinted By						M				
2.627	Search Result Summary	M						M	M		
2.2010	Number of Images Requested				M						
2.2033	Candidate Investigative List				O						
A	Subject Identifier				O						
B	Master Name				O						
C	Biometric Set Identifier				O						
D	Image Type				O						

Field Num	Field Name	SRE	ERRT	FBI-SRE	FBI-SRT	FBI-FISR	CISR	CQSRE	CISRE	CHGR	CHGE
E	Friction Ridge Generalized Position				O						
F	Print Position Descriptor				O						
G	Match Score				O						
H	Biometric Image Available				O						
I	Name of Designated Repository				O						
J	Information Designation Character				O						
K	Note Field				O						
L	Subject Pose				O						
M	NCIC SMT Code				O						
2.2061	Biometric Image Enrollment					O					
A	Biometric Set Identifier					O					
B	Image Type					O					
C	Subject Pose					O					
D	Scars, Marks, and Tattoos					O					

2.3.3 Tenprint Verification Image Results

The FDLE MBIS returns the Tenprint Verification Image Results (CSRT) transaction to the County ABIS in response to a CTIS submission. The CSRT transaction contains the search results verification images from the FDLE tenprint search in a Java Archive (JAR) file with the following:

- XML Descriptor File
- For each respondent:
 - 0 to 14 WSQ Fingerprint Image Files as follows:
 - 10 Rolled Impressions
 - 4 Sets of Plain Impressions

The following table shows the CSRT XML response transaction definition.

Column Name	Description
Field Number	NIST numbering of the field.
Field Name	A brief description of the field contents.
XML Tag	MBIS XML field tag name.
Table	M = Mandatory, O = Optional
CSRT	Tenprint Verification Image Results fields.

Field Num	Field Name	XML Tag	CSRT
2.009	Originating Agency Case Number	<OriginatingAgencyCaseNumber>	M
--	Candidate List DLE Numbers	<CandidateListDLENumbers>	O
2.073	Controlling Agency Identifier	<ControllingAgencyIdentifier>	O
2.079	Number of Candidates Returned	<NumberOfCandidatesImagesReturned>	O
2.552	OBTS Number	<OBTS>	M

2.4 Latent Transaction Definitions

This section provides the latent Type-2 transaction definitions.

2.4.1 Submissions

The following table shows the latent submission transaction definitions initiated by County ABIS sites.

Column Name	Description
Field Number	NIST numbering of the field.
Field Name	A brief description of the field contents.
Table	M = Mandatory, O = Optional
LFS	County to FDLE Latent Search submission fields.
LFFS	FBI Latent Friction Ridge Features Search fields.
CLDR	County to FDLE Latent Disposition Request fields.
BDEC	FBI Biometric Decision Submission fields.
ULD	FBI Unsolved Latent Record Delete Request fields.
BDEL	FBI Biometric Delete Request fields.

Field Num	Field Name	LFS	LFFS	CLDR	BDEC	ULD	BDEL
2.006	Attention Indicator		M		M	M	M
2.007	Send Copy To		O			O	
2.010	Contributor Case Identifier Number		M			M	O
A	Contributor Case Prefix		M			M	O
B	Contributor Case ID		M			M	O
2.011	Contributor Case Identifier Extension		M			M	O
2.014	FBI Number				M		O
2.020	Place of Birth		O				
2.023	Age Range		O				
2.024	Sex	O	O				
2.025	Race	O	O				
2.026	Scars, Marks & Tattoos		O				
2.028	Height Range		O				
2.030	Weight Range		O				
2.031	Eye color		O				
2.032	Hair color		O				
2.034	Pattern Level Classifications		O				

Field Num	Field Name	LFS	LFFS	CLDR	BDEC	ULD	BDEL
A	Finger Position		O				
B	Pattern Classification Code		O				
2.044	Geographical Area of Search		O				
2.059	Search Results Findings				M		
2.067	Image Processing		O				
A	Make		O				
B	Model		O				
C	Serial Number		O				
2.073	Controlling Agency Identifier		O		M	O	M
2.074	Finger Position	O	O		O		
2.079	Number of Candidates Returned	M	O				
2.083	Unsolved Biometric File		O				
2.086	Subject Control Number					M	
2.088	Note Field		O				
2.091	Ridge Core Delta One for Subpattern Classification		O				
A	Finger Position		O				
B	Ridge Count Number 1		O				
2.092	Ridge Core Delta Two for Subpattern Classification		O				
A	Finger Position		O				
B	Ridge Count Number 2		O				
2.095	Request Features Record		O				
2.098	Name of Designated Repository		O				
2.603	Year of Birth	O					
2.604	Latent ID	M		M			
2.632	Add Record To Database	M					
2.652	Database to Search	M					
2.2010	Number of Images Requested		O				
2.2029	Biometric Set Identifier				O		O
2.2030	Print Position Descriptor		O				
A	Friction Ridge Generalized Position		O				
B	Finger Image Code		O				
2.2034	Unsolved Latent Retained				O		

2.4.2 Responses

The following table shows the response transaction definitions returned by the MBIS.

Column Name	Description
Field Number	NIST numbering of the field.
Field Name	A brief description of the field contents.
Table	M = Mandatory, O = Optional
CSRL	Refer to Section 2.4.3.
ERRL	FDLE Latent Error fields.
SRL	FBI Search Results Latent fields.
FBI-ERRL	FBI Latent Error fields.
ULM	FBI Unsolved Latent Match fields.
BDECR	FBI Biometric Decision Response.
ULDR	FBI Unsolved Latent Record Delete Response fields.
BDELRL	FBI Biometric Delete Response fields.
ERRA	FBI Administrative Transaction Error fields.

Field Num	Field Name	ERRL	SRL	FBI-ERRL	ULM	BDECR	ULDR	BDELRL	ERRA
2.006	Attention Indicator		M	O	M	M	M	M	O
2.007	Send Copy To		O	O			O		O
2.009	Incident ID	O							
2.010	Contributor Case Identifier Number		M	O	M		M	O	
A	Contributor Case Prefix		M	O	M		M	O	
B	Contributor Case ID		M	O	M		M	O	
2.011	Contributor Case Identifier Extension		M	O	M		M	O	
2.014	FBI Number		O		O	M		M	
2.017	Miscellaneous Number			O					
2.018	Name	O			O				
2.019	Aliases				O				
2.020	Place of Birth				O				
2.021	Country of Citizenship				O				
2.022	Date of Birth				O				
2.024	Sex				O				
2.025	Race				O				
2.026	Scars, Marks & Tattoos				O				

Field Num	Field Name	ERRL	SRL	FBI-ERRL	ULM	BDECR	ULDR	BDELR	ERRA
2.027	Height				O				
2.029	Weight				O				
2.031	Eye color				O				
2.032	Hair color				O				
2.035	Palprints Available Indicator				O				
2.036	Photo Available Indicator				O				
2.038	Date Printed				O				
2.060	Status/Error Message	O	O	O	O	O		O	M
2.061	Case Title			O					
2.062	Image Type				O				
2.064	Candidate List		O						
A	Universal Control Number		O						
B	Name		O						
2.073	Controlling Agency Identifier		O	O	O	M	O	M	O
2.074	Finger Position		O		M				
2.079	Number of Candidates Returned (NCR)		M						
2.083	Unsolved Biometric File		O						
2.086	Subject Control Number		O		M		M		
2.088	Note Field		O						
2.089	Matchscore		O						
2.2010	Number of Images Requested		M						
2.2029	Biometric Set Identifier				O				
2.2030	Print Position Descriptor				O				
A	Friction Ridge Generalized Position				O				
B	Finger Image Code				O				
2.2031	Biometric Image Available				O				
2.2033	Candidate Investigative List		O						
A	Subject Identifier		O						
B	Master Name		O						
C	Biometric Set Identifier		O						
D	Image Type		O						
E	Friction Ridge Generalized Position		O						
F	Print Position Descriptor		O						
G	Match Score		O						
H	Biometric Image Available		O						

Field Num	Field Name	ERRL	SRL	FBI-ERRL	ULM	BDECR	ULDR	BDELR	ERRA
I	Name of Designated Repository		O						
J	Information Designation Character		O						
K	Note Field		O						
L	Subject Pose		O						
M	NCIC SMT Code		O						

2.4.3 Latent Verification Image Results

The FDLE MBIS returns the Latent Verification Image Results (CSRL) transaction to the County ABIS in response to a LFS submission. The CSRL transaction contains the search results verification images from the FDLE latent search in a Java Archive (JAR) file with the following:

- XML Descriptor File
- 0 to NCR WSQ Fingerprint Image Files

The following table shows the CSRL XML response transaction definition.

Column Name	Description
Field Number	NIST numbering of the field.
Field Name	A brief description of the field contents.
XML Tag	MBIS XML field tag name.
Table	M = Mandatory, O = Optional
CSRL	FDLE Latent Verification Image Results fields.

Field Num	Field Name	XML Tag	CSRL
2.009	Originating Agency Case Number	<OriginatingAgencyCaseNumber>	O
--	Candidate List DLE Numbers	<CandidateListDLENumbers>	O
2.073	Controlling Agency Identifier	<ControllingAgencyIdentifier>	O
2.074	Finger Position	<FingerPosition>	O
2.079	Number of Candidates Returned	<NumberOfCandidatesImagesReturned>	M
2.083	Unsolved Latent File	<UnsolvedLatentFile>	O
2.089	Matchscore	<Matchscore>	O

2.5 Facial Transaction Definitions

This section provides the facial Type-2 transaction definitions.

2.5.1 Submissions

The following table shows the submission transaction definitions initiated by County ABIS sites.

Column Name	Description
Field Number	NIST numbering of the field.
Field Name	A brief description of the field contents.
Table	M = Mandatory, O = Optional
CFRS	County Facial Recognition Search Request submission fields.
FRS	FBI Facial Recognition Search Request submission fields.
SFID	DHSMV Face Identify Request fields.

Field Num	Field Name	CFRS	FRS	SFID
2.006	Attention Indicator	M	M	
2.007	Send Copy To	O	O	
2.010	Contributor Case Identifier Number	M	M	
A	Contributor Case Prefix	M	M	
B	Contributor Case ID	M	M	
2.011	Contributor Case Identifier Extension	M	M	
2.020	Place of Birth	O	O	
2.021	Country of Citizenship	O	O	
2.022	Date of Birth	O	O	
2.023	Age Range	O	O	
2.024	Sex	O	O	O
2.025	Race	O	O	O
2.026	Scars, Marks & Tattoos		O	
2.028	Height Range	O	O	
2.030	Weight Range	O	O	
2.031	Eye color	O	O	O
2.032	Hair color	O	O	O
2.044	Geographical Area of Search		O	
2.067	Image Processing	O	O	
A	Make	O	O	
B	Model	O	O	
C	Serial Number	O	O	

Field Num	Field Name	CFRS	FRS	SFID
2.073	Controlling Agency Identifier	M	M	
2.079	Number of Candidates Returned	O	O	
2.083	Unsolved Biometric File		O	
2.088	Note Field		O	
2.098	Name of Designated Repository		O	
2.2010	Number of Images Requested		O	
2.2036	Subject Pose		O	

2.5.2 Responses

The following table shows the county and FBI response transaction definitions returned by the MBIS.

Column Name	Description
Field Number	NIST numbering of the field.
Field Name	A brief description of the field contents.
Table	M = Mandatory, O = Optional
CSRB	County Search Results Biometric response fields.
SRB	FBI Search Results Biometric response fields.
ERRB	County/FBI Biometric Search Error Response fields.
SFIR	DHSMV Face Identify Results

Field Num	Field Name	CSRB	SRB	ERRB	SFIR
2.006	Attention Indicator	M	M	O	
2.007	Send Copy To	O	O	O	
2.010	Contributor Case Identifier Number	O	O	O	
A	Contributor Case Prefix	O	O	O	
B	Contributor Case ID	O	O	O	
2.011	Contributor Case Identifier Extension	O	O		
2.014	FBI Number		O		
2.017	Miscellaneous Identification Number			O	
2.060	Status/Error Message	O	O	M	
2.061	Case Title			O	
2.073	Controlling Agency Identifier	O	O	O	
2.079	Number of Candidates Returned	M	M		
2.083	Unsolved Biometric File		O		

Field Num	Field Name	CSRB	SRB	ERRB	SFIR
2.088	Note Field		O		
2.2010	Number of Images Requested		M		
2.2033	Candidate Investigative List	O	O		O
A	Subject Identifier	O	O		O
B	Master Name	O	O		O
C	Biometric Set Identifier	O	O		O
D	Image Type	O	O		
E	Friction Ridge Generalized Position	O	O		
F	Print Position Descriptor	O	O		
G	Match Score	O	O		
H	Biometric Image Available	O	O		
I	Name of Designated Repository	O	O		
J	Information Designation Character	O	O		
K	Note Field	O	O		
L	Subject Pose	O	O		
M	NCIC SMT Code	O	O		
2.2073	Biometric Image List	O	O		O
A	Subject Identifier	O	O		O
B	Biometric Set Identifier	O	O		O
C	Biometric Capture Date	O	O		O
D	Image Type	O	O		