February 5, 2014

ELECTRONIC BIOMETRIC TRANSMISSION

SPECIFICATION (EBTS)

TECHNICAL AND OPERATIONAL UPDATE (TOU) 10.0.1

SECTION 1 -- MESSAGE TO CJIS SYSTEMS OFFICERS

The purpose of this TOU is to document all functional changes to the most recent version of the EBTS, as an interim solution (until the release of the next version), to enable FBI/CJIS system user compliance. Functional changes documented by this TOU are located at the front, followed by all functional changes documented by previous TOUs, in reverse chronological order since the release of the most recent version of the EBTS. In addition, a comprehensive list of all TOU functional changes since the release of the most recent version of the EBTS is located at the end and sorted by section. Please note that the functional changes documented by this TOU are cumulative such that user compliance requires adherence to the most recent version of the EBTS and incorporation of all functional changes documented by this and all prior TOUs since the release of the most recent version of the EBTS.

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Users are reminded that any questions concerning the distribution of TOUs should be directed to the NGI Program Office.

TOUs are also available via the Internet on the FBI Biospecs website at <www.fbibiospecs.com>.

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SECTION 2 -- FUNCTIONAL CHANGES FOR 10.0.1

Section 2 contains information concerning the modifications constituting EBTS 10.0.1. The following table is an overview of the modifications for this TOU version.

Section	Change
3.1.1.6 EMUF	Updated second paragraph
3.1.1.9 FIDR	Updated first paragraph
3.1.3.1 RPIS	Updated second paragraph
3.3.1.1 IRQ	Updated first paragraph Added paragraph after the first paragraph
3.3.1.3 IRR	Updated first paragraph
3.3.1.4 ISR	Updated first paragraph
3.4.4.2 TXTSRCH	Updated first paragraph Added second and third paragraphs, describing TOT use
3.4.4.4 SRB	Replace second paragraph
3.5.1 SPN	Updated first paragraph
3.5.6 ULM	Updated second paragraph
3.6.5 BDEL	Updated third paragraph
3.6.14 FISR	Updated first paragraph
3.6.15 SPMNT	Updated second paragraph
Appendix B	Added 1.011 NSR
Appendix C	Relabeled column headings and table name, also reversed columns for Table 11 BID Values Table Updated 2.014 FBI Data Dictionary definition Updated 2.037 RFP Data Dictionary definition Updated 2.054 SSD Data Dictionary definition Updated 2.079 NCR Data Dictionary definition Updated 2.084 AMP Data Dictionary code table Updated 2.2010 NIR Data Dictionary definition Updated 2.2032C TOT of Dissemination for Max Length 2.2058 SMD spelling correction in SMI Values Table Updated 2.2069B RBT for Min Occurances Updated 2.2069C RBEI for Min Occurances
Appendix D	Updated 2.017 MNU for FDSP Updated 2.084 AMP for AMN, CAR, CNA, CPDR, CPNU, DEK, DEU, DOCE, EMUF, FANC, FAUF, FDSP, FIDR, FNDR, FVR, MAP, MPR, NFUE, NFUF, NNDR, and RPIS Added 2.098 NDR to FIDR

Section	Change
Appendix E	Updated 2.014 FBI for IRR
	Updated 2.018 NAM for EQHR and EQRR
	Updated 2.021 CTZ for EQHR
	Updated 2.037 RFP from UULD
	Updated 2.073 CRI for EHRR, EQER, EQHR, EQRR and ERRR
	Updated 2.075 ERS for RBN
	Updated 2.084 AMP for SRT
	Updated 2.084 AMP for TPIS and TPRS
	Updated 2.098 NDR for ISR
	Updated 2.2033 CNL for SRB
	Updated 2.026 SMT for TXTSRCH
	Updated 2.2058 SMD for TXTSRCH
	Updated 2.2059 TCL for TXTSRCH
Appendix F	Updated section 4.10.4 Requirement
Appendix I	Removed 2.006 ATN from XACT and XACTR
	Updated 2.014 FBI for PDR
	Removed 2.055 SLE from SRNR
	Added 2.073 CRI, 2.2100 SED, 2.2101 SST, 2.2102 RSC, 2.2103 STT, and 2.2104 SRA to SRNR
	Added 2.073 CRI and 2.075 ERS to SRNRR
	Updated 2.084 AMP for FIS
	Updated 2.2035 EVI for DSPR
Appendix J	Updated table heading for Table 45
	Updated Table 46
	Update table heading for Table 47
Appendix K	Added sentence to end of section
Appendix L	Updated FIS for T17
	Updated FIDR for T4 and T14
	Updated IRR for T9 and T14
	Updated IRQ Response TOTs
Appendix M	Updated messages in Table M-1 based on Operational needs
	Added Error Class Key to Table M-1
Appendix O	Corrected appendix introduction

3.1.1.6 Electronic In/Manual Out User Fee (EMUF)

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When the FBI/CJIS sucessfully completes processing, it will send an SRE message in response, and print an Identity History Summary and mail it to the requestor. ~~When the FBI/CJIS completes processing, it will print a non-identification, positive identification,or Reject response report and mail it to the requestor.~~ See the Identifying Previous Transactions section for a discussion of the use of Transaction Control Number (1.009 TCN) and Transaction Control Reference (1.010 TCR) in no-charge resubmission of user-fee submissions that the FBI/CJIS has rejected. Such resubmissions are allowed only when the fingerprint image quality of the original submission was unacceptable.

3.1.1.9 Foreign Information Direct Route (FIDR)

This transaction consists of a fingerprint submission from a federal or international agency that will be directly routed to an FBI/CJIS internal log application for special processing. The submission shall contain ten rolled or flat and four plain impressions, or three identification flat impressions, along with biographic descriptor data. If the FIDR is successfully processed, a new identity will be created in the Foreign Subjects of Interest (FSI) repository.

3.1.3.1 Rapid Fingerprint Identification Search Submission (RPIS)

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When the Name of Designated Repository (2.098 NDR) field contains values of 6 (all of RISC), 11 (Wants and Warrants), 12 (Sexual ~~Offense~~Offender Registry), 13 (Known or Suspected Terrorists) or 15 (Persons of Special Interest), the submission must contain at least two finger images, either two to ten rolled impressions or a set of one to four identification flat impressions, along with optional biographic data.

3.3.1.1 Biometric Image/Feature Retrieval Request (IRQ)

This transaction enables users to retrieve images from the FBI/CJIS databases so a comparison can be made by the requester at user facilities. The requester identifies the subjects whose biometric images are being requested. The requester may also include additional parameters to specify particular modalities or image types of the subjects. Up to 1,000 subject records may be requested per transaction. Specific fingerprint, supplemental fingerprints, palm print images or the complete set may be requested. Other images, such as facial and SMT photos which are associated with the records, may also be requested. The transaction will be processed, and requested images on file at the FBI/CJIS will be transmitted in the response. Each subject record identifier number in the request and each set of biometrics being returned for the subject will be addressed in a separate Image Request Response (IRR).

Alternately, this transaction may be used to request images from external repositories. The Name of Designated Repository (2.098 NDR) field is added to IRQ where only a single external system value is valid. The Biometric Image Description (2.2028 BID) field information item UCN (2.2028A) has been changed to Subject Identifier (SI) in order to support external system identifiers.

3.3.1.3 Image Request Response (IRR)

This transaction is returned by the FBI/CJIS to provide requested images on file at the FBI/CJIS, or the specified external system, to the requester. Each image set identified in the IRQ request will cause a separate IRR response. The response will include either the subject record identifier number (2.014 FBI) or the External Subject Identifier (2.2037 ESI) and the requested image set in the format in which they were enrolled.

3.3.1.4 Image Summary Response (ISR)

This transaction is returned by the FBI/CJIS to summarize the results of the IRQ request processing.This transaction contains the listing of each subject identifier number whose imagery was successfully returned in either the FBI Number/UCN (2.014 FBI) field or the External Subject Identifier (2.2037 ESI) field. The length of this list corresponds with the number of IRRs returned in response to a given IRQ. For each subject record identifier for which images were not returned due to invalid subject record identifier number ~~FBI Number/UCN~~ or image not on file, the subject identifier and the appropriate error message are returned in the Status/Error Message (2.060 MSG) field.

3.4.4.2 Text-Based Photo/SMT Search Request (TXTSRCH)

This transaction will allow the user to specify demographic data along with Scar, Mark, and Tattoo (SMT) descriptive data to be used in a search for investigative leads and return facial or SMT photos, based on the Image Type (2.062 IMT) and descriptive parameters specified in the request. The TXTSRCH transaction is typically used to generate photo lineups of criminal subjects that have physical characteristics (i.e., skin tone, hair color, eye color, sex, SMT specific characteristics, etc.) similar to a criminal suspect. ~~If Name of Designated Repository (2.098 NDR) is omitted, then criminal is the default.~~ To search for facial images, the IMT (2.062) field must be set to '9' and the sought for image should be described using one or more of the biographic descriptive fields. Each descriptor will be added to the required match parameters, therefore adding multiple descriptors may return few or no candidates.

In order to search for an SMT image, the IMT (2.062) field must be set to '10' and the SMT should be described using the 2.026 SMT, 2.2058 SMD, 2.2059 TCL and 2.2055 SMS fields as applicable. Up to three possible SMT locations may be specified for the search. Occurrences of SMD and TCL correspond to one another (i.e., the first occurrence of TCL describes the colors of the first occurrence of SMD.) All specified values of SMD and TCL will be applied to each of the SMT locations.

~~If the Number of Candidates Returned (2.079 NCR) field is omitted, then the default maximum number of candidates returned will be 99. If the Number of Images Requested (2.2010 NIR) is omitted, then the default number of images returned will be 20. The returned Candidate Investigative List (2.2033 CNL) will contain an unranked list of possible candidates~~.

Up to 99 candidates may be requested by including the Number of Candidates Returned (2.079 NCR) field in the search request. If NCR is not included in the request, 20 candidates will be returned. If NIR is not specified in the search request, one image per candidate will be returned, up to a maximum of 50. The returned Candidate Investigative List (2.2033 CNL) will contain an unranked list of possible candidates.

3.4.4.4 Search Results Biometric (SRB)

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If NCR was omitted in the search, the default behavior is to return up to 20 ranked or unranked candidates, depending on the search type. The number of candidates returned may be less than the specified NCR as a result of thresholds determined by trade study tests and the algorithm used to determine potential matches. Additional biometric images on file for each candidate may be retrieved through separate Subject Photo Requests (CPRs) or Biometric Image/Feature Retrieval Requests (IRQs).

If NCR was omitted in the search, the default behavior is to return up to 20 ranked (FRS) or unranked (TXTSRCH) candidates, depending on the search type. Up to 99 candidates may be requested by including the Number of Candidates Returned (2.079 NCR) field in the search request, but the number of candidates returned may be less than the specified NCR as a result of thresholds determined by trade study tests and the algorithm used to determine potential matches. A maximum of 50 images may be requested, however, the number returned will not exceed the number of candidates returned. Additional biometric images on file for each candidate may be retrieved through separate Biometric Image/Feature Retrieval Requests (IRQs).

3.5.1 Special Population Cognizant Notification (SPN)

A Special Population Cognizant Notification (SPN) notifies the owner of an Special Population Cognizant (SPC) File identity that a biometric image from the identity has been potentially or positively matched with a biometric image from an identification or investigative search transaction. ATN, SCNA, and CRI are associated with the SPC record, while the biographic information fields (FBI, NAM, AKA, POB, CTZ, DOB, SEX, RAC, SMT, HGT, WGT, EYE, HAI, DPR, MSG, IMT, FGP, BSI, PPD, BIA, and POS) are associated with the search transaction identity that hit against the SPC record. The FBI Number/UCN (2.014 FBI) field may contain "BDEC" when the SPN is generated from an investigative search result. Only the imagery from the incoming identification or investigative transaction that is a potential match will be returned in the SPN. The SPC identity imagery will not be returned.

3.5.6 Unsolved Latent Match (ULM)

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The Biometric Image Available (2.2031 BIA) field is included to reflect the available biometric image types available for the enrolled identity that matched the latent. Depending on availability, the existing Subject Control Number (2.086 SCNA) field is populated with the legacy SCNA or with the FBI Number/UCN (2.014 FBI) value for the ULF latent that matched. The FBI Number/UCN (2.014 FBI) field may contain "BDEC" when the ULM is generated from an investigative search result.

3.6.5 Biometric Delete Request (BDEL)

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The BDEL can also be used to remove biometric images from a special identity by including the ~~Name of Designated Repository (2.098 NDR),~~ FBI Number/UCN (2.014 FBI) and Biometric Set Identifier (2.2029 BSI) values.

3.6.14 Biometric Image Submission Response (FISR)

The Biometric Image Submission Response (FISR) will provide details on each biometric type enrolled by a~~n~~ FIS. The Biometric Image Enrollment (2.2061 BIE) field will provide the Biometric Set Identifier (2.2061A BSI) and Image Type (2.2061B IMT) of each biometric set or photo that was enrolled. Where photos are enrolled, the Subject Pose (2.2061C POS) is populated for facial photos, and the Scars, Marks, and Tattoos (2.2061D SMT) ~~field~~ information item is populated for SMT photos. The Fingerprint Images Updated (2.072 FIU) field indicates which fingers (if any) were replaced in the composite fingerprint set for the contributor-provided FBI Number/UCN (2.014 FBI). If fingerprints accompanying the FIS do not match the provided FBI Number/UCN (2.014 FBI), an error response (ERRA) will be returned to the user. The Controlling Agency Identifier (2.073 CRI) is an optional field in a FIS transaction. If a CRI is not included in the FIS, the Originating Agency Identifier (ORI) will be inserted into the CRI field of the FISR.

3.6.15 Special Repository Maintenance Request (SPMNT)

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Biometric images may be removed from an SPC or FSI identity with a BDEL request containing the ~~Name of Designated Repository (2.098 NDR),~~ FBI Number/UCN (2.014 FBI) and Biometric Set Identifier (2.2029 BSI) values. Biometric images may be added to an existing SPC or FSI identity with a FIS request containing the ~~Name of Designated Repository (2.098 NDR) and~~ FBI Number/ UCN (2.014 FBI). Reference the BDEL and FIS descriptions for further details on the use of those TOTs.

Appendix B: Descriptors and Field Edit Specifications for Type-1 Logical Records

NSR   1.011   Native Scanning Resolution

This mandatory field shall specify the nominal scanning resolution of the AFIS or other image capture device supported by the originator of the transmission. This field permits the recipient of this transaction to send response data at a transmitting resolution tailored to the NSR (if it is able to do so) or to the minimum scanning resolution. This field shall contain five bytes specifying the native scanning resolution in pixels per millimeter. The resolution shall be expressed as two numeric characters followed by a decimal point and two more numeric characters (e.g., 20.00). This field is needed because the interchange of fingerprint information between systems of the same manufacturer may, in some instances, be more efficiently done at a transmitting resolution equal to the native scanning resolution of the system rather than at the minimum scanning resolution specified in this standard. This field currently applies only to Type-4 and Type-7 record. For those logical files that contain their own scanning resolution, this field shall be set to '00.00'. A single transaction can only contain multiple Type-4 and/or Type-7 records if all images

have the same resolution.

Appendix C: Descriptors and Field Edit Specifications for Type-2 Logical Records

Type-2 Data Dictionary

Table 11   BID Submitted Values and Results Table

BID Field Values Submitted	Biometric Images Returned
IMT	Representative set for image type specified
~~IMT,~~ BSI	Specific image set indicated by ~~specified in~~ the BSI ~~of that image type specified~~
IMT, FNR	The friction ridge position image of the representative set for the image type specified
BSI, FNR	The finger position image of the specific image set indicated by ~~specified in~~ the BSI
~~IMT, BSI, FNR~~	~~The finger position image of the specific image set specified in the BSI of that image type specified~~

FBI   2.014   FBI Number/UCN

This field is used to uniquely specify Identities contained in the NGI database, and shall be no more than nine alphanumeric characters. This Universal Control Number (UCN) is used to identify records in the criminal, civil, ULF and other repositories. The UCN number returned in a response is dependent upon the search results. The Legacy Subject Control Number (SCNA) used for ULF records may be provided in this field where designated in the message definition. The UCN field may also contain "BDEC", when it is on an investigative search result.

RFP 2.037 Reason Fingerprinted

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Agencies may choose to use standard terms in this field related to the purpose of the fingerprint submission instead of the specific statutory authority. The standard reasons are:

- Firearms
- Volunteer
- Criminal Justice Employment
- Child Care/School Employee
- Other Employment and Licensing

SSD   2.054   Custody or Supervisory Status Start Date

This field contains the start date for the subject's custody or supervisory status. The date shall appear as specified in Section 1.1 of this appendix. This date field shall contain the local date for the region submitting the request. The SSD may not be less than DOA. The SSD shall not exceed the current date. ~~If custody data is submitted, all custody fields (SSD, OCA, and SLE) must be entered.~~

NCR   2.079   Number of Candidates Returned

This optional field contains the number of candidates the submitter desires to receive in response to a biometric Investigative Ssearch request per ranked candidate list, with a maximum of 99. If multiple candidate lists are to be returned in a search request, the NCR value applies to each. ~~If NCR is omitted in a biometric investigative search request, it defaults to the max value of NIR.~~ If the NIR in the request is greater than NCR in the request, CJIS will set NIR to the NCR value. This field is also found in the responses to a biometric Investigative Ssearch where it reflects the actual total number of candidates returned in the CNL field for the entire concatenated list. For EQRR, this field identifies the number of Identity History Summary reports that are ~~be~~ returned in response to an EQHR.

AMP 2.084 Amputated or Bandaged

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Table 9   AMP Codes Table

Finger Position	FGP
Right thumb	01
Right index	02
Right middle	03
Right ring	04
Right little	05
Left thumb	06
Left index	07
Left middle	08
Left ring	09
Left little	10
Plain right thumb	11
Plain left thumb	12
Plain right four fingers	13
Plain left four fingers	14
Plain left and right thumbs	15

Note: When codes 13 – 15 are included, the entire block is referenced.

Descriptor	AMPCD
Amputation	XX
Unable to print (e.g., bandaged)	UP

NIR   2.2010 Number of Images Requested

This optional field contains the number of maximum candidate images the submitter desires to receive in response to a biometric Investigative Ssearch request for a given candidate list. If multiple candidate lists are to be returned the NIR value applies to each. ~~If NIR is omitted in a biometric investigative search request, it defaults to 20.~~ This field is also found in the responses to a biometric Investigative search where it reflects the actual number of candidates with image returned in the CNL field for the entire concatenated list.

SMD 2.2058 SMT Descriptors

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Table 36   SMI Values Table

Value	Description
SCAR	indicate healed scar tissue that was the result an of accident or medical procedure
PIERCING	a deliberately made hole through body tissue, usually to wear body ornamentation
MARK	used for the pattern resulting from needle or track marks
TATTOO	for deliberately applied or drawn images (common tattoo) or indelible image resulting from the pricking of the skin with a coloring matter
CHEMICAL	the image was created by the use of chemicals to burn the image into the skin
BRANDED	the image was burned into the skin using a branding iron or other form of heat
CUT	the image was caused by incision of the skin*

*The value for this information item is selected from the "Image sub-code" column of ANSI/NIST-ITL 1-2011 Table 58.

Table C-1 Field Edit Specifications for Type-2 Elements

Field Number	Identifier	Field Number	Character	Field Size (not including Character Separators)		Occurrences	
				Min	Max	Min	Max
2.2032	ATR	AUDIT TRAIL RECORD	SET				100
A	ORI	ORIGINATING AGENCY IDENTIFIER	AN	9	9	1	1
B	DAT	DATE OF DISSEMINATION	N	8	8	1	1
C	TOT	TOT OF DISSEMINATION	A	3	~~5~~16	1	1
D	BSI	BIOMETRIC SET IDENTIFIER DISSEMINATED	N	4	24	0	1
E	IMT	IMAGE TYPE DISSEMINATED	N	1	2	0	1
F	FNR	FRICTION RIDGE POSITION REQUESTED	N	2	2	0	1
G	PPD	PRINT POSITION DESCRIPTION	AN	5	5	0	1
H	POS	SUBJECT POSE	A	1	1	0	1
I	SMT	NCIC SMT CODE	A	3	10	0	1

Field Number	Identifier	Field Number	Character	Field Size (not including Character Separators)		Occurrences	
				Min	Max	Min	Max
2.2069	RBTED	Rap Back Triggering Event Details	SET				10
A	DORBE	Date of Rap Back Event	N	8	8	1	1
B	RBT	Rap Back Trigger	N	1	2	~~1~~ 0	1
C	RBEI	Rap Back Event Information	ANS	1	300	~~1~~ 0	1

Appendix D: Summary of Logical Record Layouts for Type-2 Identification and Verification

Table D-1 Summary of Field Lists for Identification and Verification

Tag Element	FDSP
2.017 MNU	~~0..1~~ 0..4

Tag Element	AMN	CAR	CNA	CPDR
2.084 AMP	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}

Tag Element	CPNU	DEK	DEU	DOCE
2.084 AMP	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}

Tag Element	EMUF	FANC	FAUF
2.084 AMP	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}

Tag Element	FDSP	FIDR	FNDR	FVR
2.084 AMP	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}

Tag Element	MAP	MPR
2.084 AMP	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}

Tag Element	NFUE	NFUF	NNDR	RPIS
2.084 AMP	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}	~~0..1~~^{2} 0..13^{7}

Tag Element	FIDR
2.098 NDR	0..10

Appendix E: Summary of Logical Record Layouts for Type-2 Investigation, Information, and Notification Transactions

Table E-1 Summary of Field Lists for Investigation, Information, and Notification Transactions

Tag Element	IRR
2.014 FBI/~~UCN~~	~~1~~ 0..1

Tag Element	EQHR	EQRR
2.018 NAM	~~0..1~~ 1	~~0..1~~ 1

Tag Element	EQHR
2.021 CTZ	~~0..1~~ 0..10

Tag Element	UULD
2.037 RFP	~~1~~

Tag Element	EHRR	EQER	EQHR
2.073 CRI	~~0..1~~ 1	~~0..1~~ 1	~~0..1~~ 1

Tag Element	EQRR
2.073 CRI	~~0..1~~ 1

Tag Element	ERRR
2.073 CRI	~~0..1~~ 1

Tag Element	RBN
2.075 ERS	~~1~~ 0..1

Tag Element	SRT
2.084 AMP	~~0..1~~ 0..13

Tag Element	TPIS	TPRS
2.084 AMP	~~0..10~~ 0..13	~~0..10~~ 0..13

Tag Element	ISR
2.098 NDR	~~0..1000~~ 0..1

Tag Element	SRB
2.2033 CNL	0..99[1]

Tag Element	TXTSRCH
2.026 SMT	~~0..10~~ 0..3

Tag Element	TXTSRCH
2.2058 SMD	~~0..1~~ 0..9

Tag Element	TXTSRCH
2.2059 TCL	~~0..1~~ 0..9

Appendix F: FBI/CJIS Image Quality Specifications

4.10.4 Step Tablet

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Requirement

When printing fingerprints in tenprint card format, the printing process shall have the capability to print a step tablet, consisting of two adjacent horizontal bands, each band having 16 gray-levels. ~~The top~~ One band should progressively darken from left to right and the ~~bottom~~ other band should progressively darken from right to left. The 16 digital input gray-levels corresponding to one band shall be identically the same as for the other band, and both bands shall substantially cover the total gray-level range. This step tablet shall be positioned at the top edge within the left thumb plain impression printblock and shall have a total width between 0.5 inches and 0.8 inches and a total height between 0.0625 inches and 0.125 inches.

Appendix I: Summary of Logical Record Layouts for Type-2 Data Management Transactions

Table I-1 Summary of Field Lists for Data Management Transactions

Tag Element	XACT	XACTR
2.006 ATN	~~1~~	~~1~~

Tag Element	PDR
2.014 FBI~~/UCN~~	~~5~~ 1..5

Tag Element	SRNR
2.055 SLE	~~0..1~~

Tag Element	SRNR
2.073 CRI	1..3
2.2100 SED	1
2.2101 SST	1..8
2.2102 RSC	0..1
2.2103 STT	0..1
2.2104 SRA	1

Tag Element	SRNRR
2.073 CRI	1..3
2.075 ERS	1

Tag Element	FIS
2.084 AMP	~~0..1~~ 0..13

Tag Element	DSPR
2.2.035 EVI	~~1~~ 0..1

Appendix J: Descriptors and Field Edit Specifications for Type-9 Logical Records

Type-9 Data Dictionary

Table 45   ~~FCP Values~~ MET Values Table

Description	Code
First (leftmost) character (classification):	
Automatic pattern classification without manual intervention	C
Manually initiated or verified pattern classification	N
Second (middle) character (minutiae generation):	
Minutiae automatically generated, no manual editing or verification	A
Minutiae automatically generated, examiner verified or edited	E
Minutiae manually generated by examiner	M
Third (rightmost) character (ridge count):	
Automatic, synthesized ridge count without manual verification	S
Automatic, actual ridge count without manual verification	T
Automatic ridge count any method, examiner edited or verified	V

FGN   9.014 Finger Number

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Allowable codes ~~are taken from the ANSI/NIST-ITL standards, and~~ are as follows:

Table 46   Finger Number Table

Finger Position	Code
Unknown finger	00
Right thumb	01
Right index	02
Right middle	03
Right ring	04
Right little	05
Left thumb	06
Left index	07
Left middle	08
Left ring	09
Left little	10

MAT   9.023   Minutiae and Ridge Count Data

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Table 47   ~~MAT~~MNT Values Table

Description	Type
Ridge ending	A
Ridge bifurcation	B
Ridge ending or bifurcation, no distinction provided	C
Type other than ending or bifurcation	D

Appendix K: Descriptors and Field Edit Specifications for Type-10 Logical Records

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In addition to these required fields, users are strongly encouraged to populate the additional SMT descriptors SMT Size (10.042 SMS) and Tattoo Colors (10.043 COL) as applicable, to facilitate subsequent searches of their enrolled SMT images.

Appendix L: Summary Tables

Table L-2 Record Set Requirements Summary by Type of Transaction

Transaction	Enrollment TOT	T17
BIOMETRIC IMAGE SUBMISSION	FIS	0-2

Table L-3 Record Set Requirements Summary by Type of Response

Transaction	Enrollment TOT	T4	T9	T14
FOREIGN INFORMATION DIRECT ROUTE	FIDR	~~0-10~~ 0-14	0	~~0-42~~ 0-46
IMAGE REQUEST RESPONSE	IRR	0-14	~~0-34~~ 0-52	~~0-34~~ 0-20

Table L-4 Transaction/Response/Error TOT Correspondence

Transaction	TOT	Response TOT	Error TOTs
BIOMETRIC IMAGE/FEATURE RETRIEVAL REQUEST	IRQ	IRR, ISR	ERRI

Appendix M: Transaction Message

Table M-1 Transaction Message

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
A0001	Unauthorized ULF delete	Requested deletion from ULF not authorized.	0			
A0004	Unauthorized EBTS Transaction	Requestor is not authorized for transaction type %1.	1	TOT of incoming message		
A0008	Unauthorized ULF Add Confirm	Requested ULF Add Confirm request not authorized.	0			
A0009	Latent Search Queue Request Reject	This Latent Search Queue modification request is invalid.	0			
A0016	Unauthorized Repository Access	Requestor search of repository %1 not authorized	1	NDR(s) (each applicable NDR value is listed separated by commas)		
A0017	Unauthorized Dissemination Information Access	Requestor does not own the imagery in the audit trail dissemination information request	0			
A0018	Unauthorized Biometric Delete	Requested deletion of UCN %1 BSI %2 is not authorized for requestor	2	UCN	BSI	
A0019	Rap Back Subscription Does Not Exist	An active Rap Back subscription does not exist for the UCN %1 and subscription %2	2	UCN	RBSI	
A0020	The Maximum Rap Back Subscription List Size was Exceeded.	The Maximum Rap Back Subscription List Size was Exceeded. Either further filter the subscriptions returned and resubmit, or contact CJIS customer service.	0			

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
A0021	External Link Anomaly	The External Subject Identifier %1 has no association with the UCN %2.	2	ESI	UCN	
A0022	External Link Anomaly	The External Subject Identifier %1 is already associated with another UCN %2.	2	ESI	UCN	
A0023	UCN Does Not Exist	The UCN %1 does not exist in NGI repositories.	1	UCN		
A0024	External Link Anomaly	The External Subject Identifier %1 does not exist in NGI repositories.	1	ESI		
A0025	UCN does not Exist in FSI Repository	The %1 does not exist in the NGI RISC FSI repository.	1	UCN		
A0026	UCN has Multiple Events in FSI Repository	The %1 UCN has multiple events, the EVI must be specified.	1	UCN		
A0027	Unauthorized Biometric Delete by Event	Requested deletion of UCN %1 EVI %2 is not authorized for requestor	2	UCN	EVI	
A0028	External Link Already Exists	The External Subject identifier %1 is already associated with UCN %2	2	ESI	UCN	
B0001	Unable to Generate Template	A template could not be created for the submitted image	0			
B0002	Corrupt Image	The submitted image is corrupted	0			
E0001	Required element missing	Mandatory element %1 was not supplied in message.	1	Element Name		

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
E0002	Element failed validation	Element %1, with value of [%2] contains invalid data.	2	Element Name	Element Value	
E0003	Element failed validation	Element %1, with value of [%2] contains invalid data. The data may not comply with the acceptable range of values.	2	Element Name	Element Value	
E0004	EBTS record parse error	EBTS logical record type %1 containing IDC of [%2] in message does not comply with message Contents or Length field values or the record is not parseable	2	Logical Record Type	IDC value or the value -1 if the named logical record is missing or is a Type-1 record.	
E0005	EBTS field parse error	EBTS field %1 could not be parsed. Check use of separator characters and presence of all required subfields.	1	~~Field Tag~~Element Name		
E0006	Field relationship error	The value of element %1 is inconsistent with the value of element %2.	2	Element Name	Element Name	
E0012	Message Length Inconsistent	The length of the CJIS WAN message is inconsistent with the sum of the lengths of the logical records contained within it.	0			
E0014	Invalid EVI for Delete Operation	Deletion request with invalid EVI %1	1	EVI		
H0001	Required header element missing	Mandatory element %1 was not supplied in message header.	1	Element Name		
H0002	Header element failed validation	Header element %1, with value of [%2], contains invalid data.	2	Element Name	Element Value	
H0003	Header element failed validation (range)	Header element %1, with value of [%2], contains invalid data. The data may not comply with the acceptable range of values.	2	Element Name	Element Value	

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
L0001	~~SLC Repositories~~SPC Repository Full	SPC repository %1 is at max allowed records; to add new subject, delete existing subject.	1	NDR		
L0002	Subject does not exist in the ~~Criminal or Civil File~~Repository	Subject with identifier %1 does not exist in repository.	1	UCN		
L0003	SPC Repository does not exist	Cannot perform requested action. SPC repository %1 does not exist. Inform Segment Administrator of possible SPC File Synchronization error.	1	NDR		
L0004	File image not available	The images for subject identifier %1 are not available from repository %2.	2	UCN	NDR	
L0005	High Penetration Search Rejected	Latent search penetration estimate of %1 percent exceeds the allowable limit of %2 percent.	2	Request Percent	Authorization Cap	
L0006	Invalid image type	The supplied image(s) could not be used for characterization of subject.	0			
L0007	Features not usable	The supplied features could not be used for requested search.	0			
*L0008	Characteristics quality low	The quality of the characteristics is too low to be used.	0			
L0009	Image decompression error	Error occurred during decompression of the fingerprint images.	0			
L0010	Cannot search an empty SPC repository	A search request was made against SPC repository number %1 which currently contains no subjects. To differentiate from a search with no results, this error is being returned.	1	NDR		

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
L0011	Subject already exists, duplicates not allowed in Criminal or Civil Files	A request was made to add subject identifier %1 to Criminal or Civil File in which the subject already exists.	1	UCN		
L0012	ULF Delete Error	An error was encountered in processing the requested deletion from the Unsolved Latent File.	0			
L0014	ULF Delete Subject Missing	Cannot perform the ULF delete request for %1 because the subject is not present in the ULF	1	SCNA or UCN		
L0015	Attempt to Remove Last Arrest, Court, or Custody Component	An attempt has been made to remove the last %1 from subject record %2.	2	Element Name	UCN	
L0016	Latent Search Penetration Estimate	NOTICE ONLY, NOT AN ERROR – Latent search penetration estimate is %1. Your limit is currently %2.	2	Request Percentage	Authorization Cap	
L0017	Attempt to modify SCHF with improper TYS	Attempt to change the Criminal History File with an improper TYS of %1.	1	TYS		
L0018	Latent search queue full	The requested search exceeds the allocation for your organization or state.	0			
L0019	Subject already exists, duplicate identifiers not allowed in SPC file	A request was made to add subject identifier %1 to SPC repository %2 in which the subject already exists. Subjects may NOT be duplicated within this repository.	2	UCN	NDR	
L0020	Subject does not exist in SPC file	A request was made to delete or update subject identifier %1 to SPC repository %2. The subject does not exist in this repository.	2	UCN or BSI	NDR	
L0023	SID required	NFF participants must provide a SID on a criminal retain tenprint submission.	0			

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
L0024	SID already exists for NFF submission	The SID provided in the criminal tenprint submission, %1, is already associated with the subject with FBI number %2 and could not be established for a new NFF subject.	2	SID	UCN	
L0025	SID already exists	The SID provided in the criminal ten- print submission, %1, is already associated with the subject with FBI number %2 and could not be established for a new subject.	2	SID	UCN	
L0028	Exceeded ICO maximum length	Cannot add data because the maximum length of ICO field would be exceeded. There are only %1 characters remaining in the ICO field.	1	Number of unused bytes remaining in ICO field (ASCII representation)		
L0029	Invalid update of subject with AUD C	Cannot update subject record %1 because it contains an AUD = C	1	UCN		
L0033	Element Entry Limit Exceeded	The requested update of this record would cause the maximum number of entries of the %1 field to be exceeded.	1	Field Name		
L0034	Existing identification comments	Cannot overwrite existing ICO	0			
L0035	DOD prior to DOA	Date of arrest in submission is later than the date of death in subject's record.	0			
L0036	Conversion anomaly	Cannot add a conversion cycle for an NFF participating state	0			
L0037	DOA not later than existing DOB	Date of arrest in submission is prior to existing date of birth in the subject's record.	0			

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
L0038	SID already exists from NFF state	Cannot establish new SID %1 for this subject because your state has already established SID %2 for this subject	2	SID from submission	Existing SID	
L0040	No Matching DOA	There is no matching DOA in the subject's record.	0			
L0041	Cannot Update Due to Inactive Data	The subject cycle cannot be updated due to inactive record status.	0			
L0045	Data Already On File	Cannot update this cycle - data already exists in record.	0			
L0046	TPTP Notify Error	AFIS Search number %1 or candidate number %2 cannot be associated with previous search.	2	SCNA	UCN	
L0047	ULF Add Confirm Error	Cannot perform the ULF add confirm request for %1 because the subject is not present in the ULF.	1	SCNA		
L0052	Submitter is not Authorized to Update Record	Requestor is not authorized to perform the requested file maintenance action.	0			
L0057	Improper Finger Specified	Latent searches cannot process %1 possible finger positions for %2 supplied search fingers.	2	FGN_CNT	AFV_CNT	
L0058	UCN and NDR format incompatible	The designated repository (%1) does not correlate to the provided record format number (%2).	2	NDR	UCN	
L0059	Duplicate fingers	Ten finger information supplied for field %1 (%2) is incorrect.	2	Field Name	Field Value	
L0060	Death is already recorded for this subject.	An indication that this subject is deceased is currently present in this record.	0			

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
L0063	Existing Data Condition	Data cannot be added to this field, %1, because data is already present.	1	Field Name		
L0079	Invalid SID	The SID %1 failed III edit check.	1	SID Value		
L0109	Poor Image Quality	The quality of the images is too poor to permit processing.	0			
L0110	MRD Merge Failure	Tenprint submission failed to merge with MRD data.	0			
L0111	Image Sequence Error	Submitted tenprint finger images are out of sequence.	0			
L0113	Non-serious charge	This submission references an arrest charge representing a non-criterion offense.	0			
L0114	TOT/Submission Data Error	The Type of Transaction is inconsistent with the Reason Fingerprinted.	0			
L0115	Other QC Error	A QC error has occurred.	0			
*L0116	Fingerprint Pattern Quality Error	Fingerprint pattern(s) not discernible	0			
*L0117	Fingerprint Pattern Area Error	Insufficient pattern area(s) recorded for identification purposes	0			
*L0118	ITN Image Quality/Sequence Error	Erroneous or incomplete fingerprint(s) on images: fingers or hands out of sequence, printed twice, missing, and no reason given	0			

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
L0119	Charge listed needs literal translation	The charge listed in the submission requires that a literal translation be provided	0			
L0121	Invalid update of subject with AUD M	Cannot update record %1 because this record is currently contained in the manual file. Record must be converted.	1	UCN		
L0122	No SPC Add	Unable to complete SPC Add for identifier %1 in repository %2 and ~~user~~ORI %3.	3	UCN	NDR	ORI
L0123	No SPC Delete	Unable to complete SPC Delete for identifier %1 in repository %2 and ~~user~~ORI %3.	3	UCN	NDR	ORI
L0124	Unacceptable Criteria	The submission does not meet latent acceptance criteria.				
L0125	Invalid ORI	This ORI, %1, is not present in the CCA file.	1	ORI value from Maintenance Request		
L0126	Invalid CRI	CRI %1 is not present in the CCA file.	1	CRI value from Maintenance Request		
L0128	Missing SRE	This file maintenance request must contain a value for SRE.	0			
L0130	File maintenance element error	This file maintenance request contains invalid data, %1, in the field %2.	2	Field value from Maintenance Request	Field Name	
L0131	Required element missing	Mandatory element %1 was omitted from message.	1	Element Name		
L0132	~~STOT/NDR Discrepancy~~	~~The STOT, %1, for this request is not consistent with placing the images in the %2 file.~~	~~2~~	~~STOT value~~	~~Name of the target file (NDR)~~	

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
L0133	Fingerprint Image Submission Non-ident	The subject of this Fingerprint Image Submission contains UCN %1, which is not contained in the FBI Subject Criminal History files.	1	UCN		
L0139	Extraneous Data	The file maintenance request contained data for %1 which is either not needed or not allowed in this context.	1	Field Name		
L0141	STOT/RET Discrepancy	Retention code must equal Y for an STOT of CNA.	0			
L0142	SLC Copy Failed	SLC Copy failed: %1 %2 %3.	0-3	Free Text	Free Text	Free Text
L0143	AFIS Storage Full for SLC Repository	SLC repository %1 is at max allotted storage capacity within AFIS; to add new subject, delete existing subject or contact the ITN Segment Administrator to allot more storage capacity.	1	NDR		
L0144	Field Relationship Error	The value of element %1 is inconsistent with the value of element %2.	2	Element Name	Element Name	
L0147	Contributor has remote capability	The contributing state has remote capability.	0			
L0148	Poor Latent Image Quality	The image quality is not adequate for conducting an AFIS search.	0			
L0149	Bad Search Criteria	The descriptive search criteria is not adequate or is incomplete.	0			
L0150	Unassigned FBI Number	Subject %1 may be in the FBI manual files, but does not exist in the Subject Criminal History File.	1	UCN		

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
L0151	Photo Not Available	Photo Not Available	0			
L0152	Photo Action on Improper AUD Code	CJIS cannot retrieve or delete the cited photo because the associated record is purged, expunged, not automated, deceased, or deleted.	0			
L0153	Photo Action on AUD C Record	CJIS cannot retrieve or delete the cited photo with FBI %1 because it has been consolidated with FBI %2.	2	UCN	UCN	
L0154	Improper Positions Specified	Multi-Latent investigative searches cannot process non-finger position codes.	0			
L0154	SID / Multiple FNUs	The SID in the maintenance request matches multiple FNUs in the SCH	0			
L0155	The palm image orientation is bad	The palm image orientation is too poor to permit processing	0			
L0156	The supplemental image orientation is bad	The supplemental image orientation is too poor to permit processing	0			
L0157	Failure in segmenting image	Failure in segmenting image	0			
L0158	Failure in validating secondary biometrics with fingerprints on file	Failure in validating secondary biometrics with fingerprints on file	0			
L0159	The palm print imagery is incomplete	The palmprint imagery is incomplete	0			
L0160	The supplemental imagery is incomplete	The supplemental imagery is incomplete	0			

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
L0161	Invalid UCN for Delete operation	Deletion Request with invalid UCN %1	1	UCN		
L0162	Secondary Biometric Delete Error	Unable to delete biometric of type %1, biometric set identifier %2 for identifier %3	1	IMT	BSI	UCN
L0163	Secondary Biometric Enrollment Error	Unable to enroll biometric of type %1 for identifier %2	2	IMT	UCN	
L0164	Enrollment Request without Fingerprints (no MOU)	Enrollment Request without Fingerprints (no MOU)	0			
L0165	Fingerprint and Secondary Biometric Enrollment Failed Validation	Unable to enroll Fingerprints, secondary biometric enrollment was not attempted	0			
L0166	Enrollment Failure due to1-to-1 Fingerprint Verification	Enrollment failure, Fingerprints failed 1-to-1 verification with Fingerprints on file	0			
~~L0167~~	~~Biometric Not Available~~	~~The requested biometric is not available~~	~~0~~			
L0167	Biometric Sample Failed Validation	The biometrics provided failed to validate against an existing Identity	0			
L0169	Biometric Not Available	The requested biometric for UCN %1 is not available	1	UCN		
L0170	Photo Image Delete Error	No Photo images were deleted, the DOA %1 has multiple events. Please contact CJIS customer service.	1	DOA		
M0001	Unsolved Record Status	Unsolved record removed from unsolved repository	0			

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
M0002	Unsolved Record Status	Unsolved record retained in unsolved repository	0			
M0003	Unsolved Record Status	Unsolved record retained, requestor not owner	0			
M0004	Unsolved Record Status	Unsolved record retained, probe is unsolved	0			
M0005	Unauthorized Repository Access	Requestor search of repository %1 not authorized	1	NDR(s) (each applicable NDR value is listed separated by commas)		
M0006	Mix of Known and Unsolved Records	Request contains mix of Known and Unsolved records for search, the Unsolved records in repository %1 were not searched	1	NDR		
M0007	Mix of Known and Unsolved Records	Request contains mix of Known and Unsolved records for search, the Known records in repository %1 were not searched	1	NDR		
M0008	Caveat for Returning Matched Minutiae	This match was made using information beyond feature data	0			
M0009	Audit Trail Incomplete	Only latest 100 image disseminations are included, contact CJIS customer service for further audit information, or further limit the biometric audit trail request and resubmit.	0			
M0010	Additional Biometric Sets were deleted besides what is reported	The maximum number of deleted biometric sets for reporting has been exceeded, contact CJIS customer service for the remainder of the deleted records.	0			

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
M0011	Biometric Sample Quality Below Threshold	The %1 biometric for UCN %2 fails to meet NGI Minimum Image Quality Standards and has not been enrolled	2	IMT	UCN	
M0012	Biometric Sample Failed Validation	The %1 biometric for UCN %2 has failed validation with Fingerprints on file and was not enrolled	2	IMT	UCN	
M0013	Enrollment Request without Fingerprints (no MOU)	The %1 biometric enrollment request had no accompanying Fingerprints (no MOU)	1	IMT		
M0014	Photo not Available	The requested photo is not available	0			
M0015	Potential Identity Theft Victim – Fingerprint Match	The fingerprints of the individual match an Identity record; however, the descriptive information provided does match a different Identity record. The individual may be a victim of Identity Theft.	0			
M0016	Potential Identity Theft Victim – Fingerprint No Match	The fingerprints of the individual do not match an Identity record; however, the descriptive information provided matches an Identity record. The individual may be a victim of identity theft.	0			
M0017	LESC Quota Exceeded	The LESC was not searched due to daily quota exceeded.	0			
M0018	LESC Not Searched	Based on TP Identification search content the LESC was not searched.	0			
M0019	Photo Images from Multiple Events	The Photo images returned span multiple events for the DOA %1 specified in request.	1	DOA		

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
M0020	Photo Image Delete Error	No Photo Images were deleted, the DOA %1 has multiple events. Please contact CJIS customer service.	1	DOA		
M0021	Matching Minutiae Could Not be Returned	Matched minutiae could not be returned for one or more of the candidates.	0			
M0022	Biometric Sample Failed Validation	The %1 biometric for UCN %2 has failed validation with Fingerprints in submission and was not enrolled	2	IMT	UCN	
M0023	Biometric Not Available	The requested biometric for UCN %1 is not available	1	UCN		
M0024	Image Retrieval Element Failed Validation	Image retrieval for SI %1 contains invalid data for element %2, with value of [%3]	3	SI (from BID)	Element Name	Element NameValue
M0025	Image Retrieval Field Relationship Error	Image Retrieval for SI %1 contains an inconsistency between element %2 and element %3	23	SI (from BID)	Element Name	Element Name
M0026	Photo(s) Not Enrolled to Matcher	The following facial photos were retained for UCN %1 but fail to meet NGI Minimum Image Quality Standards and were not enrolled for searching: %2	2	UCN	BSI (List of BSI's separated by commas. If MSG field becomes full another MSG is generated with remaining BSIs)	
M0027	Unauthorized to Establish External Link	The requestor is not authorized to establish external link with TOT %1	1	TOT of incoming message		
M0028	External Link Already Exists	The External Subject identifier %1 is already associated with UCN %2	2	ESI	UCN	

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
M0029	External Link Already Exists	The UCN %1 is already associated with an ESI: %2	2	UCN	ESI (of previously established external link for same external system)	
M0041	Match Notification from Cascaded Search of ULF with Retained Biometrics	Biometrics submitted by %1 are a potential match to your agency's Unsolved Latent File record as referenced in this notification	1	CRI (CRI1 of cascaded search submission)		
M0042	Match Notification from Cascaded search of ULF with Non-Retain Biometrics	Non-retain biometrics submitted by %1 / %2 are a potential match to your agency's ULF record as referenced in this notification. If contact information can't be located for %1 in NCIC or Nlets and additional information is needed, contact the CJIS Division at 304-625-5868.	2	ORI (ORI of non-retain submission)	CRI (CRI1 of non-retain submission)	
M0043	Match Notification from Biometric Decision on ULF record	A Biometric Decision with TCN %1 submitted by %2 is a potential match to your agency's Unsolved Latent File record as referenced in this notification. Your ULF record is enrolled as UCN %3.	3	TCN (of BDEC submission)	CRI (CRI1 of the BDEC submission)	UCN (Of ULF record from candidate list, not legacy SCNA)
M0044	Match Notification from Cascaded Search of UPF with Retained Biometrics	Biometrics submitted by %1 are a potential match to your agency's Unsolved Photo File record as referenced in this notification	1	CRI (CRI1 of cascaded search submission)		
M0045	Match Notification from Cascaded search of UPF with Non-Retain Biometrics	Non-retain biometrics submitted by %1 / %2 are a potential match to your agency's UPF record as referenced in this notification. If contact information can't be located for %1 in NCIC or Nlets and additional information is needed, contact the CJIS Division at 304-625-3223.	2	ORI (ORI of non-retain submission)	CRI (CRI1 of non-retain submission)	
M0046	Match Notification from Biometric Decision on UPF record	A Biometric Decision with TCN %1 submitted by %2 is a potential match to your agency's Unsolved Photo File record as referenced in this notification.	3	TCN (of BDEC submission)	CRI (CRI1 of the BDEC submission)	UCN (UCN of UPF record from candidate list)
M0047	Match Notification from Cascaded Search of SPC with Retained Biometrics	Biometrics submitted by %1 are a potential match to your agency's Special Population Cognizant File record as referenced in this notification	1	CRI (CRI1 of cascaded search submission)		

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
M0048	Match Notification from Cascaded search of UPF with Non-Retain Biometrics	Non-retain biometrics submitted by %1 / %2 are a potential match to your SPC file as referenced in this notification. If contact information can't be located for %1 in NCIC or Nlets and additional information is needed, contact the CJIS Division at 304-625-5868.	2	ORI (ORI of non-retain submission)	CRI (CRI1 of non-retain submission)	
M0049	Match Notification from Biometric Decision on SPC record	A Biometric Decision with TCN %1 submitted by %2 is a potential match to your agency's SPC File record as referenced in this notification. Your SPN record is enrolled as UCN %3.	3	TCN (of BDEC submission)	CRI (CRI1 of the BDEC submission)	UCN (UCN of SPC record from candidate list)
M0050	Supervised Release Identity Restoration Triggering Event	The Identity associated with your agency's supervised release has been restored to its previous state.	0			
RB001	Unauthorized to Participate in Rap Back Service	Requestor is not authorized to participate in Rap Back Service.	0			
RB002	Unable to Create Rap Back Subscription	The Rap Back Subscription was not created	0			
RB003	Unauthorized Trigger Event	Requestor is not authorized for Rap Back Trigger %1	1	RBT [Each unauthorized event trigger description separated by commas]		
RB004	Invalid Expiration Date	An invalid Rap Back expiration date was requested, changed to maximum allowed date %1	1	Date of expiration in the form CCYYMMDD		
RB005	Invalid TOT for Rap Back Service Subscription	The TOT %1 cannot be used for a Rap Back subscription request	1	TOT		
RB006	Rap Back Subscription Access Error	Contributor is not a Rap Back subscriber for subscription %1 on the Identity %~~1~~2.	2	RBSI	UCN	

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
RB007	Rap Back Subscription Expired	Rap Back maintenance cannot be performed on subscription %1 because it has expired or been cancelled. A new Rap back subscription must be established.	1	RBSI		
RB009	Rap Back Consolidation Triggering Event	A Consolidation of NGI Identities has resulted in the information for deleted identity(ies) (UCN(s) %1 being consolidated with the retained Identity UCN %2.	2	UCN [Each killed UCN is listed and separated by commas]	UCN [The kept UCN]	
RB010	Rap Back Identity Deletion Triggering Event	The Identity associated with UCN:%1 has been deleted from NGI, resulting in the deletion of your Rap Back Subscription ID#:%2	2	UCN	RBSI	
RB011	Death Notice with Fingerprints	Person with UCN:%1 has been reported to FBI CJIS as deceased. Deceased's fingerprints were provided.	1	UCN		
RB012	Death Notice without Fingerprints	Person with UCN:%1 has been reported to FBI CJIS as deceased. Deceased's fingerprints were not provided.	1	UCN		
RB013	Rap Back Subscription Does Not Exist	An active Rap Back subscription does not exist for the UCN %1 and subscription %2	2	UCN	RBSI	
RB014	Rap Back Subscription Deleted with Civil Event	Rap Back Subscription %1 was deleted due to the Civil event being deleted for UCN %2	2	RBSI (if multiple then they are listed and separated by commas)	UCN	
RB015	The Rap Back Specification is Missing Required Fields	The Rap Back Subscription was not created due to the %1 not being specified	1	Field TagName		
RB016	Rap Back Renewal Notification	The Rap Back subscription %1 will expire on %2 unless the expiration date is extended or the term renewed through a Rap Back maintenance request	2	RBSI	Date of expiration in the form CCYYMMDD	

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
RB017	Rap Back Identity Restoration Triggering Event	~~Reference Prior Rap Back Notification ID~~ The %1~~: This %2~~ action has been reversed in NGI for UCN %2. Rap Back ID# %3 has been restored to its previous state	3	~~RBNI~~The action that is to be restored; e.g. expunge, consolidation, deletion.	UCN (for which the action was reversed, can be killed or kept UCN during consolidation) ~~The action that is to be restored; e.g., expungement, consolidation, deletion.~~	RBSI
RB018	Criminal Retain Submissions	Criminal arrest received from CRI – %1: Date of Arrest %2	2	CRI	DOA	
RB019	Dispositions	Court Disposition received from JID - %1: Date of Arrest %2	2	ORI	DOA	
RB020	Civil Retain	Civil Event received from CRI - %1: Date of Receipt %2	2	CRI	Date of Civil Event receipt in the form CCYYMMDD	
RB021	Expungement / Partial Expungement	Expungement of Criminal Arrest from CRI - %1: Date of Arrest %2	2	CRI	DOA	
RB022	Want Addition	NCIC Wanted Person entry from ORI - %1: NIC/%2, Date of Warrant %3	3	ORI	NCIC number	Date of Warrant in the form CCYYMMDD
RB023	Want Deletion	NCIC Wanted Person deletion from ORI - %1: NIC/%2, Subject no longer wanted by agency	2	ORI	NCIC number	
RB024	Want Modification	NCIC Wanted Person modification from ORI - %1: NIC/%2, Date of Warrant %3	3	ORI	NCIC number	Date of Warrant in the form CCYYMMDD
RB025	Sexual Offender Registry Addition	Sexual Offender Registry entry from ORI - %1:NIC/%2, Date of Registration %3	3	ORI	NCIC number	Date of Registration in the form CCYYMMDD

Code	Condition for Message	Description	Count	Insert #1	Insert #2	Insert #3
RB026	Sexual Offender Registry Deletion	Sexual Offender Registry deletion from ORI - %1:NIC/%2, Subject no longer registered with agency.	2	ORI	NCIC number	
RB027	Sexual Offender Registry Modified	Sexual Offender Registry modification from ORI - %1:NIC/%2, Date of Registration %3	3	ORI	NCIC number	Date of Registration in the form CCYYMMDD
RB028	External	External System Activity received from ORI - %1:%2	2	ORI	Date of Activity in the form CCYYMMDD	
S0002	General segment error	A general segment error was detected that is not currently defined. Optional error message: %1 %2%3.	0-3	Free Text	Free Text	Free Text
W0002	Manual Arrest Records	The Criminal History of subject %1 is contained in the FBI manual files	1	FNU		
W0003	Unassigned FBI Number	Subject %1 may be in the FBI manual files, but does not exist in the Criminal History Files.	1	FNU		

Error Class Key:

A – Authorization – Security Errors

B – General Biometrics

E – Element – Intersegment and External Message Element Errors

H – Header – Intersegment Message Header Errors

L – Logic – Operational Errors

M – Message – Informational Messages

R – Error with Retry Allowed

RB – Rap Back

S – Status – Segment Status Errors

W – Warning Only

Appendix O: POB Code Table

Appendix O contains the codes for Place of Birth (POB 2.020) and Citizenship (CTZ 2.021) fields. The 'CTZ' contains an asterisk (*) for those codes that are valid for usage in the CTZ 2.021 field. All codes are valid for usage in the POB 2.020 field. The "DATE AHEAD FLAG" indicates those codes where the ~~Date of Birth (DOB 2.022)~~ local date may be a day ahead of North American time zones.

Aggregate List of Changes

Section	TOU Number	Change
3.1.1.6 EMUF	10.0.1	Updated second paragraph
3.1.1.9 FIDR	10.0.1	Updated first paragraph
3.1.3.1 RPIS	10.0.1	Updated second paragraph
3.3.1.1 IRQ	10.0.1	Updated first paragraph Added paragraph after the first paragraph
3.3.1.3 IRR	10.0.1	Updated first paragraph
3.3.1.4 ISR	10.0.1	Updated first paragraph
3.4.4.2 TXTSRCH	10.0.1	Updated first paragraph Added second and third paragraphs, describing TOT use
3.4.4.4 SRB	10.0.1	Replaced second paragraph
3.5.1 SPN	10.0.1	Updated first paragraph
3.5.6 ULM	10.0.1	Updated second paragraph
3.6.5 BDEL	10.0.1	Updated third paragraph
3.6.14 FISR	10.0.1	Updated first paragraph
3.6.15 SPMNT	10.0.1	Updated second paragraph
Appendix B	10.0.1	Added 1.011 NSR
Appendix C	10.0.1	Relabeled column headings and table name, also reversed columns for Table 11 BID Values Table Updated 2.014 FBI Data Dictionary definition Updated 2.037 RFP Data Dictionary definition Updated 2.079 NCR Data Dictionary definition Updated 2.084 AMP Data Dictionary code table Updated 2.2010 NIR Data Dictionary definition Updated 2.2032C TOT of Dissemination for Max Length 2.2058 SMD spelling correction in SMI Values Table Updated 2.2069B RBT for Min Occurances Updated 2.2069C RBEI for Min Occurances
Appendix D	10.0.1	Updated 2.017 MNU for FDSP Updated 2.084 AMP for AMN, CAR, CNA, CPDR, CPNU, DEK, DEU, DOCE, EMUF, FANC, FAUF, FDSP, FIDR, FNDR, FVR, MAP, MPR, NFUE, NFUF, NNDR, and RPIS Added 2.098 NDR to FIDR

Section	TOU Number	Change
Appendix E	10.0.1	Updated 2.014 FBI for IRR Updated 2.018 NAM for EQHR and EQRR Updated 2.021 CTZ for EQHR Updated 2.037 RFP from UULD Updated 2.073 CRI for EHRR, EQER, EQHR, EQRR and ERRR Updated 2.075 ERS for RBN Updated 2.084 AMP for SRT Updated 2.084 AMP for TPIS and TPRS Updated 2.098 NDR for ISR Updated 2.2033 CNL for SRB Updated 2.026 SMT for TXTSRCH Updated 2.2058 SMD for TXTSRCH Updated 2.2059 TCL for TXTSRCH
Appendix F	10.0.1	Updated section 4.10.4 Requirement
Appendix I	10.0.1	Removed 2.006 ATN from XACT and XACTR Updated 2.014 FBI for PDR Removed 2.055 SLE from SRNR Added 2.073 CRI, 2.2100 SED, 2.2101 SST, 2.2102 RSC, 2.2103 STT, and 2.2104 SRA to SRNR Added 2.073 CRI and 2.075 ERS to SRNRR Updated 2.084 AMP for FIS Updated 2.2035 EVI for DSPR
Appendix J	10.0.1	Updated table heading for Table 45 Updated Table 46 Update table heading for Table 47
Appendix K	10.0.1	Added sentence to end of section
Appendix L	10.0.1	Updated FIS for T17 Updated FIDR for T4 and T14 Updated IRR for T9 and T14 Updated IRQ Response TOTs
Appendix M	10.0.1	Updated messages in Table M-1 based on Operational needs Added Error Class Key to Table M-1
Appendix O	10.0.1	Corrected appendix introduction