



MorphoBIS
INTERFACE CONTROL DOCUMENT
Arkansas State Police

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Alexandria, VA USA

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Revision History

Version	Date	Description
1.0	January 24, 2013	Document Creation
2.0	January 31, 2013	Computerized Criminal History Section: Added the Descriptor Add Error (DESCE) transaction and indicated that this transaction is a text file and is formatted to email and sent the AFIS email account. Non-MorphoTrak Device Section: Added the Miscellaneous Applicant Civil (MAP) transaction.
2.1	November 14, 2013	Trigger File Notification: added NIST file extension.

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1 Introduction

1.1 Purpose

The Interface Control Document (ICD) identifies all communications which the Arkansas State Police (ASP) Automated Fingerprint Identification System (AFIS) will perform with the following external systems.

- Computerized Criminal History (CCH)
- Information Network of Arkansas (INA)
- Non-MorphoTrak Device Interface
- Federal Bureau of Investigation Next Generation Identification (FBI NGI)

1.2 Reference Documents

The following documents were used in the preparation of the ICD:

- 1) MorphoBIS Requirements Definition Document Arkansas State Police, Document Number 0004-PF0048A
- 2) MorphoBIS Data Dictionary Arkansas State Police, Document Number 0007-PF0048A
- 3) IAFIS-DOC-01078-9.3: Electronic Biometric Transmission Specification (EBTS), Version 9.3, December 9, 2011
- 4) ANSI/NIST-ITL 1-2011: American National Standard for Information Systems Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information, November 2011

1.3 Project Assumptions

The following are the assumptions used in defining the system's ICD:

- Target audience is familiar with industry standard protocols
- Target audience is familiar with industry standard NIST notation

2 Computerized Criminal History

This section describes the messaging protocols and contents between the ASP AFIS and the CCH.

2.1 Message Protocol

The ASP AFIS shall utilize FTP protocol to transfer information to the CCH. A directory on the DES shall exist for data files transmitted to the CCH. The FTP protocol will require the proper access rights and permissions to send the files.

2.2 Trigger File Notification

The CCH interface will use trigger files to notify the CCH that all the data has been written to the file. The trigger file does not contain any information of significance. The trigger file name format is as follows:

<NIST data file name>.<trigger file extension>

The NIST data file name format will be as follows:

<NIST data file name>.<NIST file extension>

Trigger file notification will not be used for response transactions.

2.2.1 File Name

The NIST data file name shall be the same as the Booking ID number. If the Booking ID is "110101960021," then the NIST data file name is "110101960021.nst" The trigger file extension shall be ".done." If the NIST file name is "110101960021.nst", then the trigger file name is "110101960021.done".

2.3 Message Flow

The following table provides the transactions sent between the ASP AFIS and the ASP AFIS. The DESC transaction shall be in NIST format and the DESCE will be a text file.

TOT	Description	Originates	Target	In Response To
DESC	Descriptor Add Request	ASP AFIS	CCH	--
DESCE	Descriptor Add Error	CCH	ASP AFIS	DESC

2.4 Message Content

The following sections define the messages communicated between the ASP AFIS and the CCH.

2.4.1 Descriptor Add Request (DESC)

2.4.1.1 Description

The Descriptor Add Request (DESC) transaction is used to add criminal descriptors to the CCH. The types and quantities of logical records included in a DESC transaction are as follows.

The types and quantities of the logical records in this transaction are:

- 1 Type-1: Header Record
- 1 Type-2: Descriptor Record

2.4.1.2 NIST Fields

Refer to the MorphoBIS Data Dictionary Arkansas State Police, Document Number 0007-PF0048A for the field definitions.

M = Mandatory, O = Optional, C = Conditional

Field Num	Field Name	CCH DESC
1.01	Logical Record Length	M
1.02	Version Number	M
1.03	File Content	M
1.04	Type of Transaction	M
1.05	Date	M
1.06	Transaction Priority	O
1.07	Destination Agency Identifier	M
1.08	Originating Agency Identifier	M
1.09	Transaction Control Number	M
2.001	Logical Record Length	M
2.002	Image Designation Character	M
2.017	Incident ID (ATN)	M
2.015	State ID	M
2.707	Record Type	M
2.702	Last Name	M
2.701	First Name	M
2.703	Middle Name	O
2.704	Suffix	O
2.024	Sex	M

Field Num	Field Name	CCH DESC
2.025	Race	M
2.027	Height	M
2.029	Weight	M
2.031	Eye Color	M
2.032	Hair Color	M
2.802	Skin Tone	O
2.022	Date of Birth	M
2.020	State of Birth	M
2.019	City of Birth	O
2.021	Country of Citizenship	O
2.016	Social Security Number	M
2.765	Driver's License Number	O
2.857	Miscellaneous Number	O
2.014	FBI Number	O
2.850	Alias Name	O
	Alias Last Name	O
	Alias First Name	O
	Alias Middle Name	O
	Alias Name Suffix	O
2.851	Alias Date of Birth	O
2.750	Charge Information	O
	Charge Code	M
	Charge Date	M
	Charge Info	M
2.855	Arresting Officer	O
	Last Name	O
	First Name	O
	Middle Initial	O
	Name Suffix	O
2.045	Date of Arrest	M
2.880	Originating Agency ID	M
2.803	Case Number	O
2.859	Arrest Location	O
2.036	Photo Available	O
2.035	Palm Prints Available	O
2.852	Caution	O
	Caution	O
	Caution Code	O
2.056	Additional Information	O
2.041	Subject's Residence	O
	Street Number	O

Field Num	Field Name	CCH DESC
	Street Name	O
	Apartment Number	O
	Rural Route	O
	Rural Route Box	O
	City	O
	State	O
	Zip Code	M
2.039	Employer	O
2.040	Occupation	O
2.882	Amputation	O
2.877	Deformities	
2.720	Scar Information	O
	Scar Type	O
	Scar Location	O
2.721	Mark Information	O
	Mark Type	O
	Mark Location	O
2.722	Tattoo Information	O
	Tattoo Type	O
	Tattoo Location	O
	Tattoo Literal	O
2.879	Moles	O
	Mole Type	O
	Mole Location	O
2.865	Other Address	O
	Other's Name	O
	State	O
	City	O
	Zip Code	O
	Rural Route	O
	Rural Route Box	O
	Street Name	O
	Street Number	O
	Apartment Number	O
2.862	Father's Address	O
	Father's Name	O
	State	O
	City	O
	Zip Code	O
	Rural Route	O
	Rural Route Box	O

Field Num	Field Name	CCH DESC
	Street Name	0
	Street Number	0
	Apartment Number	0
2.863	Mother's Address	0
	Mother's Name	0
	State	0
	City	0
	Zip Code	0
	Rural Route	0
	Rural Route Box	0
	Street Name	0
	Street Number	0
	Apartment Number	0
2.864	Spouse's Address	0
	Spouse's Name	0
	State	0
	City	0
	Zip Code	0
	Rural Route	0
	Rural Route Box	0
	Street Name	0
	Street Number	0
	Apartment Number	0
2.866	Non-Relative's Address	0
	Non-Relative's Name	0
	State	0
	City	0
	Zip Code	0
	Rural Route	0
	Rural Route Box	0
	Street Name	0
	Street Number	0
	Apartment Number	0

2.4.2 Descriptor Add Error (DESCE)

2.4.2.1 Description

The Descriptor Add Error (DESCE) transaction from the CCH is a text file rather than a NIST file. After AFIS receives this transaction, a script shall modify the response to email format and send the message to the ASP email account. The email shall have the following format.

From: steve@arns01.asp_iafis.state.ar.us
To: acicresp@arns01.asp_iafis.state.ar.us
Date: <Sat, 26 Jan 2013 18:01:01 -0600>
Subject: <Tracking Number> DESCE

<Tracking Number>
2.060: <Status/Error Message>

3 Information Network of Arkansas

This section describes the messaging protocols and contents between the ASP AFIS and the INA.

3.1 Message Protocol

The ASP AFIS shall utilize FTP protocol to transfer information to the INA. A directory on the DES shall exist for data files transmitted to the INA. The FTP protocol will require the proper access rights and permissions to send the files.

3.2 Trigger File Notification

The INA interface will use trigger files to notify the INA that all the data has been written to the file. The trigger file does not contain any information of significance. The trigger file name format is as follows:

<NIST data file name>.<trigger file extension>

The NIST data file name format will be as follows:

<NIST data file name>

3.2.1 File Name

The NIST data file name shall be the same as the Booking ID number. If the Booking ID is “110101960021,” then the NIST data file name is “110101960021.” The trigger file extension shall be “.done.” If the NIST file name is “110101960021”, then the trigger file name is “110101960021.done”.

3.3 Message Flow

The following table provides the transactions sent from the ASP AFIS to the INA. The SRE and ERRT transactions shall be in NIST format and are a result of the FBI search. There are no response transactions.

TOT	Description	Originates	Target	In Response To
SRE	Search Results - Electronic	FBI/ASP AFIS	INA	--
ERRT	Tenprint Transaction Error	FBI/ASP AFIS	INA	--

3.4 Message Content

The following sections define the messages communicated between the ASP AFIS/FBI and the INA.

3.4.1 Search Results - Electronic (SRE)

3.4.1.1 Description

This transaction contains the FBI search results for an applicant search. The types and quantities of logical records included in a SRE transaction are as follows.

The types and quantities of the logical records in this transaction are:

- 1 Type-1: Header Record
- 1 Type-2: Descriptor Record

3.4.1.2 NIST Fields

Refer to the MorphoBIS Data Dictionary Arkansas State Police, Document Number 0007-PF0048A for the field definitions.

M = Mandatory, O = Optional, C = Conditional

Field Num	Field Name	SRE
1.001	Logical Record Length	M
1.002	Version Number	M
1.003	File Content	M
1.004	Type of Transaction	M
1.005	Date	M
1.006	Transaction Priority	O
1.007	Destination Agency Identifier	M
1.008	Originating Agency Identifier	M
1.009	Transaction Control Number	M
1.010	Transaction Control Reference	O
1.011	Native Scanning Resolution	O
1.012	Nominal Transmitting Resolution	O
2.001	Logical Record Length	M
2.002	Image Designation Character	M
2.006	Attention Indicator	O
2.009	Originating Agency Case Number	O
2.014	FBI Number	O
2.015	State ID	M
2.018	Name	M

Field Num	Field Name	SRE
2.039	Employer and Address	O
2.040	Occupation	O
2.041	Residence of Person Fingerprinted	O
2.059	Search Results Findings	M
2.073	Controlling Agency Identifier	M
2.075	Electronic Rap Sheet	O
2.085	Civil Record Number	O

3.4.2 Tenprint Transaction Error (ERRT)

3.4.2.1 Description

This transaction will be sent to the INA if an error occurs with the FBI search. The types and quantities of logical records included in an ERRT transaction are as follows.

The types and quantities of the logical records in this transaction are:

- 1 Type-1: Header Record
- 1 Type-2: Descriptor Record

3.4.2.2 NIST Fields

Refer to the MorphoBIS Data Dictionary Arkansas State Police, Document Number 0007-PF0048A for the field definitions.

M = Mandatory, O = Optional, C = Conditional

Field Num	Field Name	ERRT
1.001	Logical Record Length	M
1.002	Version Number	M
1.003	File Content	M
1.004	Type of Transaction	M
1.005	Date	M
1.006	Transaction Priority	O
1.007	Destination Agency Identifier	M
1.008	Originating Agency Identifier	M
1.009	Transaction Control Number	M
1.010	Transaction Control Reference	O
1.011	Native Scanning Resolution	O
1.012	Nominal Transmitting Resolution	O
2.001	Logical Record Length	M

Field Num	Field Name	ERRT
2.002	Image Designation Character	M
2.006	Attention Indicator	O
2.009	Originating Agency Case Number	O
2.014	FBI Number	O
2.015	State ID	M
2.060	Status/Error Message	M
2.073	Controlling Agency Identifier	O

4 Non-MorphoTrak Device

This section describes the messaging protocols and contents between the ASP AFIS and the non-MorphoTrak devices.

4.1 Message Protocol

The non-MorphoTrak device interface shall support receiving NIST-formatted files via File Transfer Protocol (FTP) to an input directory on the Data Exchange Services (DES) server or e-mail with the NIST-formatted file included as a Multipurpose Internet Mail Extensions (MIME) encoded e-mail attachment.

Note: During live processing, only one transfer protocol will be used to send files to MorphoBIS.

4.2 Trigger File Notification

The non-MorphoTrak devices will use trigger files to notify the DES that all the data has been written to the file, if FTP is used. The trigger file name format is as follows:

<NIST data file name>.<trigger file extension>

The NIST data file name format will be as follows:

<NIST data file name>

4.2.1 File Name

The NIST data file name shall be the same as the Incident ID number. If the Incident ID is "110101960021," then the NIST data file name is "110101960021." The trigger file extension shall be ".done." If the NIST file name is "110101960021", then the trigger file name is "110101960021.done".

4.3 Message Flow

The following table provides the transactions sent between the non-MorphoTrak devices and the ASP AFIS.

TOT	Description	Originates	Target	In Response To
CAR	Criminal Tenprint Submission	Device	ASP AFIS	--
MAP	Miscellaneous Applicant Civil	Device	ASP AFIS	--
NFUF	Non-Federal User Applicant Fee	Device	ASP AFIS	--
SRE	Submission Results-Electronic	ASP AFIS	Device	CAR, MAP, NFUF
ERRT	Tenprint Transaction Error	ASP AFIS	Device	CAR, MAP, NFUF

4.4 Message Content

The following sections define the messages communicated between the ASP AFIS and the non-MorphoTrak devices.

4.4.1 Criminal Tenprint Submission (CAR)

4.4.1.1 Description

The Criminal Tenprint Submission (CAR) transaction is a criminal arrest fingerprint transaction submitted by a non-MorphoTrak device. The types and quantities of logical records included in an electronic CAR transaction are as follows.

The types and quantities of the logical records in this transaction are:

- 1 Type-1: Header Record
- 1 Type-2: Descriptor Record
- 14 Type-4 Fingerprint Records
 - ❖ 10 Rolled Impressions
 - ❖ 4 Sets of Plain Impressions
- 0-1 Type-8: Signature Record
- 0-1 Type-10 Photo Record
- 0-6 Type-15: Palmprint Records
 - ❖ Upper, lower, and writer's palmprints

4.4.1.2 NIST Fields

Refer to the MorphoBIS Data Dictionary Arkansas State Police, Document Number 0007-PF0048A for the field definitions.

M = Mandatory, O = Optional, C = Conditional

Field Num	Field Name	CAR
1.001	Logical Record Length	M
1.002	Version Number	M
1.003	File Content	M
1.004	Type Of Transaction	M
1.005	Date	M
1.006	Priority	O
1.007	Destination Agency Identifier	M
1.008	Originating Agency Identifier	M
1.009	Transaction Control Number	M

Field Num	Field Name	CAR
1.010	Transaction Control Ref.	O
1.011	Native Scanning Resolution	M
1.012	Nominal Transmitting Resolution	M
2.001	Logical Record Length	M
2.002	Image Designation Character	M
2.006	Attention Indicator	O
2.017	Incident ID (ATN)	M
2.707	Record Type	M
2.702	Last Name	M
2.701	First Name	M
2.703	Middle Name	O
2.704	Suffix	O
2.024	Sex	M
2.025	Race	M
2.027	Height	M
2.029	Weight	M
2.031	Eye Color	M
2.032	Hair Color	M
2.728	Hair Length	O
2.719	Build (Body Type)	O
2.802	Skin Tone	O
2.022	Date of Birth	M
2.020	State of Birth	M
2.019	City of Birth	O
2.021	Country of Citizenship	M
2.878	Nationality	O
2.016	Social Security Number	M
2.765	Driver's License Number	O
2.857	Miscellaneous Number	O
2.014	FBI Number	O
2.850	Alias Name	O
	Alias Last Name	O
	Alias First Name	O
	Alias Middle Name	O
	Alias Name Suffix	O
2.851	Alias Date of Birth	O
2.750	Charge Information	O
	Charge Code	M
	Charge Date	M

Field Num	Field Name	CAR
	Charge Info	M
2.047	Arrest Segment Literal	M
	Date of Offense	O
	Arrest Offense Literal	M
2.855	Arresting Officer	O
	Last Name	O
	First Name	O
	Middle Initial	O
	Name Suffix	O
2.045	Date of Arrest	M
2.038	Date Printed	M
2.880	Originating Agency ID	M
2.803	Case Number	O
2.951	County of Arrest	M
2.952	City of Arrest	O
2.859	Arrest Location	O
2.725	Gang Affiliation	O
2.036	Photo Available	O
2.035	Palm Prints Available	O
2.005	Retain at FBI	M
2.852	Caution	O
	Caution	O
	Caution Code	O
2.056	Additional Information	O
2.804	Booking Officer	M
2.041	Subject's Residence	O
	Street Number	O
	Street Name	O
	Apartment Number	O
	Rural Route	O
	Rural Route Box	O
	City	O
	State	O
	Zip Code	M
2.039	Employer	O
2.950	Employer Address	O
2.040	Occupation	O
2.882	Amputation	O
2.877	Deformities	O
2.720	Scar Information	O

Field Num	Field Name	CAR
	Scar Type	O
	Scar Location	O
2.721	Mark Information	O
	Mark Type	O
	Mark Location	O
2.722	Tattoo Information	O
	Tattoo Type	O
	Tattoo Location	O
	Tattoo Literal	O
2.879	Moles	O
	Mole Type	O
	Mole Location	O
2.865	Other Address	O
	Other's Name	O
	State	O
	City	O
	Zip Code	O
	Rural Route	O
	Rural Route Box	O
	Street Name	O
	Street Number	O
	Apartment Number	O
2.862	Father's Address	O
	Father's Name	O
	State	O
	City	O
	Zip Code	O
	Rural Route	O
	Rural Route Box	O
	Street Name	O
	Street Number	O
	Apartment Number	O
2.863	Mother's Address	O
	Mother's Name	O
	State	O
	City	O
	Zip Code	O
	Rural Route	O
	Rural Route Box	O
	Street Name	O

Field Num	Field Name	CAR
	Street Number	O
	Apartment Number	O
2.864	Spouse's Address	O
	Spouse's Name	O
	State	O
	City	O
	Zip Code	O
	Rural Route	O
	Rural Route Box	O
	Street Name	O
	Street Number	O
	Apartment Number	O
2.866	Non-Relative's Address	O
	Non-Relative's Name	O
	State	O
	City	O
	Zip Code	O
	Rural Route	O
	Rural Route Box	O
	Street Name	O
	Street Number	O
	Apartment Number	O
2.084	Exemptions	C
	Finger Number	M
	Code	M
2.957	Hostname	M
2.958	Username	M
	TYPE-4: Fingerprint Data	M
	TYPE-8: Signature Data	O
	TYPE-10: Photo Image (Frontal)	O
	TYPE-15: Palmprint Data	O

4.4.2 Miscellaneous Applicant Civil (MAP)

4.4.2.1 Description

The Miscellaneous Applicant Civil (MAP) transaction is an applicant fingerprint transaction submitted by a non-MorphoTrak device. The types and quantities of logical records included in a MAP transaction are as follows.

The types and quantities of the logical records in this transaction are:

- 1 Type-1: Header Record
- 1 Type-2: Descriptor Record
- 14 Type-4 Fingerprint Records
 - ❖ 10 Rolled Impressions
 - ❖ 4 Sets of Plain Impressions
- 1 Type-8 Signature Record

4.4.2.2 NIST Fields

Refer to the MorphoBIS Data Dictionary Arkansas State Police, Document Number 0007-PF0048A for the field definitions.

M = Mandatory, O = Optional, C = Conditional

Field Num	Field Name	MAP
1.001	Logical Record Length	M
1.002	Version Number	M
1.003	File Content	M
1.004	Type Of Transaction	M
1.005	Date	M
1.006	Priority	O
1.007	Destination Agency Identifier	M
1.008	Originating Agency Identifier	M
1.009	Transaction Control Number	M
1.010	Transaction Control Ref.	O
1.011	Native Scanning Resolution	M
1.012	Nominal Transmitting Resolution	M
2.001	Logical Record Length	M
2.002	Image Designation Character	M
2.017	Incident ID (ATN)	M
2.015	State ID	O
2.707	Record Type	M
2.702	Last Name	M
2.701	First Name	M

Field Num	Field Name	MAP
2.703	Middle Name	O
2.704	Suffix	O
2.850	Alias Name	O
	Alias Last Name	O
	Alias First Name	O
	Alias Middle Name	O
	Alias Name Suffix	O
2.024	Sex	M
2.025	Race	M
2.027	Height	M
2.029	Weight	M
2.031	Eye Color	M
2.032	Hair Color	M
2.728	Hair Length	O
2.719	Build (Body Type)	O
2.802	Skin Tone	O
2.022	Date of Birth	M
2.877	Deformities	O
2.720	Scar Information	O
	Scar Type	O
	Scar Location	O
2.721	Mark Information	O
	Mark Type	O
	Mark Location	O
2.722	Tattoo Information	O
	Tattoo Type	O
	Tattoo Location	O
	Tattoo Literal	O
2.879	Moles	O
	Mole Type	O
	Mole Location	O
2.016	Social Security Number	M
2.765	Driver's License Number	O
2.857	Miscellaneous Number	O
2.014	FBI Number	O
2.020	Place of Birth	M
2.019	City of Birth	O
2.021	Country of Citizenship	O
2.878	Nationality	O
2.039	Employer	O

Field Num	Field Name	MAP
2.950	Employer Address	O
2.880	Originating Agency ID	M
2.037	Reason Fingerprinted	M
2.038	Date Printed	M
2.901	Today's Date	M
2.005	Retain at FBI	M
2.041	Subject's Residence	O
	Street Number	O
	Street Name	O
	Apartment Number	O
	Rural Route	O
	Rural Route Box	O
	City	O
	State	O
	Zip Code	O
2.084	Exemptions	C
	Finger Number	M
	Code	M
2.957	Hostname	M
2.958	Username	M
TYPE-4: Fingerprint Data		M
TYPE-8: Signature Data		O

4.4.3 Non-Federal User Applicant Fee (NFUF)

4.4.3.1 Description

The Non-Federal User Applicant Fee (NFUF) transaction is an applicant fingerprint transaction submitted by a non-MorphoTrak device. The types and quantities of logical records included in a NFUF transaction are as follows.

The types and quantities of the logical records in this transaction are:

- 1 Type-1: Header Record
- 1 Type-2: Descriptor Record
- 14 Type-4 Fingerprint Records
 - ❖ 10 Rolled Impressions
 - ❖ 4 Sets of Plain Impressions

4.4.3.2 NIST Fields

Refer to the MorphoBIS Data Dictionary Arkansas State Police, Document Number 0007-PF0048A for the field definitions.

M = Mandatory, O = Optional, C = Conditional

Field Num	Field Name	NFUF
1.001	Logical Record Length	M
1.002	Version Number	M
1.003	File Content	M
1.004	Type Of Transaction	M
1.005	Date	M
1.006	Priority	O
1.007	Destination Agency Identifier	M
1.008	Originating Agency Identifier	M
1.009	Transaction Control Number	M
1.010	Transaction Control Ref.	O
1.011	Native Scanning Resolution	M
1.012	Nominal Transmitting Resolution	M
2.001	Logical Record Length	M
2.002	Image Designation Character	M
2.017	Incident ID (ATN)	M
2.015	State ID	O
2.707	Record Type	M
2.702	Last Name	M
2.701	First Name	M
2.703	Middle Name	O
2.704	Suffix	O
2.850	Alias Name	O
	Alias Last Name	O
	Alias First Name	O
	Alias Middle Name	O
	Alias Name Suffix	O
2.024	Sex	M
2.025	Race	M
2.027	Height	M
2.029	Weight	M
2.031	Eye Color	M
2.032	Hair Color	M
2.728	Hair Length	O
2.719	Build (Body Type)	O
2.802	Skin Tone	O

Field Num	Field Name	NFUF
2.022	Date of Birth	M
2.877	Deformities	O
2.720	Scar Information	O
	Scar Type	O
	Scar Location	O
2.721	Mark Information	O
	Mark Type	O
	Mark Location	O
2.722	Tattoo Information	O
	Tattoo Type	O
	Tattoo Location	O
	Tattoo Literal	O
2.879	Moles	O
	Mole Type	O
	Mole Location	O
2.016	Social Security Number	M
2.765	Driver's License Number	O
2.857	Miscellaneous Number	O
2.014	FBI Number	O
2.020	Place of Birth	M
2.019	City of Birth	O
2.021	Country of Citizenship	O
2.878	Nationality	O
2.039	Employer	O
2.950	Employer Address	O
2.880	Originating Agency ID	M
2.037	Reason Fingerprinted	M
2.038	Date Printed	M
2.901	Today's Date	M
2.005	Retain at FBI	M
2.041	Subject's Residence	O
	Street Number	O
	Street Name	O
	Apartment Number	O
	Rural Route	O
	Rural Route Box	O
	City	O
	State	O
	Zip Code	O
2.084	Exemptions	C

Field Num	Field Name	NFUF
	Finger Number	M
	Code	M
2.957	Hostname	M
2.958	Username	M
TYPE-4: Fingerprint Data		M

5 Federal Bureau of Investigation

This section describes the messaging protocols and contents between the ASP AFIS and the Federal Bureau of Investigation (FBI).

5.1 Message Protocol

Messages between the ASP AFIS and the FBI shall be sent via Simple Mail Transfer Protocol (SMTP) as Multipurpose Internet Mail Extensions (MIME) encoded e-mail attachments.

5.2 Message Flow

The following table provides the transactions supported for the FBI interface.

TOT	Description	Originates	Target	In Response To
CAR	Criminal Tenprint Submission	ASP AFIS	FBI	--
MAP	Miscellaneous Applicant Civil	ASP AFIS	FBI	--
NFUF	Non-Federal Applicant User Fee	ASP AFIS	FBI	--
DEK	Known Deceased			
DEU	Unknown Deceased			
SRE	Submission Results - Electronic	FBI	ASP AFIS	CAR, MAP, NFUF, DEK, DEU
ERRT	Tenprint Transaction Error	FBI	ASP AFIS	CAR, MAP, NFUF, DEK, DEU, RPIS
FIS	Fingerprint Image Submission	ASP AFIS	FBI	--
FISR	Fingerprint Image Submission	FBI	ASP AFIS	FIS
ERRI	Image Transaction Error	FBI	ASP AFIS	FIS
RPIS	Rapid Fingerprint Identification Search Submission	ASP AFIS	FBI	--
RPISR	Rapid Fingerprint Identification Search Response	FBI	ASP AFIS	RPIS
LFFS	Latent Friction Ridge Features Search	ASP AFIS	FBI	--
SRL	Search Results-Latent	FBI	ASP AFIS	LFFS
ERRL	Latent Transaction Error	FBI	ASP AFIS	LFFS
BDEC	Biometric Decision Submission	ASP AFIS	FBI	SRL
BDECR	Biometric Decision Response	FBI	ASP AFIS	BDEC

5.3 Message Content

Refer to the IAFIS-DOC-01078-9.3: Electronic Biometric Transmission Specification (EBTS), Version 9.3, December 9, 2011 for the FBI transaction specifications.