Field Number	Field Mnemonic	Parent	Element	Min	Max	Definition	Example
--------	--------		itl:NISTBiometricInformationExchangePackage	1	1	A biometric information exchange package representing one biometric transaction	
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageInformationRecord	1	1	Information describing transaction.	
--------	--------	itl:PackageInformationRecord/	itl:Transaction	1	1	Transaction information.	
1.002	VER	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionMajorVersionValue *and* itl:TransactionMinorVersionValue	1	1	Major and minor version number of the ANSI/NIST-ITL standard implemented by the software or system creating the file.	05 00
1.003	CNT	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionContentSummary	1	1	A summary of the record contents being transmitted.	
1.003-B	CRC	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionContentSummary/	itl:ContentRecordQuantity	1	1	Total number of Type-2 through Type-99 records in the transaction.	13
--------	--------	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionContentSummary/	itl:ContentRecordSummary	1	999	A summary of the contents of each record in the transaction listed IN ORDER OF APPEARANCE (other than the Type-1 record).	
1.003-C	REC	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionContentSummary/ itl:ContentRecordSummary/	itl:RecordCategoryCode	1	1	Record category code indicating record types included in the transaction.	2
1.003-D	IDC	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionContentSummary/ itl:ContentRecordSummary/	biom:ImageReferenceID	1	1	IDC included in the associated record	00
1.004	TOT	itl:PackageInformationRecord/ itl:Transaction/	ebts:TransactionCategoryCode	1	1	Type of Transaction	CAR
1.005	DAT	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionDate	1	1	Local date that the transaction was submitted (yyyy-mm-dd).	2007-01-01
1.006	PRY	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionPriorityValue	0	1	The urgency with which transaction response is desired (1 = highest priority). The default value is defined by the agency receiving the transaction.	1
1.007	DAI	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionDestinationAgency/ nc:IdentificationID	1	1	This mandatory field shall contain the ORI of the organization designated to receive the transmission.	DCFBIWA6Z
1.008	ORI	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionOriginatingAgency/ nc:IdentificationID	1	1	This mandatory field shall contain the ORI of the organization originating the transaction. Note: In a submission to the FBI, the submitting agency (usually the CJIS Systems Agency (CSA)) is the ORI and the FBI is the DAI, while the FBI's response to the submission will show the FBI as the ORI and the submitting agency as the DAI.	NY0303000
1.009	TCN	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionControlNumberID	1	1	Transaction control number as assigned by the originating agency. A unique control number shall be assigned to each transaction. For any transaction that requires a response, the respondent shall refer to this number in communicating with the originating agency.	1234567890
1.010	TCR	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionControlReferenceNumberID	0	1	TCN referencing a previously submitted transaction.	1234567890
--------	--------	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionImageResolutionDetails	1	1	A set of resolution values in pixels per milimeter (ppmm) for a transaction.	
						A native resolution of transaction	

1.011	NSR	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionImageResolutionDetails/	biom:NativeScanningResolutionValue	1	1	originator's scanning equipment in ppmm. This field is only applicable to Type-4 or Type-7 records, and shall be set to "00.00" otherwise.	19.69
1.012	NTR	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionImageResolutionDetails/	biom:NominalTransmittingResolutionValue	1	1	For EBTS transactions, this mandatory field shall specify the nominal transmitting resolution in ppmm for fingerprint images transmitted in Type-4 or Type-7 records. For transactions that do not contain Type-4 or Type-7 fingerprint image records, this field shall be set to "00.00".	19.69
1.013	DOM	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionDomain	1	1	This mandatory field identifies the domain name for the user-defined Type-2 logical record implementation.	
1.013-A	DNM	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionDomain/	itl:TransactionDomainName	1	1	Uniquely identifies agency, entity, or implementation used for formatting the fields of the Type-2 record.	NORAM
1.013-B	DVN	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionDomain/	itl:DomainVersionNumberID	1	1	Unique version of the particular implementation.	EBTS 11.1
1.014	GMT	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionUTCDate	0	1	Optional field with transaction date and time expressed in terms of Greenwich Mean Time.	2007-01-01T00:00:01Z
1.015	DCS	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionCharacterSetDirectory	0	1	Specifies the character encoding that may appear within this transaction for data with the character type listed as "U" or 'user-defined' in the record format tables.	
1.015-A	CSI	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionCharacterSetDirectory/	itl:CharacterSetIndexUserDefinedCode OR itl:CharacterSetIndexCode	1	1	A character set index number that references an associated character set throughout a transaction.	0
1.015-B	CSN	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionCharacterSetDirectory/	itl:CharacterSetUserDefinedName OR itl:CharacterSetCommonNameCode	1	1	A common name for the character set associated with index number.	UTF-8
1.015-C	CSV	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionCharacterSetDirectory/	itl:CharacterSetVersionID	0	1	Specific version of the character encoding used.	000
1.016	APS	itl:PackageInformationRecord/ itl:Transaction/	itl:TransactionApplicationProfile	0	99	Transaction's conformance with one or more specifications derived from ANSI/NIST (e.g., EBTS, INT-I, etc.)	
1.016-A	APO	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionApplicationProfile/	biom:ApplicationProfileOrganizationName	1	1	Agency or entity responsible for specification.	FBI
1.016-B	APN	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionApplicationProfile/	biom:ApplicationProfileName	1	1	Name of specification.	EBTS
1.016-C	APV	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionApplicationProfile/	itl:ApplicationProfileVersionNumberID	1	1	Specific version of specification.	10
1.017-A	ANM/DAN	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionDestinationAgency/	itl:AgencyName	0	1	Name of agency listed in 1.007.	ANONYMOUS SHERIFF'S OFFICE
1.017-B	ANM/OAN	itl:PackageInformationRecord/ itl:Transaction/ itl:TransactionOriginatingAgency/	itl:AgencyName	0	1	Name of agency listed in 1.008.	ANONYMOUS SHERIFF'S OFFICE
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageDescriptiveTextRecord	1	2	Textual information relating to the subject of the transaction.	
2.002	IDC	itl:PackageDescriptiveTextRecord/	biom:ImageReferenceID	1	1	IDC assigned in 1.003-D to this Type-2 record.	00

		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordTransactionActivity	0	1	An element to represent FBI-Specific information used to identify an Activity that initiated the transaction.	
2.003	FFN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:FBIFileNumberID	0	1	This is a 10 byte numeric representing the FBI Investigative File Number. This is not the FBI Number specified by the mnemonic "FBI." Since it is used for FBI Latent Print Unit record-keeping purposes, it is imperative that the user transmit this number if it is known.	2537597861
2.005	RET	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	biom:RecordRetentionIndicator	0	1	True if the arrest/civil submission information submitted is to be retained as a permanent part of the FBI's Criminal Master File/Civil File; false otherwise.	true
2.006	ATN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	nc:CaveatText	0	1	Individual to whose attention a response is to be directed (no periods allowed). The value of ATN returned to the submitter is the value submitted.	SA J Q DOE,RM 11867
2.007	SCO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ biom:RecordForwardOrganizations/	nc:OrganizationIdentification/ nc:IdentificationID	0	9	Indicates that additional electronic responses need to be forwarded to agencies other than the contributor by the State Identification Bureau. Upon receiving an electronic response, the state identification bureau will forward a copy of the electronic response to each agency listed in the "SEND COPY TO" block.	NY030025P
2.009	OCA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	nc:CaseTrackingID	0	1	An identifier used to track a case. Must not begin with a space.	Q880312465
2.010	CIN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:ContributorCaseIdentificationNumber	0	5	An element that contains identification information assigned by the contributor to uniquely identify a latent case.	
2.010-A	CINPRE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:ContributorCaseIdentificationNumber/	ebts:ContributorCasePrefixText	1	1	A description of the Contributor Case number.	Investigation Number
2.010-B	CINID	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:ContributorCaseIdentificationNumber/	ebts:ContributorCaseID	1	1	An identification assigned by the contributor to uniquely identify a latent case.	1963BRT715
2.011	CIX	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:ContributorCaseIdentificationNumber/	ebts:ContributorCaseExtensionID	0	1	An element that supplements the Case Identifier Number, allowing multiple searches to be associated with the same case.	0001
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:FBILatentCaseIdentification	0	1	An identification for a FBI latent case number.	
2.012	LCN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:FBILatentCaseIdentification/	ebts:FBILatentCaseNumberID	1	1	An identification assigned by the FBI and used for record keeping purposes.	MX-12345678
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/				Defines extensions assigned by the FBI	

2.013	LCX	ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:FBILatentCaseIdentification/	ebts:FBILatentCaseNumberExtensionID	1	1	for each submission related to a Latent Case Number.	00001
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordSubject	0	1	An element that contains information used to identify the subject of a record transaction.	
2.014	FBI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	j:PersonFBIIdentification/ nc:IdentificationID	0	1000	A number which uniquely specifies Identities contained in the NGI database.	62760NY12
2.015	SID	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonStateIdentification/ nc:IdentificationID	0	1000	An identification of a person based on a state- issued ID card. The traditional encoding format is the standard two character abbreviation of the state name followed by the number. Embedded spaces are not permitted.	NY12345678
2.016	SOC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonSSNIdentification/ nc:IdentificationID	0	4	A unique reference to a living person; assigned by the United States Social Security Administration.	220-56-5855
2.017	MNU	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonOtherIdentification	0	4	The subject's miscellaneous identification numbers shall be entered in this field. Types of numbers not listed in the MNU code table (such as driver's license) shall NOT be entered.	
2.017-A	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonOtherIdentification/	ebts:PersonIDCategoryCode	1	1	An element to indicate the category of Miscellaneous Identification provided for a Person.	PP
2.017-B	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonOtherIdentification/	nc:IdentificationID	1	1	Value that identifies something.	1234567890P
2.018	NAM	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonName	0	1	Name(s) of the subject. The combined length of sur name, middle name, and given name cannot be more than 50. If it is, NGI will truncate the full name at 50 characters.	
2.018-A	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonName/	nc:PersonGivenName	0	1	A first name of a person.	ANTHONY
2.018-B	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonName/	nc:PersonMiddleName	0	1	A middle name of a person.	P
2.018-C	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonName/	nc:PersonSurName	1	1	A last name or family name of a person.	JONES
2.019	AKA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonAlternateName	0	10	Alias names of the subject. The combined length of sur name, middle name, and given name cannot be more than 50. If it is, NGI will truncate the full name at 50 characters.	
		itl:PackageDescriptiveTextRecord/					

2.019-A	--------	itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonAlternateName/	nc:PersonGivenName	0	1	A first name of a person.	TONY
2.019-B	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonAlternateName/	nc:PersonMiddleName	0	1	A middle name of a person.	P
2.019-C	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonAlternateName/	nc:PersonSurName	1	1	A last name or family name of a person.	JONES
2.020	POB	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonBirthPlaceCode	0	1	The subject's place of birth shall be entered in this field. Include state (Mexico or United States), territorial possession, province (Canada), or country of birth.	VA
2.021	CTZ	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonCitizenshipCode	0	10	Code for the name of the country of which the subject is a citizen. Entry must be a valid country code from Code Table POB in Appendix O.	US
2.022	DOB	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonBirthDate/ nc:Date	0	5	This field contains the date of birth. Unknown DOBs are not allowed, however, partial DOBs will be accepted. DOB shall not exceed date of submission after time zone adjustment.	1979-08-15
2.023	AGR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonAgeRange	0	1	An estimated age range may be entered using a pair of two digit age numbers.	
2.023-A	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonAgeRange/	nc:RangeMinimumIntegerValue	1	1	A minimum value of a range.	25
2.023-B	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonAgeRange/	nc:RangeMaximumIntegerValue	1	1	A maximum value of a range.	30
2.024	SEX	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonSexCode	0	1	This field is used to report the gender of the subject.	M
2.025	RAC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	j:PersonRaceCode	0	1	This field is used to indicate the race of the subject.	W
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonPhysicalFeature	0	1	An element that contains information about a physical feature of a person.	
2.026	SMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/	ebts:PhysicalFeatureCategoryCode	0	10	NCIC designation code for a scar, mark, or tattoo present on the subject.	TAT L ARM
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/	ebts:PersonHeightMeasure	0	1	A measurement of the height of a	

		ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/				person.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonHeightMeasure/	nc:MeasureUnitText	1	1	A unit that qualifies the measurement value. Must be 'FeetInches' or 'Inches'	FeetInches
2.027	HGT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonHeightMeasure/	nc:MeasureIntegerValue	0	1	A specific measurement value.	601
2.028	HTR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonHeightMeasure/	nc:MeasureIntegerRange	0	1	An estimated height range indicating the shortest and tallest heights of the subject.	
2.028-A	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonHeightMeasure/ nc:MeasureIntegerRange/	nc:RangeMinimumIntegerValue	1	1	A minimum value of a range.	508
2.028-B	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonHeightMeasure/ nc:MeasureIntegerRange/	nc:RangeMaximumIntegerValue	1	1	A maximum value of a range.	603
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonWeightMeasure	0	1	A measurement of the weight of a person.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonWeightMeasure/	nc:MeasureUnitText	1	1	A unit that qualifies the measurement value.	Pounds
2.029	WGT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonWeightMeasure/	nc:MeasureIntegerValue	0	1	Subject's weight in pounds. If weight is unknown, 000 is entered.	182
2.030	WTR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonWeightMeasure/	nc:MeasureIntegerRange	0	1	Two three digit numbers indicating the minimum and maximum weights (in pounds) of the subject.	
2.030-A	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonWeightMeasure/ nc:MeasureIntegerRange/	nc:RangeMinimumIntegerValue	1	1	A minimum value of a range.	175
2.030-B	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonWeightMeasure/ nc:MeasureIntegerRange/	nc:RangeMaximumIntegerValue	1	1	A maximum value of a range.	190
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/					

2.031	EYE	ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonEyeColorCode	0	1	The color of the subject's eyes.	BLU
2.032	HAI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonHairColorCode	0	1	The color of the subject's hair.	BRO
2.033	FPC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/	ebts:NCICFingerprintClassificationCodeText	0	1	If available, the NCIC fingerprint classification will be returned in the FBI's responses to latent submissions.	PI
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/	ebts:PersonFingerprintSet	0	1	A representation of the identifying characteristics of a person's set of fingerprints.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/ ebts:PersonFingerprintSet/	ebts:FingerprintImageFinger	0	10	An element that contains information about a finger in an image.	
2.034-A and 2.091-A and 2.092-A	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFinger/	biom:FingerPositionCode	0	1	A finger position code.	1
2.034 *and* 2.091 *and* 2.092	PAT *and* RCD1 *and* RCD2	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFinger/	ebts:RidgeCoreDelta	0	3	An element to allow for the representation of FBI specific elements for finger pattern and subpattern classifications.	
2.034-B	*PATCL*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFinger/ ebts:RidgeCoreDelta/	ebts:FingerprintPatternClassificationCode	1	1	Primary pattern type code of the finger.	WU
2.035	PPA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonPalmPrintAvailableIndicator	0	1	True if a subject's palm print is available, false otherwise.	true
2.036	PHT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonDigitalImageAvailableIndicator	0	1	True if a digital image is available for the Subject, false otherwise.	true
2.037	RFP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	nc:ActivityReasonText	0	1	This field is used to indicate the purpose of a civil or applicant fingerprint card submission. The submitting agency should indicate the specific statutory authority authorizing the fingerprint submission in this field.	OTHER EMPLOYMENT AND LICENSING
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:FrictionRidgeInformation	0	1	A container for latent friction ridge positions for searching palms or other LFR, such as supplementals.	

2.038	DPR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/	ebts:CaptureDate	0	1	Date the subject's biometric(s) were captured.	2013-03-31
2.039	EAD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/>	ebts:PersonEmployment	0	1	Subject's employer and work address	
2.039-A	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonEmployment/	nc:OrganizationName	0	1	Subject's employer	ACE CONSTRUCTION COMPANY
2.039-B	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonEmployment/	nc:Address	0	1	A Subject's work address.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonEmployment/ nc:Address/	nc:LocationStreet	0	1	A road, thoroughfare or highway.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonEmployment/ nc:Address/ nc:LocationStreet/	nc:StreetNumberText	0	1	A number that identifies a particular unit or location within a street.	327
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonEmployment/ nc:Address/ nc:LocationStreet/	nc:StreetName	0	1	A name of a street.	MAPLE AVE
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonEmployment/ nc:Address/	nc:LocationCityName	0	1	A name of a city or town.	BUFFALO
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonEmployment/ nc:Address/ nc:LocationState/	ebts:LocationStateCode	0	1	A state, commonwealth, province, or other such geopolitical subdivision of a country.	NY
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonEmployment/ nc:Address/	nc:LocationPostalCode	0	1	An identifier of a post office-assigned zone for an address.	14204
2.040	OCP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:EmployeeOccupationText	0	1	The subject's occupation. The OCP returned in a response is the same as the one submitted.	PLUMBER

		ebts:PersonEmployment/					
2.041	RES	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonResidenceLocation	0	1	The residential address of the person fingerprinted. The RES returned in a response is the same as the one submitted.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/	nc:Address	0	1	The residential address of the person fingerprinted.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:Address/	nc:LocationStreet	0	1	A road, thoroughfare or highway.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:Address/ nc:LocationStreet/	nc:StreetNumberText	0	1	A number that identifies a particular unit or location within a street.	327
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:Address/ nc:LocationStreet/	nc:StreetName	0	1	A name of a street.	MAPLE AVE
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:Address/	nc:LocationCityName	0	1	A name of a city or town.	BUFFALO
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:Address/ nc:LocationState/	ebts:LocationStateCode	0	1	A state, commonwealth, province, or other such geopolitical subdivision of a country.	NY
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:Address/	nc:LocationPostalCode	0	1	An identifier of a post office-assigned zone for an address.	14204
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordTransactionData	0	1	A Record Transaction section of an EBTS Record.	
2.042	MIL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionSubmissionMilitaryCode	0	1	The branch of the United States Military that submitted the enlistment transaction.	M
2.043	TSR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionSearchRequestCategoryCode	0	1	Indicates the type of record being submitted.	P
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/				Indicates the geographic area to be searched (if inclusion of all states and	

2.044	GEO	ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionSearchAreaCode	0	5	territories is desired, this field shall be omitted).	WV
2.045	DOA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:ArrestDate	0	1	A date that a subject was arrested. This is a local date for the region submitting the request and it shall not exceed the current date, except when the submission originates from an international contributor located in a time zone earlier than the Eastern Time Zone.	1995-03-24
2.046	DOS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:ArrestDateSuffixCode	0	1	A code representing the sequence of the subject's fingerprint submissions within a given date. This field is generally for internal use within the FBI only; however, authorized external contributors may use DOS codes for Date Fingerprinted, Date Print Received, Date of Offense, and Date of Application.	L
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:CriminalCycle	0	999	A container for the arrest information and associated disposition and supervised release information about a Subject for a particular Arrest.	
2.047	ASL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/	ebts:ArrestOffenseData	0	1	A container for the arrest information about a Subject for a particular Arrest.	
2.047-A	DOO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:ArrestOffenseData/	ebts:OffenseDate	0	1	A date of offense for a particular Arrest.	1995-03-24
2.047-B	AOL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:ArrestOffenseData/	j:ChargeText	1	1	The text of a offense charged on the arrest.	DUI
2.051	CSL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/	ebts:CourtDispositionData	0	1	A container for the court disposition information about a Subject for a particular Arrest.	
2.051-A	CDD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:CourtDispositionData/	ebts:DispositionDate	0	1	Date a court count was disposed of by the court. This is a local date for the region submitting the request and it shall not exceed the current date, except when the submission originates from an international contributor located in a time zone ahead of the Eastern Time Zone.	1995-03-24
2.051-B	COL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:CourtDispositionData/	j:ChargeText	1	1	Free text description of an offense charged in a court count.	DUI
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/				Free-text information on sentence	

2.051-C	CPL	ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:CourtDispositionData/	nc:DispositionText	1	1	provisions. 5 DAYS JAIL
2.051-D	CDN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:CourtDispositionData/	ebts:DispositionCategoryCode	1	1	A code to express the definitive disposition information about a Subject for a particular arrest. CONVICTED
2.051-E	CCT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:CourtDispositionData/	ebts:CourtCountNumber	0	1	Two or three digit sequential number assigned to each court count. 2
2.053	OFC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:OffenseCategoryCode	0	1	A code that indicates the offense category (personal, property, or both). 3
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:CustodySupervisoryData	0	1	A container for the supervised release information about a Subject for a particular Arrest.
2.054	SSD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/	ebts:StartDate	0	1	Start date for the subject's indicated custody or supervisory status. 1995-03-24
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/	ebts:SupervisionStatus	0	1	A container for the supervised release status information about a Subject for a particular Arrest.
2.055	SLE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/ ebts:SupervisionStatus/	nc:StatusText	0	1	Free-text description of the subject's custody or supervision status. RELEASED BY COURT ORDER
2.056	ICO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	j:SubjectOffenderNoticeText	0	1	Identification remarks not contained in other elements within the identification segment may be entered in this free-text field. MISSING PERSON
2.057	FNR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionFingerprintImagesRequested/	ebts:FrictionRidgePositionCode	0	13	Finger number(s) for which image information is requested; used in transactions involving a request for fingerprint image information (input "0" if all 14 tenprint images are desired). 06
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionResponseData	0	1	An element that contains response information to a EBTS Transaction.
2.059	SRF	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionSearchResultsCode	0	1	An element that indicates the identification results of a biometric search. I
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/				An element that contains reason, status MATCH MADE AGAINST SUBJECTS FINGERPRINTS

2.060	MSG	ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionStatusText	0	1000	or error messages that are generated as a result of the processing of a transaction.	ON 05/01/94. PLEASE NOTIFY SUBMITTING STATE IF MATCH RESULTS.
2.061	CST	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveFields/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	nc:CaseTitleText	0	1	This field identifies the Latent Case. It will include information concerning the case, and it must include the offense type.	ARMED ROBBERY FIRST COUNTY
2.062	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordBiometricImageCategoryCode	0	1000	Indicates the type of image included in an electronic submission and response.	FP
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionRepositoryResponse	0	1	An element that holds statistics that can be used to estimate the level of penetration of the repository given a set of search parameters defined in the search request.	
2.065	RSR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionRepositoryResponse/	ebts:TransactionRepositoryResponseRecord	1	∞	An element that details statistics that can be used to estimate the level of penetration of the repository given a set of search parameters defined in the search request.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionRepositoryResponse/ ebts:TransactionRepositoryResponseRecord/	ebts:RepositoryParameterText	1	1	A description of the parameter name for a repository response section.	EYE
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionRepositoryResponse/ ebts:TransactionRepositoryResponseRecord/	ebts:RepositoryParameterValueText	1	1	A description of the parameter value for a repository response section.	BLUE
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionRepositoryResponse/ ebts:TransactionRepositoryResponseRecord/	ebts:RepositoryCriminalParameterRatio	1	1	A percentage that indicates the fraction of the criminal files having that value of the parameter for a repository response section.	0.027
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionRepositoryResponse/ ebts:TransactionRepositoryResponseRecord/	ebts:RepositoryCivilParameterRatio	1	1	A percentage that indicates the fraction of the civil files having that value of the parameter for a repository response section.	0.015
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionRepositoryResponse/ ebts:TransactionRepositoryResponseRecord/	ebts:RepositoryCombinedParameterRatio	1	1	A percentage that indicates the fraction of the combined criminal and civil files having that value of the parameter for a repository response section.	0.025
2.067	IMA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordImageCaptureDetail	0	1	This field is used to log the make, model, and serial number of the equipment used to acquire images.	

2.067-A	MAK	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordImageCaptureDetail/	biom:DeviceMakeText	1	1	A make of an image capture device.	DBI
2.067-B	MODL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordImageCaptureDetail/	biom:DeviceModelText	1	1	A model of an image capture device.	1134
2.067-C	SERNO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordImageCaptureDetail/	biom:DeviceSerialNumberText	1	1	A serial number of the image capture device.	2838590029395784-4
2.070	RAP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordRapSheetFormatRequestCode	0	1	"Y" if an electronic rap sheet should be returned with the response; "X" if an XML Rapsheet should be returned with the response; "N" otherwise.	Y
2.071	ACN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionActionText	0	1	Text answers to submission requests to indicate that a latent case will be established or to indicate recommendations for further actions within response transactions. This field will also be used to indicate action taken by the FBI in response to electronic document (e.g., disposition) submissions.	IF NON-IDENT, SUBMIT TO UNSOLVED BIOMETRIC FILE
2.072	FIU	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionFingerprintImagesUpdated/	ebts:FrictionRidgePositionCode or ebts:FrictionRidgeExceptionCode	0	13	This field contains the finger positions that were updated in the FBI's Fingerprint Image Master File as a result of an electronic request to update fingerprint images.	2
2.073	CRI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:RecordControllingAgencyID	0	3	An identification that references an organization.	NY0303000
2.074	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/	ebts:FrictionRidgePositionCode	0	10	This field is used for latent searches and contains the fingerprint/supplemental/palm print position(s) code of the latent print(s) submitted for searching.	11
2.075	ERS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionElectronicRapSheetText	0	1	An element that represents a subject's rap sheet (Electronic Identity History Summary). In the case of a non-identification, the IdHS will consist of the Non-Identification Response (NIDR). For a TPRR transaction that contains multiple candidates, the IdHS for each candidate will be concatenated into this field.	Subject's Identity History Summary (IdHS) goes here
2.078	PEN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionPenetrationQueryResponsePercent	0	1	A response to the penetration query that includes the size, in percentage, of the repository that will be searched.	1
2.079	NCR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionImagesRequestedQuantity	0	1	An element that contains the maximum number of candidates (images) the submitter desires to receive in response to a latent image or features search. If the field is left space, only images for the highest scoring candidate will be returned.	20
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/				An elaboration on the response code in	PHOTO NOT FOUND FOR

Field	Code	XML Path	XML Element	Min	Max	Description	Example
2.080	EXP	ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionReasonText	0	1	field 2.082.	SPECIFIED DOA DOS
2.082	REC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionResponseIndicator	0	1	If the request contains any errors, the response code will be set to "false"; otherwise it will be set to "true". This field is used in the PDR and PRR transactions to indicate the status of the corresponding request.	true
2.083 or 2.2034	ULF or ULR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionUnsolvedLatentFileIndicator	0	1	This field is used to designate whether a latent image, features record, or unsolved facial photo should be added to the respective unsolved biometric file. Submit a 'true' for yes. If negative, submit 'false'. If the field is omitted, the default behavior will be 'false' (2.083). When used in a BDEC, indicates unsolved latent should be preserved in ULF (2.2034).	true
2.084	AMP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/ ebts:PersonFingerprintSet/	ebts:FingerprintImageFingerMissing	0	13	A missing finger in a fingerprint image (amputated or bandaged fingerprints).	
2.084-A	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFingerMissing/	biom:ExemplarFingerPositionCode	1	1	A finger position code.	3
2.084-B	AMPCD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFingerMissing/	biom:FingerMissingCode	1	1	A reason for a missing finger from a fingerprint image.	XX
2.086	SCNA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:AFISSegmentControlID	0	1	This field contains an identifier used to track or reference unsolved records. Legacy records that were deposited in the ULF prior to NGI Increment 3 will be referenced with their legacy SCNA. All other unsolved records will be referenced with a UCN in this field. The SCNA field is used, for example, to reference records in the ULF or UPF in the response to a latent or facial investigative search respectively.	3124
2.087	TAA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonAdultTreatmentIndicator	0	1	"true" if a juvenile is to be processed as an adult, "false" otherwise.	true
2.088	NOT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionDescriptionText	0	1	This free-text field is used to provide additional information regarding electronic latent submissions.	ADDITIONAL INFORMATION REGARDING ELECTRONIC LATENT SUBMISSIONS
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/					

2.091-B and 2.092-B	RCN1 and RCN2	ebts:RecordSubject/ ebts:FrictionRidgeInformation/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFinger/ ebts:RidgeCoreDelta/	biom:RidgeCountValue	0	2	A number of friction ridges between a core and delta on an image.	13
2.095	RFR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordFeaturesRequestIndicator	0	1	"Y" if user desires to have NGI return a Type-9 features record associated with an image requested during an Image Request or Latent Investigative Search, "N" otherwise.	true
2.096	RPR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordPhotoRequestIndicator	0	1	"True" if user desires to have CJIS return a Type-10 photo record if one is on file and able to be disseminated, "false" otherwise.	true
2.098	NDR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordFBIRepositoryCode	0	10	A code designation of the repository(ies) to be searched.	1
2.2007	SDOB	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonSubmittedBirthDate/	nc:Date	0	1	A date of birth as provided in a submission.	1976-12-27
2.2008	SNAM	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonSubmittedName	0	1	A name as provided in a submission. The combined length of sur name, middle name, and given name cannot be more than 50. If it is, NGI will truncate the full name at 50 characters.	
2.2008-A	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonSubmittedName/	nc:PersonSurName	1	1	A last name or family name of a person.	JONES
2.2008-B	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonSubmittedName/	nc:PersonGivenName	0	1	A first name of a person.	ANTHONY
2.2008-C	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonSubmittedName/	nc:PersonMiddleName	0	1	A middle name of a person.	PAUL
2.2010	NIR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordImagesRequestedQuantity	0	1	A number that indicates how many image records are being requested.	1
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordRapBackData	0	1	Logical data record containing rap back fields which provide identification and descriptive information associated with the Subscriber's Rap Back Subscription(s).	
2.2015	RBXD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackExpirationDate	0	1	Date a Rap Back Subscription expires under the Subscriber's Privacy Strategy (yyyy-mm-dd).	2010-02-24
2.2018	DNAC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:BinaryCODISAvailableIndicator	0	1	This field indicates whether the DNA available is located in the CODIS database for the subject identified on the CAR, CNA, and CPNU TOTs. The permissible values are Y or N.	false
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/				List of organization identifiers that additional electronic responses need to	

--------	--------	ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	biom:RecordForwardOrganizations	0	1	be forwarded to (additional recipients of Rap Back Notifications).	
2.2020	RBR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ biom:RecordForwardOrganizations/	nc:OrganizationIdentification/ nc:IdentificationID	1	9	An identification that references an organization.	WV10000000
2.2021	IFS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonFirearmSalesDisqualifiedCode	0	1	A status of person's eligibility to purchase firearms.	D
2.2022	CIDN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:ContributorAssignedNumberID	0	1	The unique number assigned to a single biographic search by the contributor.	ALA3459876
2.2023	SII	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionSupplementaryIdentityInformationText	0	1	Additional identity information of a subject not within the scope of the standard NGI Identity History Summary. The format and content of the information in this field may vary for different transactions.	MARTIAL ARTS EXPERT
2.2024	HTI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionHitCategoryCode	0	1	Type of hit that generated an unsolicited notification.	RISC
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionBiometricImagesRequested	0	1	List of requested biometric images.	
2.2028	BID	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/	ebts:BiometricImageDescription	0	1000	Information about biometric images the user requests in the submission.	
2.2028-A	SI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/ j:PersonFBIIdentification/	nc:IdentificationID	1	1	Information about biometric images the user requests in the submission.	WV234552
2.2028-B	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	ebts:BiometricImageCategoryCode	0	1	Indicates the type of biometric image.	LFR
2.2028-C	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	ebts:BiometricSetID	0	1	Unique identifier (BSI) for each biometric image set or photo (e.g., facial photo, fingerprint set, palmprint set, or a supplemental print set).	1234567
2.2028-D	FNR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	ebts:FrictionRidgePositionCode	0	1	Friction ridge position code of the image to be retrieved.	19
		itl:PackageDescriptiveTextRecord/					

2.2028-E	PPD	itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	ebts:PrintPositionDescriptors	0	1	Description of the probable area of the supplemental image to be retrieved when FNR equals supplemental (19).	
--------	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/ ebts:PrintPositionDescriptors/	biom:FingerPositionCode	1	1	A finger position code.	2
--------	FIC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/ ebts:PrintPositionDescriptors/	biom:MajorCasePrintCode	1	1	An element to indicate the code for the EJI or tip image that is a part of the transaction.	MED
2.2028-F	POS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	biom:FaceImageSubjectPoseCode	0	1	Code describing pose of subject in a facial image.	F
2.2028-G	SMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	ebts:PhysicalFeatureCategoryCode	0	1	NCIC designation code for a scar, mark, or tattoo present on the subject.	TAT L ARM
2.2029	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:BiometricSetID	0	1000	Unique identifier for each biometric image set or photo (e.g., facial photo, fingerprint set, palmprint set, or a supplemental print set).	1234567
2.2030	PPD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/	ebts:PrintPositionDescriptors	0	10	A description of a fingerprint's probable position, to allow transactions to reference EJI or Tip images. This field will be present if and only if the finger position code (19) appears in Field 2.074.	
2.2030-A	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/ ebts:PrintPositionDescriptors/	biom:FingerPositionCode	1	1	Finger position code.	10
2.2030-B	FIC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:FrictionRidgeInformation/ ebts:PrintPositionDescriptors/	biom:MajorCasePrintCode	1	1	Code for the EJI or tip image that is a part of the transaction.	EJI
2.2031	BIA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:BiometricImageAvailableCode	0	6	List of the available biometric images (fingerprint, palm print, supplemental print, facial photo, and SMT photo) for a given subject in the NGI repository.	FP
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionAuditTrailRecordList	0	1	A list of information associated with the dissemination of a Record owner's image.	

2.2032	ATR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/	ebts:AuditTrailRecord	0	100	An element for containing information associated with the dissemination of a Record owner's image.	
2.2032-A	ORI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/ ebts:RecordReceivingAgency/	nc:IdentificationID	1	1	An agency receiving the transaction record.	DC2653548
2.2032-B	DAT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ebts:RecordDisseminationDate	1	1	A date a record was disseminated.	2012-03-31
2.2032-C	TOT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ebts:RecordTransactionCategoryCode	1	1	A kind of code used to describe the purpose of the transaction.	CAR
2.2032-D	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ebts:BiometricSetID	0	1	Unique identifier for each biometric image set or photo (e.g., facial photo, fingerprint set, palmprint set, or a supplemental print set).	1234567
2.2032-E	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ebts:BiometricImageCategoryCode	0	1	Indicates the type of biometric image.	TP
2.2032-F	FNR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ebts:FrictionRidgePositionCode	0	1	A friction ridge position code.	19
2.2032-G	PPD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ebts:PrintPositionDescriptors	0	1	A description of the probable area of the finger represented in a fingerprint image.	
--------	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	biom:FingerPositionCode	1	1	A finger position code.	2

				Min	Max		
--------	*FIC*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/ ebts:PrintPositionDescriptors/	biom:MajorCasePrintCode	1	1	An element to indicate the code for the EJI or tip image that is a part of the transaction.	DST
2.2032-H	*POS*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	biom:FaceImageSubjectPoseCode	0	1	Code describing pose of subject in a facial image.	F
2.2032-I	*SMT*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ebts:PhysicalFeatureCategoryCode	0	1	NCIC designation code for a scar, mark, or tattoo present on the subject.	TAT L ARM
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionCandidateList	0	3	A list of candidates given as possible matches to a search request.	
2.2033	CNL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/	ebts:Candidate	1	99	An identification of a person matched by the EBTS system returned in response to an inbound transaction..	
2.2033-A	*SI*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/ j:PersonFBIIdentification/	nc:IdentificationID	1	1	A number issued by CJIS based on submitted fingerprints.	62760NY12
2.2033-B	*NAM*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	nc:PersonName	0	1	Candidate name.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/ nc:PersonName/	nc:PersonGivenName	0	1	A first name of a person.	ANTHONY
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/	nc:PersonMiddleName	0	1	A middle name of a person.	PAUL

			ebts:Candidate/ nc:PersonName/				
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/ nc:PersonName/	nc:PersonSurName	1	1	A last name or family name of a person.	JONES
2.2033-C	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:BiometricSetID	0	1	Unique identifier for each biometric image set or photo (e.g., facial photo, fingerprint set, palmprint set, or a supplemental print set).	1234567
2.2033-D	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:RecordBiometricImageCategoryCode	0	1	An element that indicates the type of candidate image included in an electronic latent submittal to identify the Type-7 or Type-13 record(s) present.	FP
2.2033-E	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:FrictionRidgePositionCode	0	1	A friction ridge position code.	19
2.2033-F	PPD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:PrintPositionDescriptors	0	1	A description of the probable area of the finger represented in a fingerprint image.	
--------	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/ ebts:PrintPositionDescriptors/	biom:FingerPositionCode	1	1	A finger position code.	2
--------	FIC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/ ebts:PrintPositionDescriptors/	biom:MajorCasePrintCode	1	1	An element to indicate the code for the EJI or tip image that is a part of the transaction.	MED
2.2033G	MSC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:CandidateMatchScoreValue	0	1	A number that represents the match score of a fingerprint for a candidate list response.	1200
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/					

2.2033-H	BIA	ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:BiometricImageAvailableCode	0	6	List of the available biometric images (fingerprint, palm print, supplemental print, facial photo, and SMT photo) for a given subject in the NGI repository.	FP
2.2033-I	NDR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:RecordFBIRepositoryCode	0	100	A code designation of the repository(ies) the candidate resides in.	9
2.2033-J	IDC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	biom:ImageReferenceID	0	1	An identification of a particular image record in a transaction (reference to the IDC of an image contained in a Type-4, 7, 10, 13, 14, or 15 record).	2
2.2033-K	NOT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:ORIPointOfContactText	0	1	An element providing free text ORI information when no image is available for candidate.	Photo held by NY DoJ
2.2033-L	POS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	biom:FaceImageSubjectPoseCode	0	1	Code describing pose of subject in a facial image.	F
2.2033-M	SMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:PhysicalFeatureCategoryCode	0	1	NCIC designation code for a scar, mark, or tattoo present on the candidate.	TAT L ARM
2.2035	EVI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:EnrollmentEventID	0	1	Unique identifier of a specific enrollment event for an identity. An EVI may have multiple BSI sets associated with a specific event.	9283463
2.2036	POS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	biom:FaceImageSubjectPoseCode	0	1	Code describing pose of subject in a facial image.	F
2.2037	ESI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:ExternalSubjectID	0	1000	Identification of a subject from an external system that represents a distinct identity.	12EF345678
2.2039	RBMI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:TransactionRapBackMaintenanceCode	0	1	Code indicating the type of maintenance action being requested for a Rap Back Maintenance Request.	A
2.2040	RBT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackTriggeringEventCode	0	40	Code identifying the type of event(s) which will cause future notifications to the subscriber for a Rap Back Subscription.	7
		itl:PackageDescriptiveTextRecord/				A number provided to the subscriber within the Rap Back Activity	

2.2041	RBNI	itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackActivityNotificationID	0	10	Notification when a reported event matches against one of their Rap Back subscriptions in NGI.	12345
2.2046	TLI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:TierLevelCode	0	1	A code indicating the appropriate level of dissemination for a retained RISC or RISC Special Interest enrollment.	2
2.2047	RAR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:ReturnAllRecordsIndicator	0	1	Indicates whether a search returns all Rap Back Subscriptions that are routed through the sending ORI.	true
2.2048	RBSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackSubscriptionID	0	1	Unique number assigned by NGI that identifies a rap back subscription as a whole (required to perform maintenance on existing subscription).	1234567
2.2049	RBTD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackTermDate	0	1	The Rap Back Subscription Term will not be used at this time, as there are currently no fees associated with Rap Back Services. The field remains available in case Rap Back fees are reinstated.	2015-01-01
2.2050	RBSL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackSubscriptionListText	0	1	List of Rap Back Subscriptions that have been enrolled into the Rap Back program.	Rap Back Subscription List goes here
2.2051	HNOTI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:HitNotificationRequestIndicator	0	1	True if a record should be marked for unsolicited hit notifications (UHN); false if a potential match against the associated record should not generate a UHN.	true
2.2052	MAI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionMaintenanceActionCode	0	1	Code that indicates what maintenance operation is being requested in a maintenance type transaction.	REPLACE
2.2054	RBSD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackSubscriptionDate	0	1	Date a rap back subscription was created (yyyy-mm-dd).	2011-01-25
2.2055	SMS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/	biom:PhysicalFeatureSize	0	1	Dimensions of the portion of image contained in this record (it may be the entire scar, mark, tattoo, injury or identifying characteristic).	
2.2055-A	HGT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ biom:PhysicalFeatureSize/	biom:PhysicalFeatureHeightMeasure	1	1	A feature's height in centimeters.	3
2.2055-B	WID	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ biom:PhysicalFeatureSize/	biom:PhysicalFeatureWidthMeasure	1	1	A feature's width in centimeters.	5
2.2058	SMD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/	biom:PhysicalFeatureDescriptionDetail	0	9	A complete description of scars, marks, or tattoos visible in a transmitted image (in addition to the description in 2.026).	
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/					

2.2058-A	*SMI*	ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureCategoryCode	1	1	A kind of physical feature, e.g. a scar, a mark, or a tattoo.	TATTOO
2.2058-B	*TAC*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureClassCode	0	1	A human tattoo class of an SMT or OTHER if not tattoo.	FLAG
2.2058-C	*TSC*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureSubClassCode	0	1	A human tattoo subclass of an SMT or MISC if not tattoo.	USA
2.2058-D	*TDS*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureDescriptionText	0	1	An additional description of the image or portion of image. This information item does not apply to scars and marks.	I LOVE USA
2.2059	TCL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureColorDetail	0	9	A set of colors of a physical feature.	
2.2059-A	*TC1*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ biom:PhysicalFeatureDescriptionDetail/ biom:PhysicalFeatureColorDetail/	biom:PhysicalFeaturePrimaryColorCode	1	1	A primary color of a tattoo in an image.	BLUE
2.2059-B 2.2059-C 2.2059-D 2.2059-E 2.2059-F	*TC2* *TC3* *TC4* *TC5* *TC6*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ biom:PhysicalFeatureDescriptionDetail/ biom:PhysicalFeatureColorDetail/	biom:PhysicalFeatureSecondaryColorCode	0	5	A secondary color of a tattoo in an image.	WHITE
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionBiometricImageEnrollmentRecordList	0	1	A list of information associated with the enrolled biometric images.	
2.2061	BIE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionBiometricImageEnrollmentRecordList/	ebts:BiometricImageEnrollmentRecord	0	61	An element for containing information associated with the enrolled biometric image.	
2.2061-A	*BSI*	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionBiometricImageEnrollmentRecordList/ ebts:BiometricImageEnrollmentRecord/	ebts:BiometricSetID	1	1	Unique identifier for each biometric image set or photo (e.g., facial photo, fingerprint set, palmprint set, or a supplemental print set).	1234567

2.2061-B	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionBiometricImageEnrollmentRecordList/ ebts:BiometricImageEnrollmentRecord/	ebts:BiometricImageCategoryCode	1	1	Indicates the type of biometric image.	PHF
2.2061-C	POS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionBiometricImageEnrollmentRecordList/ ebts:BiometricImageEnrollmentRecord/	biom:FaceImageSubjectPoseCode	0	1	Code describing pose of subject in a facial image.	F
2.2061-D	SMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionBiometricImageEnrollmentRecordList/ ebts:BiometricImageEnrollmentRecord/	ebts:PhysicalFeatureCategoryCode	0	1	NCIC designation code for a scar, mark, or tattoo present on the subject.	TAT L ARM
2.2062	RBNF	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackActivityNotificationFormatCode	0	1	Cod indicating whether the subscriber wishes Rap Back Activity Notification Format to be Pre-notification, Triggering Event, or Triggering Event with Identity History Summary. This field is mandatory in establishing a Rap Back Subscription.	2
2.2063	RBOO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackInStateOptOutIndicator	0	1	Indicates if submitter wishes to opt-out of receiving Rap Back notifications for Criminal Retain Submission events originating within the submitter's own state; false otherwise.	false
2.2064	RBUD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackUserDefinedElement	0	10	User-defined rap back field (purpose determined by submitter).	
2.2064-A	RBFN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:RecordRapBackUserDefinedElement/	ebts:UserDefinedElementName	1	1	A 50 character field in which the Subscriber can place a user-defined name for this field.	Element Name
2.2064-B	RBFT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:RecordRapBackUserDefinedElement/	ebts:UserDefinedElementText	1	1	A 100 character field in which the Subscriber places the user-defined text information. These fields are not disseminated on an Identity History Summary, rather they are returned to the SIB or Federal Submitting Agency with the Rap Back Activity Notifications.	Element Information
2.2065	RBC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackCategoryCode	0	1	Code indicating the category of the rap back subscription so that NGI will use correct Purpose Code when generating criminal history information.	F
2.2067	RBDI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackDisclosureIndicator	0	1	Indicates whether the Rap Back Subscription should be visible on Rap Sheets generated to other criminal justice agencies (for criminal justice submissions only). "True" if the Criminal Rap Back Subscription information should be included as	true

						Identity History Summary information; "false" otherwise.	
2.2068	DTR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RapBackDateRange	0	1	A date range used as input in the Rap Back Subscription List Request (RBRPT) transaction to limit responses to subscriptions expiring within the identified range.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:RapBackDateRange/	ebts:StartDate	1	1	Start Date for Rap Back subscription expiration date search.	2013-01-01
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:RapBackDateRange/	ebts:EndDate	1	1	End Date for Rap Back subscription expiration date search.	2015-12-31
2.2069	RBTED	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:TransactionRapBackTriggeringEvent	0	10	Detailed information of event that triggered a Rap Back Notification (RBN).	
2.2069-A	DORBE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:TransactionRapBackTriggeringEvent/	ebts:RapBackEventDate	1	1	Date that the Rap Back Triggering Event occurred.	2013-03-29
2.2069-B	RBT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:TransactionRapBackTriggeringEvent/	ebts:RapBackTriggeringEventCode	0	1	Code identifying the type of Rap Back Triggering Event.	7
2.2069-C	RBEI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:TransactionRapBackTriggeringEvent/	ebts:RapBackEventText	0	1	Information about a Rap Back Triggering Event.	NCIC WANTED PERSON ENTRY FROM ORI - NY0303000: NIC/12345, DATE OF WARRANT 20140511
2.2070	RBATN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackAttentionText	0	1	Subscriber-designated individual or Section to whose attention any inquiry or notification on a Rap Back Subscription should be directed within the Subscribing Entity, and a 24/7 contact number.	DET J Q PU BLIC
2.2071	RBST	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackSubscriptionTerm	0	1	This field is an optional field as there are currently no fees associated with Rap Back Services. If fees were to be reinstated this would then be used to indicate the Length of the Term of a Rap Back Subscription.	5
2.2072	POC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordPointOfContact	0	1	A 24/7 Point of contact for the biometric/identity enrolled in the RISC or SPC file.	
2.2072-A	NAM	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordPointOfContact/	ebts:PointOfContactName	1	1	A name of a contact organization or person.	Agency Call Center
2.2072-B	PHONE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordPointOfContact/	nc:TelephoneNumberFullID	1	1	Contact Telephone Number.	555-123-1234

2.2073	BIL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:BiometricImageList	0	1	Added to the SRB to provide capture dates for all facial and SMT photos for each subject in the candidate list. This repeating set of data elements provides the identifiers necessary to retrieve this additional imagery via IRQ. This field is only populated for a facial investigative search; it is not populated for text based searches.	
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:BiometricImageList/	ebts:CandidateImage	1	1000	Identifiers to retrieve facial and SMT photos for a subject in the candidate list.	
2.2073-A	SI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:BiometricImageList/ ebts:CandidateImage/	j:PersonFBIIdentification/ nc:IdentificationID	1	1	Subject identifier of the candidate.	62760NY12
2.2073-B	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:BiometricImageList/ ebts:CandidateImage/	ebts:BiometricSetID	1	1	Unique identifier of the available image.	1234567
2.2073-C	BCD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:BiometricImageList/ ebts:CandidateImage/	ebts:CaptureDate	1	1	Capture date of the available image.	2014-03-04
2.2073-D	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:BiometricImageList/ ebts:CandidateImage/	ebts:RecordBiometricImageCategoryCode	1	1	Image type of the available image.	FP
2.2100	SED	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/	ebts:EndDate	0	1	End date for the subject's indicated custody or supervisory status.	2012-11-30
2.2101	SST	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/ ebts:SupervisionStatus/	ebts:SupervisionStatusCode	0	8	Type of supervised release for a Subject for a particular Arrest.	BLS
2.2102	RSC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/	ebts:SupervisedReleaseRevocationReasonText	0	1	A reason the supervised release is cancelled for a Subject for a particular Arrest.	This free-text field is used to indicate the reason a supervised release is cancelled.
		itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/				Indicates that a Supervisory Agency who has an active supervised notification request attached to the Identity History wishes to transfer	

2.2103	STT	ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/	ebts:SupervisionReceivingOrganizationID	0	1	supervision of the offender to another supervisory agency; shall contain the ORI for the agency to which supervision is being transferred.	WI013415Y
2.2104	SRA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/	ebts:SupervisedReleaseActionCode	0	1	A Code used by the contributor to indicate the type of action desired when submitting a Supervised Release Notification Request (SRNR).	CAS
2.2105	FI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:ForeignInformationText	0	900	This field contains descriptive data related to the collection of the fingerprint capture for the FIDR TOT. The field may contain alphanumeric and special characters with a limit of 300 characters.	CAPTURED DURING RAID
--------	--------	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/	ebts:StateDefinedFields	0	∞	An element to allow for the representation of State-specific data not otherwise required by the FBI.	
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageLegacyFingerprintImageRecord	0	280	Conveys fingerprint images captured by an Automated Fingerprint Identification System (AFIS) live-scan reader, or other image capture devices operating at a nominal scanning resolution of 500 pixels per inch (ppi).	
4.002	IDC	itl:PackageLegacyFingerprintImageRecord/	biom:ImageReferenceID	1	1	IDC assigned in 1.003-D to this Type-4 record.	1
4.003	IMP	itl:PackageLegacyFingerprintImageRecord/ itl:FingerprintLegacyImageData/	biom:FingerprintLegacyImageImpressionCaptureCategoryCode	1	1	Manner by which fingerprint was obtained.	3
4.004	FGP	itl:PackageLegacyFingerprintImageRecord/ itl:FingerprintLegacyImageData/	biom:LegacyExemplarFingerPositionCode	1	6	Finger position of the included image.	12
4.005	ISR	itl:PackageLegacyFingerprintImageRecord/ itl:FingerprintLegacyImageData/	biom:ScanningResolutionCategoryCode	1	1	Scanning resolution of the image.	1
4.006	HLL	itl:PackageLegacyFingerprintImageRecord/ itl:FingerprintLegacyImageData/	biom:ImageHorizontalLineLengthPixelQuantity	1	1	Number of pixels contained on a single horizontal line of the image.	80
4.007	VLL	itl:PackageLegacyFingerprintImageRecord/ itl:FingerprintLegacyImageData/	biom:ImageVerticalLineLengthPixelQuantity	1	1	Number of pixels contained on a single vertical line of the image.	65
4.008	CGA	itl:PackageLegacyFingerprintImageRecord/ itl:FingerprintLegacyImageData/	itl:LegacyImageCompressionAlgorithmCode	1	1	Type of compression algorithm used.	2
4.009	DATA	itl:PackageLegacyFingerprintImageRecord/ itl:FingerprintLegacyImageData/	nc:Base64BinaryObject	1	1	Fingerprint image.	mrHbPdrko3u1s7a htgPBjtmO1s85tfG 2U7bpofY94Czu2 SbY7d7wF9fQ7Zp tgGrtkO2a2dsJ7wZ be8BlzvAmQ7xq+ Y94GoHeEsR3ik Wd4DIGhzmp3k4 2d4DRmzs94DKve DTB3hqw6PeBLrt pPep0H/+h
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageUserDefinedImageRecord	0	20	User-defined image information relating to the transaction submitted for processing.	
7.002	IDC	itl:PackageUserDefinedImageRecord/	biom:ImageReferenceID	1	1	IDC assigned in 1.003-D to this Type-7 record.	2
7.003	IMP	itl:PackageUserDefinedImageRecord/ itl:FingerprintLegacyImageData/	biom:FingerprintLegacyImageImpressionCaptureCategoryCode	1	1	A kind of impression capture by which a fingerprint image information was obtained.	3
7.004	FGP	itl:PackageUserDefinedImageRecord/ itl:FingerprintLegacyImageData/	biom:LegacyExemplarFingerPositionCode	1	6	Finger position code for the fingerprint image.	2
		itl:PackageUserDefinedImageRecord/				Resolution of the scanned and	

7.005	ISR	itl:FingerprintLegacyImageData/	biom:ScanningResolutionCategoryCode	1	1	transmitted image.		1
7.006	HLL	itl:PackageUserDefinedImageRecord/ itl:FingerprintLegacyImageData/	biom:ImageHorizontalLineLengthPixelQuantity	1	1	Number of pixels contained on a single horizontal line of the image.		80
7.007	VLL	itl:PackageUserDefinedImageRecord/ itl:FingerprintLegacyImageData/	biom:ImageVerticalLineLengthPixelQuantity	1	1	Number of pixels contained on a single horizontal line of the image.		65
7.008	GCA	itl:PackageUserDefinedImageRecord/ itl:FingerprintLegacyImageData/	itl:LegacyImageCompressionAlgorithmCode	1	1	Image compression algorithm used for the image.		2
7.009	IMG	itl:PackageUserDefinedImageRecord/ itl:FingerprintLegacyImageData/	nc:Base64BinaryObject	1	1	Binary field with the image.		
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageMinutiaeRecord	0	70	Minutiae and related information encoded from a finger, palm, or plantar image.		
9.002	IDC	itl:PackageMinutiaeRecord/	biom:ImageReferenceID	1	1	IDC assigned in 1.003-D to this Type-9 record.		3
9.003	IMP	itl:PackageMinutiaeRecord/	biom:FrictionRidgeImageImpressionCaptureCategoryCode	1	1	Manner by which friction ridge was obtained.		10
EFS *Preferred Minutiae Representation*	--------	itl:PackageMinutiaeRecord/	biom:ExtendedFeatureSetMinutiae	1	∞	Type-9 fields for the Extended Feature Set (EFS). The EFS specification defines a quantifiable, repeatable, and clear method of characterizing the information content of a fingerprint or other friction ridge image.		
9.300	ROI	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FrictionRidgeImageRegionOfInterest	0	1	Rectangle or a polygon that bounds the area of the original image containing a single friction ridge impression, and separates it from the background and any other friction ridge data present in the image.		
9.300-A	*EWI*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/	biom:ImageSegmentWidthMeasure	1	1	Width of region of interest in units of 10 micrometers (0.01 mm).		50000
9.300-B	*EHI*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/	biom:ImageSegmentHeightMeasure	1	1	Height of region of interest in units of 10 micrometers (0.01 mm).		50000
9.300-C	*EHO*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/	biom:ImageSegmentHorizontalOffsetMeasure	0	1	Horizontal distance in units of 10 micrometers from left edge of image to left edge of region of interest.		35478
9.300-D	*EVO*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/	biom:ImageSegmentVerticalOffsetMeasure	0	1	Vertical distance in units of 10 micrometers from top edge of image to top edge of region of interest.		35478
9.300-E	*ROP*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/	biom:ImageSegmentPolygon	0	1	Polygon that further defines the friction ridge area.		
--------	--------	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/ biom:ImageSegmentPolygon/	biom:PositionPolygonVertex	3	99	Polygon that further defines the friction ridge area.		
--------	--------	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/ biom:ImageSegmentPolygon/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	1	1	Polygon that further defines the friction ridge area.		130
--------	--------	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/ biom:ImageSegmentPolygon/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	1	1	Polygon that further defines the friction ridge area.		275
9.301	ORT	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FingerprintImageFingerprintOrientation	0	1	Orientation and direction uncertainty of EFS region of interest.		

9.301-A	EOD	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FingerprintImageFingerprintOrientation/	biom:OrientationAngleValue	1	1	Deviation of region of interest from upright (fingertip up) in integer degrees.	2
9.301-B	EUC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FingerprintImageFingerprintOrientation/	biom:OrientationAngleUncertaintyValue	0	1	Uncertainty of orientation direction in integer degrees. If orientation cannot be determined, the uncertainty value shall be set to 180.	180
9.302	FPP	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeFrictionRidgeLocation	0	20	Physical position(s) that correspond to the EFS region of interest.	
9.302-A	FGP	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/	biom:LatentFrictionRidgePositionCode	1	1	Finger position code.	17
9.302-B	FSM	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/	biom:SegmentLocationCode	0	1	Finger segment; only applies to fingerprints in which all or part of the medial or proximal segments (lower joints) are present in the image.	DST
9.302-C	OCF	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/	biom:FingerprintOffCenterCode	0	1	Off-center position (tip, right or left side) of fingerprint image.	R
9.302-D	SGP	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/	biom:ImageSegmentPolygon	0	1	Closed path polygon that delineates the area that corresponds to the specified position/segment.	
--------	--------	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/ biom:ImageSegmentPolygon/	biom:PositionPolygonVertex	3	99	Closed path polygon that delineates the area that corresponds to the specified position/segment.	
--------	--------	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/ biom:ImageSegmentPolygon/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	1	1	Closed path polygon that delineates the area that corresponds to the specified position/segment.	2130
--------	--------	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/ biom:ImageSegmentPolygon/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	1	1	Closed path polygon that delineates the area that corresponds to the specified position/segment.	6
9.303	FSP	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:ExtendedFeatureSetProfileCode	0	9	Code for EFS Profile, which defines the specific set of EFS fields incorporated in an ANSI/NIST-ITL transaction.	11
9.307	PAT	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FingerprintPatternClassification	0	7	EFS fingerprint classification information for image.	
9.307-A	GCF	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FingerprintPatternClassification/	biom:FingerprintPatternGeneralClassCode	1	1	General pattern classification (arch, whorl, left, or right loop).	SR
9.307-B	SUB	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FingerprintPatternClassification/	biom:FingerprintPatternSubClassCode	0	1	Sub-classification of arch/whorl.	PW
9.307-C	WDR	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FingerprintPatternClassification/	biom:FingerprintPatternWhorlDeltaRelationshipCode	0	1	Whorl-delta relationship.	M
9.316	FQM	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:ImageQuality	0	9	Specifies one or more different metrics of EFS friction ridge quality for image.	
9.316-A	QVU	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:ImageQuality/	biom:QualityValue	1	1	Quantitative expression of predicted matching performance of biometric sample. This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality.	100
						ID of the vendor of the quality	

9.316-B	QAV	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:ImageQuality/	biom:QualityAlgorithmVendorID	1	1	algorithm used to calculate the quality score. This value is assigned by IBIA, which maintains the Vendor Registry of CBEFF Biometric Organizations that map the value in this field to a registered organization. FFF0
9.316-C	QAP	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:ImageQuality/	biom:QualityAlgorithmProductID	1	1	Numeric product code assigned by the vendor of the quality algorithm (may be registered with the IBIA, but registration is not required). 28495
9.320	COR	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeCore	0	∞	EFS core information. When no cores are present, this field shall not be used.
9.320-A	CXC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeCore/ biom:ImageFeatureVertex/	biom:PositionHorizontalCoordinateValue	1	1	X coordinate of core (integer units of 10 micrometers). 4970
9.320-B	CYC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeCore/ biom:ImageFeatureVertex/	biom:PositionVerticalCoordinateValue	1	1	Y coordinate of core (integer units of 10 micrometers). 4970
9.320-C	CDI	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeCore/	biom:MinutiaeCoreDirectionMeasure	0	1	Average tangent direction of two closest friction ridges. The direction shall be omitted for circular whorls, or if the direction is unknown. 110
9.320-D	RPU	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeCore/	biom:ImageLocationUncertaintyRadiusMeasure	0	1	Radius of a circle sized to include the area of possible locations of the core; used if the precise location cannot be determined (such as due to poor clarity). If the core location is known precisely, the radius of position uncertainty may be omitted or set to 0. 80
9.320-E	DUY	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeCore/	biom:MinutiaeCoreDirectionUncertaintyValue	0	1	Uncertainty of direction of the core ("0" = indicates certain direction; "180" = unknown orientation). 75
9.321	DEL	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeDelta	0	∞	EFS delta information.
9.321-A	DXC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/ biom:ImageFeatureVertex/	biom:PositionHorizontalCoordinateValue	1	1	X coordinate of delta (units of 10 micrometers).
9.321-B	DYC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/ biom:ImageFeatureVertex/	biom:PositionVerticalCoordinateValue	1	1	Y coordinate of delta (units of 10 micrometers). 49700
9.321-C	DUP	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionUpMeasure	0	1	Direction up of delta in degrees from right (degrees counterclockwise from the right). 49700
9.321-D	DLF	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionLeftMeasure	0	1	Direction left of delta in degrees from right (degrees counterclockwise from the right). 100
9.321-E	DRT	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionRightMeasure	0	1	Direction right of delta in degrees from right (degrees counterclockwise from the right). 100
9.321-F	DTP	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaCategoryCode	0	1	Type of delta. UP
9.321-G	RPU	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:ImageLocationUncertaintyRadiusMeasure	0	1	Radius of a circle sized to include the area of possible locations of the delta; used if the precise location cannot be determined (such as due to poor clarity). If the delta location is known precisely, 180

						the radius of position uncertainty may be omitted or set to 0.	
9.321-H	DUU	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionUpUncertaintyValue	0	1	Uncertainty of the up delta angle ("0" = indicates certain direction; "180" = unknown orientation).	180
9.321-I	DUL	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionLeftUncertaintyValue	0	1	Uncertainty of the left delta angle ("0" = indicates certain direction; "180" = unknown orientation).	180
9.321-J	DUR	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionRightUncertaintyValue	0	1	Uncertainty of the right delta angle ("0" = indicates certain direction; "180" = unknown orientation).	180
9.331	MIN	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:EFSMinutia	0	999	Characteristics of all EFS minutiae in the region of interest.	
9.331-A	MXC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/ biom:ImageFeatureVertex/	biom:PositionHorizontalCoordinateValue	1	1	X coordinate of minutia (units of 10 micrometers).	2500
9.331-B	MYC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/ biom:ImageFeatureVertex/	biom:PositionVerticalCoordinateValue	1	1	Y coordinate of minutia (units of 10 micrometers).	2500
9.331-C	MTD	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/	biom:ImageLocationThetaAngleMeasure	1	1	Direction (angle) of minutiae.	101
9.331-D	MTY	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/	biom:MinutiaCategoryCode	1	1	Type of minutia.	E
9.331-E	MRU	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/	biom:ImageLocationUncertaintyRadiusMeasure	0	1	Radius of a circle defining the location (X,Y) of the minutia.	120
9.331-F	MDU	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/	biom:MinutiaDirectionUncertaintyValue	0	1	Direction uncertainty of minutia.	120
9.350	MFD	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeFeatureDetection	0	99	Method(s) by which EFS features were detected and/or edited. Each time fields are created or modified, the date and name of the automated algorithm or human examiner is noted in a new data entry repeating subfield).	
9.350-A	FIE	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeFeatureDetectionFieldListText	1	1	Fields which correspond to method noted.	
9.350-B	FME	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeFeatureDetectionMethodCode	1	1	Method by which fingerprint features were detected and encoded.	EDIT
9.350-C	FAV	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeAlgorithmVendorID	0	1	Vendor of encoding algorithm.	
9.350-D	FAL	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeAlgorithmID	0	1	Algorithm name and version.	
--------	--------	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeExaminerName	0	1	Minutiae examiner name.	
9.350-E	ESN	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/ biom:MinutiaeExaminerName/	nc:PersonSurName	0	1	Last name of fingerprint examiner.	Smith
		itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/				Given name or first and middle names	

9.350-F	EGN	biom:MinutiaeFeatureDetection/ biom:MinutiaeExaminerName/	nc:PersonGivenName	0	1	of fingerprint examiner.	John
9.350-G	EAF	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	nc:OrganizationName	0	1	Employer or organizational affiliation of examiner.	FBI
9.350-H	EMT	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeFeatureDetectionDateTime	0	1	Date and time determination was made.	2007-01-01T00:00:01Z
9.350-I	NTS	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeCommentText	0	1	Additional information regarding the detection or modification of features.	
9.351	COM	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeCommentText	0	1	Additional information not noted in other fields. This may include unformatted text information such as location, background information, or descriptive information. If comments need to be made about specific portions of the impression, use Field 9.324 or Field 9.332.	Comment
9.361	CPF	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeFeatureCorrespondence	0	∞	EFS points and features for corresponding areas.	
9.361-A	COL	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:FeatureLabelID	1	1	Alphanumeric label used to indicate corresponding features and points in different Type-9 records. The label names may be selected and assigned at the discretion of the system or the examiner.	3
9.361-B	TOC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:MinutiaeFeatureCorrespondenceCategoryCode	1	1	Code indicating the type of correspondence or non-correspondence.	R
9.361-C	CFN	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:MinutiaeFeatureCategoryCode	0	1	Field number being compared.	331
9.361-D	FOC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:CorrespondingSubfieldID	0	1	Occurrence of the specified field that the label applies to. Occurrences are numbered starting with 1.	11
9.361-E	CXC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/ biom:ImageFeatureVertex/	biom:PositionHorizontalCoordinateValue	0	1	X coordinate of feature/point (units of 10 micrometers).	9880
9.361-F	CYC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/ biom:ImageFeatureVertex/	biom:PositionVerticalCoordinateValue	0	1	Y coordinate of feature/point (units of 10 micrometers).	9880
9.361-G	COC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:MinutiaeCommentText	0	1	Text comment or description related to the corresponding features and points.	
9.363	RRC	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FrictionRidgeImageRelativeRotation	0	∞	Relative overall rotation needed for two or more prints to be compared. The number of subfields is limited only by the number of Type-9 records in a transaction.	
9.363-A	RIR	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRelativeRotation/	biom:ImageReferenceID	1	1	IDC for the Type-9 record associated with target image / Type-9 record for a given RRC.	2
9.363-B	ROR	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRelativeRotation/	biom:ImageRelativeOverallRotationValue	1	1	Number of degrees the target image and/or features referenced by 9.363-A must be rotated to correspond with the designated Type-9 record. Positive numbers indicate degrees	101

							counterclockwise; negative numbers indicate degrees clockwise.	
9.901	ULA	itl:PackageMinutiaeRecord/	biom:MinutiaeUniversalLatentWorkstationAnnotationText	0	∞	Stores annotation, logging, or processing information associated with the FBI-developed Universal Latent Workstation (ULW) or compatible software.	3/27/2010 7:21:47 PM - Image cropped; offset = (90, 107) pixels; size = (1003, 1029) pixels
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackagePhotographicBodyPartImageRecord	0	50	Face, SMT, and/or other body part image data and related information pertaining to the specific image contained in this record.	
10.002	IDC	itl:PackagePhotographicBodyPartImageRecord/	biom:ImageReferenceID	1	1	IDC assigned to this Type-10 record as listed in field 1.003.	4
--------	--------	itl:PackagePhotographicBodyPartImageRecord/	biom:FaceImage OR biom:PhysicalFeatureImage	1	1	Image and associated information.	
10.003	IMT	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:ImageCategoryCode	1	1	Type of image contained in the record.	FACE
--------	--------	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail	biom:CaptureOrganization	0	1	Identifier of agency that created record and supplied information contained in it.	
10.004	SRC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ nc:OrganizationIdentification OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ nc:OrganizationIdentification	nc:IdentificationID	1	1	Identifier of agency that created and supplied information contained in the record. The source agency name may be entered in 10.993.	WI013415Y
10.005	PHD	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail/ biom:CaptureDate OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureDate	nc:Date	0	1	The date that the image contained in the record was captured.	2007-01-01
10.006	HLL	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:HorizontalLineLengthPixelQuantity	1	1	Number of pixels contained on a single horizontal line of the image.	80
10.007	VLL	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:VerticalLineLengthPixelQuantity	1	1	Number of pixels contained on a single vertical line of the image.	65
10.008	SLC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:ImageScaleUnitsCode	1	1	Image sampling frequency (pixel density).	2
10.009	THPS	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:ImageHorizontalPixelDensityValue	1	1	Integer pixel density in the horizontal direction (if 10/SLC = 1 or 2); otherwise, if 10/SLC = 0, the horizontal component of the pixel aspect ratio.	1000
		itl:PackagePhotographicBodyPartImageRecord/				Integer pixel density in the vertical	

10.010	TVPS	biom:FaceImage **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:ImageVerticalPixelDensityValue	1	1	direction (if 10/SLC = 1 or 2); otherwise, if 10/SLC = 0, the vertical component of the pixel aspect ratio.	1000
10.011	CGA	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:ImageCompressionAlgorithmCode	0	1	Compression algorithm for image	2
10.012	CSP	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:ImageColorSpaceCode	1	1	Image color space, e. g., grayscale or undetermined color space for an RGB image.	GRAY
10.013	SAP	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageAcquisitionProfileCode	0	1	Set of characteristics concerning the capture of the face sample.	13
10.014	FIP	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageBoundingSquare	0	1	Defines a region containing the face of the subject within a larger image (indicates face of interest among an image with multiple faces or a cropped portion of a single facial image) . This is an alternative approach to the bounding box in Field 10.015.	
10.014-A	LHC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageBoundingSquare/	biom:SegmentLeftHorizontalCoordinateValue	1	1	Left horizontal offset of the bounding box relative to the origin in the upper left hand corner of the image (in pixel counts across).	48255
10.014-B	RHC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageBoundingSquare/	biom:SegmentRightHorizontalCoordinateValue	1	1	Right horizontal offset of the bounding box relative to the origin in the upper left hand corner of the image (in pixel counts across).	49244
10.014-C	TVC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageBoundingSquare/	biom:SegmentTopVerticalCoordinateValue	1	1	Top vertical offset of the bounding box relative to the origin in the upper left hand corner of the image (in pixel counts down).	48255
10.014-D	BVC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageBoundingSquare/	biom:SegmentBottomVerticalCoordinateValue	1	1	Bottom vertical offset of the bounding box relative to the origin in the upper left hand corner of the image (in pixel counts down).	49244
10.014-E	BBC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageBoundingSquare/	biom:FaceImageBoundingCategoryCode	0	1	Indicates contents of the bounding box.	H
10.015	FPFI	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageBoundary	0	1	Defines a region containing the face of the subject within a larger image (indicates face of interest among an image with multiple faces or a cropped portion of a single facial image) . This field is an alternative approach to the bounding box described in Field 10.014.	
10.015-A	BYC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageBoundary/	biom:FaceImageBoundaryShapeCode	1	1	Defines the polygon as either a circle, ellipse, or polygon.	P
10.015-B	NOP	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageBoundary/	biom:PositionPolygonVertexQuantity	1	1	Number of polygon vertices/coordinate pairs.	4
--------	--------	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageBoundary/	biom:PositionPolygonVertex	2	99	Coordinates of vertices.	
10.015-C	HPO	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageBoundary/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	1	1	Pixel count to the right of upper left pixel (x coordinate).	100
		itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/				Pixel count down from upper left pixel	

10.015-D	VPO	biom:FaceImageBoundary/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	1	1	(y coordinate).	15
10.016	SHPS	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail	biom:CaptureHorizontalPixelDensityValue	0	1	Horizontal pixel density used for scanning the original image/impression or horizontal component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
10.017	SVPS	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail	biom:CaptureVerticalPixelDensityValue	0	1	Vertical pixel density used for scanning the original image/impression or vertical component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
10.018	DIST	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:ImageDistortion	0	1	Type of distortion, whether it is estimated or calculated, and its relative severity.	
10.018-A	IDK	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageDistortion **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageDistortion	biom:ImageDistortionCategoryCode	1	1	Distortion code.	Barrel
10.018-B	IDM	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageDistortion **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageDistortion	biom:ImageDistortionMeasurementCode	1	1	Code indicating if distortion is estimated or calculated.	E
10.018-C	DSC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageDistortion **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageDistortion	biom:ImageDistortionSeverityCode	1	1	Code indicating severity of distortion.	Moderate
10.019	LAF	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageLightingArtifactsCode	0	3	Type of lighting artifacts found in the Type-10 image record.	F
10.020	POS	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageSubjectPoseCode	0	1	Code describing pose of subject in a facial image.	F
10.021	POA	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImagePoseOffsetAngleMeasure	0	1	Specifies pose direction of the subject to the nearest degree. A positive angle is used to express the angular offset as the subject rotates from a full-face pose to their left (approaching a right profile).	40
10.022	PXS	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageAttribute	0	9	Describes special attributes of the captured facial image. This optional ASCII field, retained for legacy systems, is used for the exchange of facial image data. Reference ANSI/NIST-ITL 2007 and 2008 for more details.	
10.022-A	PIC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageAttribute/	biom:FaceImageAttributeCode	1	1	Attribute(s) associated with the facial image.	PHYSICAL
10.022-B	PIT	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageAttribute/	biom:FaceImageAttributeText	0	1	Characteristic as listed in the Ninth (or current) Edition of the NCIC Code Manual, December, 2000 (for "PHYSICAL") or unformatted text used to describe the attribute (for "OTHER"). This information item is only to be used	CRIP L ARM

						if "PHYSICAL" or "OTHER" is listed as the attribute code.	
10.023	PAS	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageAcquisitionSource	0	1	Specifies the classification of the source of the image in this record.	
10.023-A	PAC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageAcquisitionSource/	biom:FaceImageAcquisitionCode	1	1	An attribute code to describe the source of captured image data.	DIGITAL VIDEO
10.023-B	VSD	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageAcquisitionSource/	biom:AcquisitionSourceDescriptionText	0	1	Describes vendor-specific source of the captured image or unlisted/miscellaneous source attributes for the facial image.	Comment
10.024	SQS	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:ImageQuality	0	9	Quality score data for facial images.	
10.024-A	QVU	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageQuality OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageQuality	biom:QualityValue	1	1	Quantitative expression of predicted matching performance of biometric sample. This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality.	100
10.024-B	QAV	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageQuality OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageQuality	biom:QualityAlgorithmVendorID	1	1	ID of the vendor of the quality algorithm used to calculate the quality score. This value is assigned by IBIA, which maintains the Vendor Registry of CBEFF Biometric Organizations that map the value in this field to a registered organization.	AF88
10.024-C	QAP	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageQuality OR itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageQuality	biom:QualityAlgorithmProductID	1	1	Numeric product code assigned by the vendor of the quality algorithm (may be registered with the IBIA, but registration is not required).	28495
10.025	SPA	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImage3DPoseAngle	0	1	3D subject pose angles for the same subject of a facial image.	
10.025-A	YAW	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DPoseAngle/	biom:PoseYawAngleMeasure	1	1	Rotation about the vertical Y axis.	5
10.025-B	PIT	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DPoseAngle/	biom:PosePitchAngleMeasure	1	1	Rotation about the horizontal X axis.	5
10.025-C	ROL	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DPoseAngle/	biom:PoseRollAngleMeasure	1	1	Rotation about the Z axis.	5
10.025-D	YAWU	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DPoseAngle/	biom:PoseYawUncertaintyValue	0	1	Uncertainty in degrees for yaw angle.	5
10.025-E	PITU	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DPoseAngle/	biom:PosePitchUncertaintyValue	0	1	Uncertainty in degrees for pitch angle.	5
10.025-F	ROLU	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DPoseAngle/	biom:PoseRollUncertaintyValue	0	1	Uncertainty in degrees for roll angle.	5
10.026	SXS	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageDescriptionCode OR biom:PhysicalFeatureNCICCode OR biom:FaceImageDescriptionText	0	50	Describes attributes associated with the subject's facial image.	BEARD
10.027	SEC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	ebts:PersonEyeColorCode	0	1	Describes eye color of subject as seen in the photograph.	BLK

10.028	SHC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:HairColorCode	0	2	Code describing the hair color of subject as seen in the photograph.	BRO
10.029	FFP	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImage2DFeaturePoint	0	88	Describes special attributes of manually or automatically detected facial feature points of the captured facial image.	
10.029-A	FPT	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage2DFeaturePoint/	biom:FeaturePointCategoryCode	1	1	Code specifying type of facial feature point.	2
10.029-B	FPC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage2DFeaturePoint/	biom:FeaturePointID	1	1	Feature point ID.	2.11
10.029-C	HCX	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage2DFeaturePoint/	biom:FeaturePointHorizontalCoordinateValue	1	1	Pixel count horizontally to the right from the upper left pixel.	6233
10.029-D	HCY	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage2DFeaturePoint/	biom:FeaturePointVerticalCoordinateValue	1	1	Pixel count vertically down from the upper left pixel.	6233
10.030	DMM	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail	biom:CaptureDeviceMonitoringModeCode	0	1	Level of human monitoring associated with biometric sample capture.	ASSISTED
10.031	TMC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageFeaturePointTierCode **OR** biom:FaceImageFeaturePointTierNumeric	0	1	Code that specifies facial feature points to be contained in 10.029. If 10/TMC =5, it defines the contours contained in 10/FEC.	3
10.032	3DF	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImage3DFeaturePoint	0	88	Describes special attributes of manually or automatically detected facial feature points of the captured facial image.	
10.032-A	FPT	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DFeaturePoint/	biom:FeaturePointCategoryCode	1	1	Code specifying type of facial feature point.	2
10.032-B	FPC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DFeaturePoint/	biom:FeaturePointID	1	1	Feature point ID.	2.11
10.032-C	HCX	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DFeaturePoint/	biom:FeaturePointHorizontalCoordinateValue	1	1	Pixel count horizontally to the right from the upper left pixel.	6233
10.032-D	HCY	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DFeaturePoint/	biom:FeaturePointVerticalCoordinateValue	1	1	Pixel count vertically down from the upper left pixel.	6233
10.032-E	HCZ	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImage3DFeaturePoint/	biom:FeaturePointZCoordinateValue	1	1	Pixel count from the X-Y plane.	6233
10.033	FEC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageContour	0	12	Describes specific contour on the face.	
10.033-A	FCC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageContour/	biom:FaceImageContourCategoryCode	1	1	Code describing feature contour.	eyebottom
10.033-B	NOP	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageContour/	biom:PositionPolygonVertexQuantity	1	1	Defines the polygon as either a circle, ellipse, or polygon.	3
--------	--------	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageContour/	biom:PositionPolygonVertex	3	99	Number of polygon vertices/coordinate pairs.	
10.033-C	HPO	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageContour/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	1	1	Pixel count to the right of upper left pixel (x coordinate).	100

10.033-D	VPO	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageContour/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	1	1	Pixel count down from upper left pixel (y coordinate).	15
10.038	COM	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:ImageCommentText	0	1	Free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose.	Comment
10.039	T10	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:Type10CrossReferenceID	0	1	Number that designates several images that cover the same SMT or portions of it. This field shall only be present if multiple Type-10 records in the transaction contain the same SMT or body part.	2
10.040	SMT	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/	biom:PhysicalFeatureNCICCode	0	3	NCIC designation code for a scar, mark, or tattoo present on the subject.	TAT L ARM
10.041	SMS	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/	biom:PhysicalFeatureSize	0	1	Dimensions, to the nearest centimeter, of the portion of image contained in this record (it may be the entire scar, mark, tattoo, injury or identifying characteristic).	
10.041-A	HGT	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureSize/	biom:PhysicalFeatureHeightMeasure	1	1	Height, in cm, of portion of image.	5
10.041-B	WID	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureSize/	biom:PhysicalFeatureWidthMeasure	1	1	Width, in cm, of portion of image.	5
10.042 and 10.043	SMD and COL	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/	biom:PhysicalFeatureDescriptionDetail	0	9	Color of tattoo or tattoo part.	
10.042-A	SMI	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureCategoryCode	1	1	Type of SMT.	CHEMICAL
10.042-B	TAC	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureClassCode	0	1	Tattoo general class code. This information item does not apply to scars and marks.	OBJECT
10.042-C	TSC	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureSubClassCode	0	1	Tattoo subclass code. This information item does not apply to scars and marks.	ANKLET
10.042-D	TDS	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureDescriptionText	0	1	Text string that provides additional qualifiers to describe the image or portion of the image. This information item does not apply to scars and marks.	
10.043	COL	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureColorDetail	0	1	Color of tattoo described in field 10.042 SMD.	
10.043-A	TC1	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/ biom:PhysicalFeatureColorDetail/	biom:PhysicalFeaturePrimaryColorCode	1	1	Tattoo color code 1 (predominant color of the tattoo).	BLACK
10.043-B 10.043-C 10.043-D 10.043-E 10.043-F	TC2 TC3 TC4 TC5 TC6	itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/ biom:PhysicalFeatureColorDetail/	biom:PhysicalFeatureSecondaryColorCode	0	5	Secondary tattoo color code(s). Repeat this element as necessary to represent TC2, TC3, TC4, TC5 and TC6.	BLUE
10.044	ITX	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	biom:ImageTransformationCode	0	18	Transformation description when the image in the Type-10 record has been modified from the original image. The untransformed image(s) may optionally be included in a Type-20 record.	CROP

10.045	OCC	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/	biom:FaceImageOcclusion	0	16	Defines the outline and contents of any obstructions that partially or totally block the facial image.	
10.045-A	*OCY*	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageOcclusion/	biom:FaceImageOcclusionOpacityCode	1	1	Occlusion opacity.	L
10.045-B	*OCT*	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageOcclusion/	biom:FaceImageOcclusionCategoryCode	1	1	Occlusion type.	S
10.045-C	*NOP*	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageOcclusion/	biom:PositionPolygonVertexQuantity	1	1	Number of vertices for the occlusion polygon.	3
--------	--------	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageOcclusion/	biom:PositionPolygonVertex	3	99	Number of polygon vertices/coordinate pairs.	
10.045-D	*HPO*	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageOcclusion/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	1	1	Pixel count to the right (x coordinate).	100
10.045-E	*VPO*	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:FaceImageOcclusion/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	1	1	Pixel count down from the origin (y coordinate).	15
10.350	BNO	itl:PackagePhotographicBodyPartImageRecord/ ebts:Type10UserDefinedFields/	ebts:BiometricNCICOffenseCode	0	1	Lists the justifying NCIC Offense Code for images to be enrolled in the Unsolved Photo File (UPF)	
10.902	ANN	itl:PackagePhotographicBodyPartImageRecord/	biom:ProcessAnnotation	0	∞	Lists the operations performed on the original image source.	
10.902-A	*GMT*	itl:PackagePhotographicBodyPartImageRecord/ biom:ProcessAnnotation/ biom:ProcessUTCDate/	nc:ZuluDateTime	1	1	Date and time when processing occurred.	2011-11-05T05:25:00Z
10.902-B	*NAV*	itl:PackagePhotographicBodyPartImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	1	1	Name and version of processing algorithm or workstation.	Process name, v2.0
10.902-C	*OWN*	itl:PackagePhotographicBodyPartImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	1	1	Organization that developed and/or maintains the processing algorithm, application, or latent workstation.	Process owner
10.902-D	*PRO*	itl:PackagePhotographicBodyPartImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	1	1	A description of a biometric process or procedure applied to the sample in this Type-10 record.	A process description
10.903 *and* 10.904	--------	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail/ biom:CaptureDevice **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureDevice	0	1	A set of information regarding the capture device	
10.903	DUI	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail/ biom:CaptureDevice **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceID	0	1	A string uniquely identifying the device or source of the data. This field shall be: 1) Host MAC address (up to 13 characters), identified by the first character "M", or 2) Host processor ID (up to 16 characters), identified by the first character "P".	P270NEIS67830000
10.904-A	*MAK*	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail/ biom:CaptureDevice **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:DeviceMakeText	0	1	Make ("0" = information is unknown).	RGT88

		biom:CaptureDevice					
10.904-B	MOD	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail/ biom:CaptureDevice **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceModelText	0	1	Model ("0" = information is unknown).	PEARL
10.904-C	SER	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail/ biom:CaptureDevice **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceSerialNumberText	0	1	Serial number ("0" = information is unknown).	283859002939578 4-4
10.993	SAN	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization	nc:OrganizationName	0	1	Name of agency referenced in Field 10.004: Source agency/SRC.	AGENCY NAME
10.995	ASC	itl:PackagePhotographicBodyPartImageRecord/	biom:AssociatedContext	0	255	Used for record types that have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data.	
10.995-A	ACN	itl:PackagePhotographicBodyPartImageRecord/ biom:AssociatedContext/	biom:ContextID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021.	1
10.995-B	ASP	itl:PackagePhotographicBodyPartImageRecord/ biom:AssociatedContext/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the associated context data. This same segmentation index value appears in Record Type-21 as Field 21.016. There may be up to 99 segments listed in Field 21.016, but only the relevant segment is contained in this information item.	99
10.996	HAS	itl:PackagePhotographicBodyPartImageRecord/	biom:ImageHashValue	0	1	Hash value of data in 10.999: Body part image/DATA.	5108B86727517A0 2D8A28AEC62E6 7E05F9AE7E8913 A773641D486841 FDE8F941
10.997	SOR	itl:PackagePhotographicBodyPartImageRecord/	biom:SourceInformation	0	255	Used for Type-10 records that contain a biometric sample derived from a source representation in Record Type-20 (biometric data is stored in Field 10.999).	
10.997-A	SRN	itl:PackagePhotographicBodyPartImageRecord/ biom:SourceInformation/	biom:SourceID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to the particular Type-20 record containing the source representation from which the biometric data was derived. This same index value	200

							appears in the appropriate instance of Record Type-20 as Field 20.021.	
10.997-B	RSP	itl:PackagePhotographicBodyPartImageRecord/ biom:SourceInformation/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the source representation. This same segmentation index value appears in Field 20.016; there may be up to 99 segments listed in Field 20.016, but only the appropriate segment is identified in this information item.	25
10.999	DATA	itl:PackagePhotographicBodyPartImageRecord/ biom:FaceImage **OR** itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage	nc:Base64BinaryObject	1	1	Contains the image.	mrHbPdrko3u1s7a htgPBjtmO1s85tfG 2U7bpofY94Czu2 SbY7d7wF9fQ7Zp tgGrtkO2a2dsJ7wZ be8BlzvAmQ7xq+ Y94GoHeEsR3ik Wd4DIGhzmp3k4 2d4DRmzs94DKve DTB3hqw6PeBLrt pPep0H/+h
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageLatentImageRecord	0	998	Image data acquired from latent captures of friction ridge images.	
13.002	IDC	itl:PackageLatentImageRecord/	biom:ImageReferenceID	1	1	IDC assigned to this Type-13 record as listed in 1.003.	6
--------	--------	itl:PackageLatentImageRecord/	biom:FrictionRidgeDetail	1	1	Image and associated information.	
13.003	IMP	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:FrictionRidgeImageImpressionCaptureCategory Code	1	1	Manner by which latent print was obtained.	5
--------	--------	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/	biom:CaptureOrganization	0	1	Identifier of agency that created record and supplied information contained in it.	
13.004	SRC	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	Identifier of agency that created and supplied information contained in the record. The source agency name may be entered in 13.993.	WI013415Y
13.005	LCD	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/ biom:CaptureDate/	nc:Date	0	1	Capture date of latent biometric data.	2014-01-18
13.006	HLL	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:HorizontalLineLengthPixelQuantity	1	1	Number of pixels contained on a single horizontal line of the image.	80
13.007	VLL	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:VerticalLineLengthPixelQuantity	1	1	Number of pixels contained on a single vertical line of the image.	65
13.008	SLC	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:ImageScaleUnitsCode	1	1	Image sampling frequency (pixel density).	1
13.009	THPS	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:ImageHorizontalPixelDensityValue	1	1	Integer pixel density in the horizontal direction (if 13/SLC = 1 or 2); otherwise, if 13/SLC = 0, the horizontal component of the pixel aspect ratio.	1000
13.010	TVPS	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:ImageVerticalPixelDensityValue	1	1	Integer pixel density in the vertical direction (if 13/SLC = 1 or 2); otherwise, if 13/SLC = 0, the vertical component of the pixel aspect ratio.	1000
13.011	CGA	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:ImageCompressionAlgorithmCode	0	1	Algorithm used to compress the transmitted grayscale images (latent images shall not be compressed with any lossy compression algorithm).	2
13.012	BPX	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:ImageBitsPerPixelQuantity	1	1	Number of bits per pixel.	8

		itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:LatentFrictionRidgePositionCode	1	6	The finger, palm or plantar position that matches the latent image.	2
13.013	FGP	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:LatentFrictionRidgePositionCode	1	6	The finger, palm or plantar position that matches the latent image.	2
--------	--------	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:FingerprintImageMajorCasePrint	0	1	Finger position description.	
13.014-A	PDF	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/	biom:FingerPositionCode	1	9	Probable finger position code.	1
13.014-B	FIC	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/	biom:MajorCasePrintCode	1	9	Finger image code.	EJI
13.015	PPC	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/	biom:MajorCasePrintSegmentOffset	0	12	Describes the type or portion of the image contained in this record and its location within an EJI.	
13.015-A	FVC	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentFingerViewCode	1	1	Type of fingerprint image.	FV1
13.015-B	LOS	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentLocationCode	1	1	Finger segment location.	NA
13.015-C	LHC	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate/	biom:SegmentLeftHorizontalCoordinateValue	1	1	Horizontal offset in pixels to the left edge of the bounding box relative to the origin positioned in the upper left corner of the image.	115
13.015-D	RHC	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate/	biom:SegmentRightHorizontalCoordinateValue	1	1	Horizontal offset in pixels to the right edge of the bounding box relative to the origin positioned in the upper left corner of the image.	185
13.015-E	TVC	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate/	biom:SegmentTopVerticalCoordinateValue	1	1	Vertical offset (pixel counts down) to the top of the bounding box.	77
13.015-F	BVC	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate/	biom:SegmentBottomVerticalCoordinateValue	1	1	Vertical offset from the upper left corner of the image down to the bottom of the bounding box.	89
13.016	SHPS	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	0	1	Horizontal pixel density used for scanning the original image/impression or horizontal component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
13.017	SVPS	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	0	1	Vertical pixel density used for scanning the original image/impression or vertical component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
13.020	COM	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:ImageCommentText	0	1	Free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose.	Comment
13.024	LQM	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/	biom:FrictionRidgeImageQuality	0	9	Specifies one or more different metrics of latent image quality score data for the image stored in this record.	
		itl:PackageLatentImageRecord/					

13.024-A	*FRMP*	biom:FrictionRidgeDetail/ biom:FrictionRidgeImageQuality/	biom:LatentFrictionRidgePositionCode	1	1	Finger, palm or plantar position.	2
13.024-B	*QVU*	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FrictionRidgeImageQuality/	biom:QualityValue	1	1	Quantitative expression of predicted matching performance of biometric sample. This information item shall contain the integer image quality score assigned to the image data by a quality algorithm. Higher values indicate better quality.	100
13.024-C	*QAV*	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FrictionRidgeImageQuality/	biom:QualityAlgorithmVendorID	1	1	ID of the vendor of the quality algorithm used to calculate the quality score. This value is assigned by IBIA, which maintains the Vendor Registry of CBEFF Biometric Organizations that map the value in this field to a registered organization.	FFF0
13.024-D	*QAP*	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:FrictionRidgeImageQuality/	biom:QualityAlgorithmProductID	1	1	Numeric product code assigned by the vendor of the quality algorithm (may be registered with the IBIA, but registration is not required).	28495
13.902	ANN	itl:PackageLatentImageRecord/	biom:ProcessAnnotation	0	∞	Lists the operations performed on the original image source.	
13.902-A	*GMT*	itl:PackageLatentImageRecord/ biom:ProcessAnnotation/ biom:ProcessUTCDate/	nc:DateTime	1	1	Date and time when processing occurred.	2011-11-05T05:25:00Z
13.902-B	*NAV*	itl:PackageLatentImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	1	1	Name and version of processing algorithm or workstation.	Process name, v2.0
13.902-C	*OWN*	itl:PackageLatentImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	1	1	Organization that developed and/or maintains the processing algorithm, application, or latent workstation.	Process owner
13.902-D	*PRO*	itl:PackageLatentImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	1	1	A description of a biometric process or procedure applied to the sample in this Type-13 record.	A process description
13.903 *and* 13.904	--------	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/	biom:CaptureDevice	0	1	A set of information regarding the capture device	
13.903	DUI	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceID	0	1	A string uniquely identifying the device or source of the data. This field shall be: 1) Host MAC address (up to 13 characters), identified by the first character "M", or 2) Host processor ID (up to 16 characters), identified by the first character "P".	P270NEIS67830000
13.904-A	*MAK*	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceMakeText	0	1	Make ("0" = information is unknown).	RGT88
13.904-B	*MOD*	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceModelText	0	1	Model ("0" = information is unknown).	PEARL
13.904-C	*SER*	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceSerialNumberText	0	1	Serial number ("0" = information is unknown).	2838590029395784-4
13.993	SAN	itl:PackageLatentImageRecord/ biom:FrictionRidgeDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	0	1	Name of agency referenced in Field 13.004: Source agency/SRC.	AGENCY NAME
						Used for record types that have instances of Record Type-21 linked to	

13.995	ASC	itl:PackageLatentImageRecord/	biom:AssociatedContext	0	255	it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data.	
13.995-A	ACN	itl:PackageLatentImageRecord/ biom:AssociatedContext/	biom:ContextID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021.	1
13.995-B	ASP	itl:PackageLatentImageRecord/ biom:AssociatedContext/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the associated context data. This same segmentation index value appears in Record Type-21 as Field 21.016. There may be up to 99 segments listed in Field 21.016, but only the relevant segment is contained in this information item.	99
13.996	HAS	itl:PackageLatentImageRecord/	biom:ImageHashValue	0	1	Hash value of data in 13.999: Body part image/DATA.	5108B86727517A0 2D8A28AEC62E6 7E05F9AE7E8913 A773641D486841 FDE8F941
13.997	SOR	itl:PackageLatentImageRecord/	biom:SourceInformation	0	255	Used for Type-13 records that contain a biometric sample derived from a source representation in Record Type-20 (biometric data is stored in Field 13.999).	
13.997-A	SRN	itl:PackageLatentImageRecord/ biom:SourceInformation/	biom:SourceID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to the particular Type-20 record containing the source representation from which the biometric data was derived. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021.	200
13.997-B	RSP	itl:PackageLatentImageRecord/ biom:SourceInformation/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the source representation. This same segmentation index value appears in Field 20.016; there may be up to 99 segments listed in Field 20.016, but only the appropriate segment is identified in this information item.	25
13.999	DATA	itl:PackageLatentImageRecord/	nc:Base64BinaryObject	1	1	Contains the latent image.	mrHbPdrko3u1s7a htgPBjtmO1s85tfG 2U7bpofY94Czu2 SbY7d7wF9fQ7Zp tgGrtkO2a2dsJ7wZ be8BlzvAmQ7xq+ Y94GoHeEsR3ik Wd4DIGhzmp3k4 2d4DRmzs94DKve DTB3hqw6PeBLrt pPep0H/+h
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageFingerImpressionImageRecord	0	280	Contains and is used to exchange exemplar fingerprint image data, such as a rolled tenprint, an identification flat, or a complete friction ridge exemplar.	
14.002	IDC	itl:PackageFingerImpressionImageRecord/	biom:ImageReferenceID	1	1	IDC assigned to this Type-14 record as listed in 1.003.	7

--------	--------	itl:PackageFingerImpressionImageRecord/	biom:FingerImpressionImageDetail	1	1	Image and associated information.	
14.003	IMP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FrictionRidgeImageImpressionCaptureCategoryCode	1	1	Manner by which the print was obtained.	7
--------	--------	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/	biom:CaptureOrganization	0	1	Identifier of agency that created record and supplied information contained in it.	
14.004	SRC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	Identifier of agency that created and supplied information contained in the record. The source agency name may be entered in 14.993.	WI013415Y
14.005	FCD	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDate/	nc:Date	0	1	Capture date of exemplar fingerprint image data.	2007-01-01
14.006	HLL	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:HorizontalLineLengthPixelQuantity	0	1	Number of pixels contained on a single horizontal line of the image.	5000
14.007	VLL	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:VerticalLineLengthPixelQuantity	0	1	Number of pixels contained on a single vertical line of the image.	2500
14.008	SLC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:ImageScaleUnitsCode	0	1	Image sampling frequency (pixel density).	2
14.009	THPS	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:ImageHorizontalPixelDensityValue	0	1	Integer pixel density in the horizontal direction (if 14/SLC = 1 or 2); otherwise, if 14/SLC = 0, the horizontal component of the pixel aspect ratio.	1000
14.010	TVPS	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:ImageVerticalPixelDensityValue	0	1	Integer pixel density in the vertical direction (if 14/SLC = 1 or 2); otherwise, if 14/SLC = 0, the vertical component of the pixel aspect ratio.	1000
14.011	CGA	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:ImageCompressionAlgorithmCode	0	1	Algorithm used to compress the transmitted grayscale images.	2
14.012	BPX	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:ImageBitsPerPixelQuantity	0	1	Number of bits per pixel.	8
14.013	FGP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:ExemplarFingerPositionCode	1	1	Indicates which friction ridge position is to be associated with the attached image of this record. NGI will restrict the valid values for Friction Ridge Generalized Position, 14.013 FGP, to 1 - 15 and 19. When the value of '19' is present, then 14.014 PPD and 14.015 PPC must be present.	15
--------	--------	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FingerprintImageMajorCasePrint	0	1	Finger position description.	
14.014-A	DFP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/	biom:FingerPositionCode	1	9	Probable finger position code.	2
14.014-B	FIC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/	biom:MajorCasePrintCode	1	9	Code indicating the portion of the database to search.	TIP
14.015	PPC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/	biom:MajorCasePrintSegmentOffset	0	12	Describes the type or portion of the image contained in this record and its location within an EJI.	
14.015-A	FVC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentFingerViewCode	1	1	Code for the full finger view, values 'FV1' to 'FV4', or the rolled finger tip, 'TIP'.	TIP
14.015-B	LOS	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/	biom:SegmentLocationCode	1	1	Finger segment location.	PRX

		biom:MajorCasePrintSegmentOffset/					
14.015-C	LHC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate/	biom:SegmentLeftHorizontalCoordinateValue	1	1	Horizontal offset in pixels to the left edge of the bounding box relative to the origin positioned in the upper left corner of the image.	115
14.015-D	RHC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate/	biom:SegmentRightHorizontalCoordinateValue	1	1	Horizontal offset in pixels to the right edge of the bounding box relative to the origin positioned in the upper left corner of the image.	185
14.015-E	TVC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate/	biom:SegmentTopVerticalCoordinateValue	1	1	Vertical offset (pixel counts down) to the top of the bounding box.	77
14.015-F	BVC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate/	biom:SegmentBottomVerticalCoordinateValue	1	1	Vertical offset from the upper left corner of the image down to the bottom of the bounding box.	89
14.016	SHPS	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	0	1	Horizontal pixel density used for scanning the original image/impression or horizontal component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
14.017	SVPS	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	0	1	Vertical pixel density used for scanning the original image/impression or vertical component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
14.018	AMP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FingerprintImageFingerMissing	0	5	Specifies if one or more fingers are amputated or bandaged. This field is to be used anytime there are fewer than expected printable fingers in a submission (e.g., less than four in a left or right slap or less than two in a two-thumb slap).	
14.018-A	FRAP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageFingerMissing/	biom:FingerPositionCode	1	1	Friction ridge amputated or bandaged position.	8
14.018-B	ABC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageFingerMissing/	biom:FingerMissingCode	1	1	Code describing amputation or bandaged friction ridge area.	UP
14.020	COM	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:ImageCommentText	0	1	Free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose.	Comment
14.021	SEG	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FingerprintImageSegmentPositionSquare	0	5	Offsets to the locations of image segments containing the individual fingers within the flat images of simultaneous fingers from each hand or the two simultaneous thumbs.	
14.021-A	FRSP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionSquare/	biom:FingerPositionCode	1	1	Code indicating the location or position of the friction ridge segment.	2
14.021-B	LHC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionSquare/	biom:SegmentLeftHorizontalCoordinateValue	1	1	Horizontal offset in pixels to the left edge of the bounding box relative to the origin positioned in the upper left corner	50

						of the image.
14.021-C	RHC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionSquare/	biom:SegmentRightHorizontalCoordinateValue	1	1	Horizontal offset in pixels to the right edge of the bounding box relative to the origin positioned in the upper left corner of the image.	10
14.021-D	TVC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionSquare/	biom:SegmentTopVerticalCoordinateValue	1	1	Vertical offset (pixel counts down) to the top of the bounding box.	30
14.021-E	BVC	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionSquare/	biom:SegmentBottomVerticalCoordinateValue	1	1	Vertical offset (in pixels) from the upper left corner of the image down to the bottom of the bounding box.	10
14.022	NQM	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FingerprintImageNISTQuality	0	5	NIST Fingerprint Image Quality (NFIQ) scores for the individual finger(s) derived from the slap impressions or individually rolled fingerprints.	
14.022-A	FRNP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageNISTQuality/	biom:FingerPositionCode	1	1	Code indicating the position the NIST quality score applies to.	9
14.022-B	IQS	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageNISTQuality/	biom:NISTQualityMeasure	1	1	Quantitative expression of the predicted AFIS matcher accuracy performance of the fingerprint image. The scores range from "1" for the best quality image, to "5" for the worst quality image.	4
14.023	SQM	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FingerprintImageSegmentationQuality	0	5	Estimated correctness regarding the accuracy of the location of the segmented finger within the right or left four finger image (which may include extra digits, if applicable) or the two thumb image.	
14.023-A	FRQP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentationQuality/	biom:FingerPositionCode	1	1	Finger position addressed.	8
14.023-B	QVU	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentationQuality/	biom:QualityValue	1	1	Quantitative expression of predicted matching performance of biometric sample. This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality.	100
14.023-C	QAV	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentationQuality/	biom:QualityAlgorithmVendorID	1	1	ID of the vendor of the quality algorithm used to calculate the quality score. This value is assigned by IBIA, which maintains the Vendor Registry of CBEFF Biometric Organizations that map the value in this field to a registered organization.	FFF0
14.023-D	QAP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentationQuality/	biom:QualityAlgorithmProductID	1	1	Numeric product code assigned by the vendor of the quality algorithm (may be registered with the IBIA, but registration is not required).	28495
14.024	FQM	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FingerprintImageQuality	0	5	Specifies on or more different metrics of fingerprint image quality score data for the image stored in the record.	
14.024-A	FRMP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageQuality/	biom:FingerPositionCode	1	1	Finger, palm or plantar position for the quality metric.	8
14.024-B	QVU	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageQuality/	biom:QualityValue	1	1	Quantitative expression of predicted matching performance of biometric sample. This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned	100

							to the image data by a quality algorithm. Higher values indicate better quality.	
14.024-C	QAV	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageQuality/	biom:QualityAlgorithmVendorID	1	1	ID of the vendor of the quality algorithm used to calculate the quality score. This value is assigned by IBIA, which maintains the Vendor Registry of CBEFF Biometric Organizations that map the value in this field to a registered organization.	FFF0
14.024-D	QAP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageQuality/	biom:QualityAlgorithmProductID	1	1	Numeric product code assigned by the vendor of the quality algorithm (may be registered with the IBIA, but registration is not required).	28495
14.025	ASEG	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FingerprintImageSegmentPositionPolygon	0	5	This optional field is an alternate approach to describing the locations for each of the image segments of each of the individual fingers within a flat image containing the capture of four (or more if extra digits exist on the hand) simultaneous fingers or two simultaneous thumbs. Where SEG, 14.021, uses a straight box for this segmentation, ASEG allows for more of a polygon shape of segmentation. For submitting this field for NGI/CJIS, the user must include exactly 4 vertices of the polygon in sequential order with the first vertex being of the upper left point and continuing in a clockwise manner. The vertices must be within the bounds of the flat image and no two vertices may occupy the same location. The polygon shall be a four-cornered shape with no sides crossing.	
14.025-A	FRAS	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionPolygon/	biom:FingerPositionCode	1	1	Finger number from Table 8.	8
14.025-B	NOP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionPolygon/	biom:PositionPolygonVertexQuantity	1	1	Number of vertices for the occlusion polygon.	4
--------	--------	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionPolygon/	biom:PositionPolygonVertex	3	99	Number of polygon vertices/coordinate pairs.	
14.025-C	HPO	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionPolygon/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	1	1	Pixel count to the right (x coordinate).	100
14.025-D	VPO	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionPolygon/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	1	1	Pixel count down from the origin (y coordinate).	15
14.026	SCF	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FingerprintSimultaneousCaptureID	0	1	Specifies same reference number for all images captured simultaneously.	123
14.027	SIF	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FingerprintImageStitchedIndicator	0	1	Signifies that images captured separately were stitched together to form a single image.	true
14.030	DMM	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/	biom:CaptureDeviceMonitoringModeCode	0	1	Level of human monitoring associated with biometric sample capture.	ASSISTED
14.031	FAP	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/	biom:FingerprintImageAcquisitionProfileCode	0	1	FAP level associated with the fingerprint acquisition device.	20

14.200	ISC	itl:PackageFingerImpressionImageRecord/ ebts:Type14UserDefinedFields/	ebts:ImageSourceCode	0	1	Indicates to which source the included image belongs. This field allows images from multiple biometric sets that use the same Record Type to be distinguishable.	1
14.902	ANN	itl:PackageFingerImpressionImageRecord/	biom:ProcessAnnotation	0	∞	Lists the operations performed on the original image source.	
14.902-A	GMT	itl:PackageFingerImpressionImageRecord/ biom:ProcessAnnotation/ biom:ProcessUTCDate/	nc:DateTime	1	1	Date and time when processing occurred.	2011-11-05T05:25:00Z
14.902-B	NAV	itl:PackageFingerImpressionImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	1	1	Name and version of processing algorithm or workstation.	Process name, v2.0
14.902-C	OWN	itl:PackageFingerImpressionImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	1	1	Organization that developed and/or maintains the processing algorithm, application, or latent workstation.	Process owner
14.902-D	PRO	itl:PackageFingerImpressionImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	1	1	A description of a biometric process or procedure applied to the sample in this Type-14 record.	A process description
14.903 and 14.904	--------	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/	biom:CaptureDevice	0	1	A set of information regarding the capture device	
14.903	DUI	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceID	0	1	A string uniquely identifying the device or source of the data. This field shall be: 1) Host MAC address (up to 13 characters), identified by the first character "M", or 2) Host processor ID (up to 16 characters), identified by the first character "P".	P270NEIS67830000
14.904-A	MAK	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceMakeText	0	1	Make ("0" = information is unknown).	RGT88
14.904-B	MOD	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceModelText	0	1	Model ("0" = information is unknown).	PEARL
14.904-C	SER	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceSerialNumberText	0	1	Serial number ("0" = information is unknown).	2838590029395784-4
14.993	SAN	itl:PackageFingerImpressionImageRecord/ biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	0	1	Name of agency referenced in Field 14.004: Source agency/SRC.	AGENCY NAME
14.995	ASC	itl:PackageFingerImpressionImageRecord/	biom:AssociatedContext	0	255	Used for record types that have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data.	
14.995-A	ACN	itl:PackageFingerImpressionImageRecord/ biom:AssociatedContext/	biom:ContextID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021.	1
14.995-B	ASP	itl:PackageFingerImpressionImageRecord/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the associated context data. This same segmentation index value appears in	99

		biom:AssociatedContext/				Record Type-21 as Field 21.016. There may be up to 99 segments listed in Field 21.016, but only the relevant segment is contained in this information item.	
14.996	HAS	itl:PackageFingerImpressionImageRecord/	biom:ImageHashValue	0	1	Hash value of data in 14.999: Body part image/DATA.	5108B86727517A02D8A28AEC62E67E05F9AE7E8913A773641D486841FDE8F941
14.997	SOR	itl:PackageFingerImpressionImageRecord/	biom:SourceInformation	0	255	Used for Type-14 records that contain a biometric sample derived from a source representation in Record Type-20 (biometric data is stored in Field 14.999).	
_14.997-A_	_SRN_	itl:PackageFingerImpressionImageRecord/ biom:SourceInformation/	biom:SourceID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to the particular Type-20 record containing the source representation from which the biometric data was derived. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021.	200
_14.997-B_	_RSP_	itl:PackageFingerImpressionImageRecord/ biom:SourceInformation/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the source representation. This same segmentation index value appears in Field 20.016; there may be up to 99 segments listed in Field 20.016, but only the appropriate segment is identified in this information item.	25
14.999	DATA	itl:PackageFingerImpressionImageRecord/	nc:Base64BinaryObject	0	1	Contains the fingerprint image.	mrHbPdrko3u1s7ahtgPBjtmO1s85tfG2U7bpofY94Czu2SbY7d7wF9fQ7ZptgGrtkO2a2dsJ7wZbe8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackagePalmPrintImageRecord	0	40	Contains and is used to exchange palm print image data together with fixed and user-defined textual information fields pertinent to the digitized image.	
15.002	IDC	itl:PackagePalmPrintImageRecord/	biom:ImageReferenceID	1	1	IDC assigned to this Type-15 record as listed in 1.003.	8
--------	--------	itl:PackagePalmPrintImageRecord/	biom:PalmPrintImageDetail	1	1	Image and associated information.	
15.003	IMP	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:FrictionRidgeImageImpressionCaptureCategoryCode	1	1	Manner by which palm print was obtained.	10
--------	--------	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/	biom:CaptureOrganization	0	1	Identifier of agency that created record and supplied information contained in it.	
15.004	SRC	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	Identifier of agency that created and supplied information contained in the record. The source agency name may be entered in 15.993.	WI013415Y
15.005	PCD	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDate/	nc:Date	0	1	Palmprint capture date.	2007-01-01

15.006	HLL	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:HorizontalLineLengthPixelQuantity	0	1	Number of pixels contained on a single horizontal line of the image.	80
15.007	VLL	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:VerticalLineLengthPixelQuantity	0	1	Number of pixels contained on a single vertical line of the image.	65
15.008	SLC	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:ImageScaleUnitsCode	0	1	Image sampling frequency (pixel density).	1
15.009	THPS	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:ImageHorizontalPixelDensityValue	0	1	Integer pixel density in the horizontal direction (if 15/SLC = 1 or 2); otherwise, if 15/SLC = 0, the horizontal component of the pixel aspect ratio.	1000
15.010	TVPS	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:ImageVerticalPixelDensityValue	0	1	Integer pixel density in the vertical direction (if 15/SLC = 1 or 2); otherwise, if 15/SLC = 0, the vertical component of the pixel aspect ratio.	1000
15.011	CGA	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:ImageCompressionAlgorithmCode	0	1	Algorithm used to compress the transmitted grayscale images.	2
15.012	BPX	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:ImageBitsPerPixelQuantity	0	1	Number of bits per pixel.	8
15.013	FGP	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:PalmPositionCode	1	1	Palm print position.	20
15.016	SHPS	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	0	1	Horizontal pixel density used for scanning the original image/impression or horizontal component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
15.017	SVPS	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	0	1	Vertical pixel density used for scanning the original image/impression or vertical component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
15.018	AMP	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:PalmPrintImageMissingArea	0	9	Specifies if a hand is amputated or bandaged.	
15.018-A	FRAP	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:PalmPrintImageMissingArea/	biom:PalmPositionCode	1	1	Friction ridge amputated or bandaged position.	20
15.018-B	ABC	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:PalmPrintImageMissingArea/	biom:PalmMissingAreaReasonCode	1	1	Amputated or bandaged code.	UP
15.020	COM	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:ImageCommentText	0	1	Free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose.	Comment
15.024	PQM	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/	biom:PalmPrintImageQuality	0	9	Specifies one or more different metrics of the print image quality score data for the image stored in this record.	
15.024-A	FRMP	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:PalmPrintImageQuality/	biom:PalmPositionCode	1	1	Palm position for the quality metric.	28
15.024-B	QVU	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:PalmPrintImageQuality/	biom:QualityValue	1	1	Quantitative expression of predicted matching performance of biometric sample. This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality.	100
		itl:PackagePalmPrintImageRecord/				ID of the vendor of the quality algorithm used to calculate the quality score. This value is assigned by IBIA,	

15.024-C	QAV	biom:PalmPrintImageDetail/ biom:PalmPrintImageQuality/	biom:QualityAlgorithmVendorID	1	1	which maintains the Vendor Registry of CBEFF Biometric Organizations that map the value in this field to a registered organization.	FFF0
15.024-D	QAP	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:PalmPrintImageQuality/	biom:QualityAlgorithmProductID	1	1	Numeric product code assigned by the vendor of the quality algorithm (may be registered with the IBIA, but registration is not required).	28495
15.030	DMM	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/	biom:CaptureDeviceMonitoringModeCode	0	1	Level of human monitoring associated with biometric sample capture.	ASSISTED
15.200	ISC	itl:PackagePalmPrintImageRecord/ ebts:Type15UserDefinedFields/	ebts:ImageSourceCode	0	1	Indicates to which source the included image belongs. This field allows images from multiple biometric sets that use the same Record Type to be distinguishable.	1
15.902	ANN	itl:PackagePalmPrintImageRecord/	biom:ProcessAnnotation	0	∞	Lists the operations performed on the original image source.	
15.902-A	GMT	itl:PackagePalmPrintImageRecord/ biom:ProcessAnnotation/ biom:ProcessUTCDate/	nc:DateTime	1	1	Date and time when processing occurred.	2011-11-05T05:25:00Z
15.902-B	NAV	itl:PackagePalmPrintImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	1	1	Name and version of processing algorithm or workstation.	Process name, v2.0
15.902-C	OWN	itl:PackagePalmPrintImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	1	1	Organization that developed and/or maintains the processing algorithm, application, or latent workstation.	Process owner
15.902-D	PRO	itl:PackagePalmPrintImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	1	1	A description of a biometric process or procedure applied to the sample in this Type-15 record.	A process description
15.903 and 15.904	--------	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/	biom:CaptureDevice	0	1	A set of information regarding the capture device	
15.903	DUI	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceID	0	1	A string uniquely identifying the device or source of the data. This field shall be: 1) Host MAC address (up to 13 characters), identified by the first character "M", or 2) Host processor ID (up to 16 characters), identified by the first character "P".	P270NEIS67830000
15.904-A	MAK	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceMakeText	0	1	Make ("0" = information is unknown).	RGT88
15.904-B	MOD	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceModelText	0	1	Model ("0" = information is unknown).	PEARL
15.904-C	SER	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceSerialNumberText	0	1	Serial number ("0" = information is unknown).	2838590029395784-4
15.993	SAN	itl:PackagePalmPrintImageRecord/ biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	0	1	Name of agency referenced in Field 15.004: Source agency/SRC.	AGENCY NAME
15.995	ASC	itl:PackagePalmPrintImageRecord/	biom:AssociatedContext	0	255	Used for record types that have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data.	

15.995-A	ACN	itl:PackagePalmPrintImageRecord/ biom:AssociatedContext/	biom:ContextID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021.	1
15.995-B	ASP	itl:PackagePalmPrintImageRecord/ biom:AssociatedContext/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the associated context data. This same segmentation index value appears in Record Type-21 as Field 21.016. There may be up to 99 segments listed in Field 21.016, but only the relevant segment is contained in this information item.	99
15.996	HAS	itl:PackagePalmPrintImageRecord/	biom:ImageHashValue	0	1	Hash value of data in 15.999: Body part image/DATA.	5108B86727517A0 2D8A28AEC62E6 7E05F9AE7E8913 A773641D486841 FDE8F941
15.997	SOR	itl:PackagePalmPrintImageRecord/	biom:SourceInformation	0	255	Used for Type-15 records that contain a biometric sample derived from a source representation in Record Type-20.	
15.997-A	SRN	itl:PackagePalmPrintImageRecord/ biom:SourceInformation/	biom:SourceID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to the particular Type-20 record containing the source representation from which the biometric data was derived. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021.	200
15.997-B	RSP	itl:PackagePalmPrintImageRecord/ biom:SourceInformation/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the source representation. This same segmentation index value appears in Field 20.016; there may be up to 99 segments listed in Field 20.016, but only the appropriate segment is identified in this information item.	25
15.999	DATA	itl:PackagePalmPrintImageRecord/	nc:Base64BinaryObject	0	1	Palmprint image.	mrHbPdrko3u1s7a htgPBjtmO1s85tfG 2U7bpofY94Czu2 SbY7d7wF9fQ7Zp tgGrtkO2a2dsJ7wZ be8BlzvAmQ7xq+ Y94GoHeEsR3ik Wd4DIGhzmp3k4 2d4DRmzs94DKve DTB3hqw6PeBLrt pPep0H/+h
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageUserDefinedTestingImageRecord	0	998	Contains and is used to exchange image data together with textual information fields pertinent to the digitized image. This record type allows the exchange of images not addressed by other record types in the standard. It is intended as the user-defined record to be used for developmental or test purposes.	
16.002	IDC	itl:PackageUserDefinedTestingImageRecord/	biom:ImageReferenceID	1	1	IDC assigned to this Type-16 record as listed in 1.003.	9
16.003	UDI	itl:PackageUserDefinedTestingImageRecord/	nc:BinaryDescriptionText	1	1	Type of user-defined image contained in record. Its content shall be defined by	

		biom:TestImageDetail/						the user and be in accordance with the receiving agency.
--------	--------	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/	biom:CaptureOrganization	0	1			Identifier of agency that created record and supplied information contained in it.
16.004	SRC	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	Identifier of agency that created and supplied information contained in the record. The source agency name may be entered in 16.993.		WI013415Y
16.005	UTD	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDate/	nc:Date	0	1	Capture date of test image in record.		2013-01-01
16.006	HLL	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/	biom:HorizontalLineLengthPixelQuantity	1	1	Number of pixels contained on a single horizontal line of the image.		80
16.007	VLL	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/	biom:VerticalLineLengthPixelQuantity	1	1	Number of pixels contained on a single vertical line of the image.		65
16.008	SLC	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/	biom:ImageScaleUnitsCode	1	1	Image sampling frequency (pixel density).		1
16.009	THPS	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/	biom:ImageHorizontalPixelDensityValue	1	1	Integer pixel density in the horizontal direction (if 16/SLC = 1 or 2); otherwise, if 16/SLC = 0, the horizontal component of the pixel aspect ratio.		1000
16.010	TVPS	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/	biom:ImageVerticalPixelDensityValue	1	1	Integer pixel density in the vertical direction (if 16/SLC = 1 or 2); otherwise, if 16/SLC = 0, the vertical component of the pixel aspect ratio.		1000
16.011	CGA	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/	biom:ImageCompressionAlgorithmCode	0	1	Algorithm used to compress the transmitted images.		2
16.012	BPX	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/	biom:ImageBitsPerPixelQuantity	1	1	Number of bits per pixel in the image.		8
16.013	CSP	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/	biom:ImageColorSpaceCode	0	1	Code indicating the color space used in the image.		GRAY
16.016	SHPS	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	0	1	Horizontal pixel density used for scanning the original image/impression or horizontal component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.		500
16.017	SVPS	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	0	1	Vertical pixel density used for scanning the original image/impression or vertical component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.		500
16.020	COM	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/	biom:ImageCommentText	0	1	Free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose.		Comment
16.024	UQS	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/	biom:ImageQuality	0	9	Specifies one or more different metrics of the image quality score data for the image stored in this record.		
16.024-A	QVU	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageQuality/	biom:QualityValue	1	1	Quantitative expression of predicted matching performance of biometric sample. This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality.		100

16.024-B	QAV	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageQuality/	biom:QualityAlgorithmVendorID	1	1	ID of the vendor of the quality algorithm used to calculate the quality score. This value is assigned by IBIA, which maintains the Vendor Registry of CBEFF Biometric Organizations that map the value in this field to a registered organization.	FFF0
16.024-C	QAP	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageQuality/	biom:QualityAlgorithmProductID	1	1	Numeric product code assigned by the vendor of the quality algorithm (may be registered with the IBIA, but registration is not required).	28495
16.030	DMM	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/	biom:CaptureDeviceMonitoringModeCode	0	1	Level of human monitoring associated with biometric sample capture.	ASSISTED
16.902	ANN	itl:PackageUserDefinedTestingImageRecord/	biom:ProcessAnnotation	0	∞	Lists the operations performed on the original image source.	
16.902-A	GMT	itl:PackageUserDefinedTestingImageRecord/ biom:ProcessAnnotation/ biom:ProcessUTCDate/	nc:DateTime	1	1	Date and time when processing occurred.	2011-11-05T05:25:00Z
16.902-B	NAV	itl:PackageUserDefinedTestingImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	1	1	Name and version of processing algorithm or workstation.	Process name, v2.0
16.902-C	OWN	itl:PackageUserDefinedTestingImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	1	1	Organization that developed and/or maintains the processing algorithm, application, or latent workstation.	Process owner
16.902-D	PRO	itl:PackageUserDefinedTestingImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	1	1	A description of a biometric process or procedure applied to the sample in this Type-16 record.	A process description
16.903 and 16.904	--------	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/	biom:CaptureDevice	0	1	A set of information regarding the capture device	
16.903	DUI	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceID	0	1	A string uniquely identifying the device or source of the data. This field shall be: 1) Host MAC address (up to 13 characters), identified by the first character "M", or 2) Host processor ID (up to 16 characters), identified by the first character "P".	P270NEIS67830000
16.904-A	MAK	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceMakeText	0	1	Make ("0" = information is unknown).	RGT88
16.904-B	MOD	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceModelText	0	1	Model ("0" = information is unknown).	PEARL
16.904-C	SER	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceSerialNumberText	0	1	Serial number ("0" = information is unknown).	2838590029395784-4
16.993	SAN	itl:PackageUserDefinedTestingImageRecord/ biom:TestImageDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	0	1	Name of agency referenced in Field 16.004: Source agency/SRC.	AGENCY NAME
16.995	ASC	itl:PackageUserDefinedTestingImageRecord/	biom:AssociatedContext	0	255	Used for record types that have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data.	
						An index (sequentially assigned positive	

16.995-A	ACN	itl:PackageUserDefinedTestingImageRecord/ biom:AssociatedContext/	biom:ContextID	1	1	integer starting from one and incremented by one) to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021.	1
16.995-B	ASP	itl:PackageUserDefinedTestingImageRecord/ biom:AssociatedContext/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the associated context data. This same segmentation index value appears in Record Type-21 as Field 21.016. There may be up to 99 segments listed in Field 21.016, but only the relevant segment is contained in this information item.	99
16.996	HAS	itl:PackageUserDefinedTestingImageRecord/	biom:ImageHashValue	0	1	Hash value of data in 16.999: Body part image/DATA.	5108B86727517A0 2D8A28AEC62E6 7E05F9AE7E8913 A773641D486841 FDE8F941
16.997	SOR	itl:PackageUserDefinedTestingImageRecord/	biom:SourceInformation	0	255	Used for Type-16 records that contain a biometric sample derived from a source representation in Record Type-20 (biometric data is stored in Field 16.999).	
16.997-A	SRN	itl:PackageUserDefinedTestingImageRecord/ biom:SourceInformation/	biom:SourceID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to the particular Type-20 record containing the source representation from which the biometric data was derived. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021.	200
16.997-B	RSP	itl:PackageUserDefinedTestingImageRecord/ biom:SourceInformation/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the source representation. This same segmentation index value appears in Field 20.016; there may be up to 99 segments listed in Field 20.016, but only the appropriate segment is identified in this information item.	25
16.999	DATA	itl:PackageUserDefinedTestingImageRecord/	nc:Base64BinaryObject	1	1	Contains the user-defined test image.	mrHbPdrko3u1s7a htgPBjtmO1s85tfG 2U7bpofY94Czu2 SbY7d7wF9fQ7Zp tgGrtkO2a2dsJ7wZ be8BlzvAmQ7xq+ Y94GoHeEsR3ik Wd4DIGhzmp3k4 2d4DRmzs94DKve DTB3hqw6PeBLrt pPep0H/+h
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageIrisImageRecord	0	51	Generic iris image data.	
17.002	IDC	itl:PackageIrisImageRecord/	biom:ImageReferenceID	1	1	IDC assigned to this Type-17 record as listed in 1.003.	19
--------	--------	itl:PackageIrisImageRecord/	biom:IrisImageDetail	1	1	Image and associated information.	
17.003	ELR	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:IrisEyePositionCode	1	1	This field is mandatory for all iris transactions submitted to NGI for enrollment or search. For enrollment TOTs, (1) an ELR value of '0' for 'unknown' is not permissible, and (2) mislabeled iris images (i.e. two right eyes) will cause the iris records to be	1

					rejected. For an IIDS with mislabeled iris images within the Type-17 records, the transaction will be processed but an error message will be returned along with the search response.	
--------	--------	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:ImageCaptureDetail/	biom:CaptureOrganization	1	1	Identifier of agency that created record and supplied information contained in it.	
17.004	SRC	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	Identifier of agency that created and supplied information contained in the record. The source agency name may be entered in 17.993.	WI013415Y
17.005	ICD	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDate/	nc:Date	1	1	Capture date of iris biometric data.	2013-01-01
17.006	HLL	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:HorizontalLineLengthPixelQuantity	1	1	Number of pixels contained on a single horizontal line of the image.	80
17.007	VLL	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:VerticalLineLengthPixelQuantity	1	1	Number of pixels contained on a single vertical line of the image.	65
17.008	SLC	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:ImageScaleUnitsCode	1	1	Image sampling frequency (pixel density).	1
17.009	THPS	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:ImageHorizontalPixelDensityValue	1	1	Integer pixel density in the horizontal direction (if 17/SLC = 1 or 2); otherwise, if 17/SLC = 0, the horizontal component of the pixel aspect ratio.	1000
17.010	TVPS	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:ImageVerticalPixelDensityValue	1	1	Integer pixel density in the vertical direction (if 17/SLC = 1 or 2); otherwise, if 17/SLC = 0, the vertical component of the pixel aspect ratio.	1000
17.011	CGA	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:ImageCompressionAlgorithmCode	1	1	This field is mandatory if an image is present in Field 17.999. It shall specify the algorithm used to compress the transmitted iris image. Permitted values for this field are 0, 4, 5, and 6. Lossless compression or no compression is preferred to preserve image quality. Typically, image submissions use the PNG format. Note that the baseline JPEG algorithm (ISO/IEC 10918) is not acceptable for iris images and shall not be used.	6
17.012	BPX	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:ImageBitsPerPixelQuantity	1	1	Number of bits per pixel.	8
17.013	CSP	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:ImageColorSpaceCode	1	1	Image color space.	GRAY
17.014	RAE	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:IrisEyeRotationAngleValue	0	1	In-plane rotation angle of the iris. The angle is defined, and measured in degrees, as the angle between a line joining the pupil or iris centers of the left and right eyes, and the horizontal axis of the imaging system.	8192
17.015	RAU	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:IrisEyeRotationUncertaintyValue	0	1	Rotation uncertainty of rotation angle in 17.014. The rotation uncertainty is non-negative and equal to [round (65535 * uncertainty / 180)]. The value "FFFF" indicates that uncertainty is undefined.	FFFF
17.016	IPC	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:IrisImageCapture	0	1	Properties of the iris image.	

17.016-A	IHO	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:IrisImageCapture/	biom:IrisImageHorizontalOrientationCode	1	1	Image eye orientation along horizontal axis.	2
17.016-B	IVO	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:IrisImageCapture/	biom:IrisImageVerticalOrientationCode	1	1	Image eye orientation along vertical axis.	1
17.016-C	IST	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:IrisImageCapture/	biom:IrisImageScanCategoryCode	1	1	Scan type for captured image.	1
17.017	DUI	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceID	0	1	A string uniquely identifying the device or source of the data. This field shall be: 1) Host MAC address (up to 13 characters), identified by the first character "M", or 2) Host processor ID (up to 16 characters), identified by the first character "P".	P270NEIS67830000
17.019	MMS	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:ImageCaptureDetail	0	1	Make, model and serial number for the capture device.	
17.019-A	MAK	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceMakeText	1	1	Make ("0" = information is unknown).	RGT88
17.019-B	MOD	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceModelText	1	1	Model ("0" = information is unknown).	PEARL
17.019-C	SER	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceSerialNumberText	1	1	Serial number ("0" = information is unknown).	2838590029395784-4
17.020	ECL	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	ebts:PersonEyeColorCode	0	1	This optional field is used to record the subject's eye color as it appears in the image. Due to restrictions for fields 17.013 CSP and 17.025 EAS, which only permit gray scale iris images, the only NGI/CJIS acceptable value for ECL shall be "XXX."	XXX
17.021	COM	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:ImageCommentText	0	1	Free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose.	Comment
17.025	EAS	itl:PackageIrisImageRecord/ biom:IrisImageDetail/ biom:IrisImageAcquisitionLightingSpectrum/	biom:AcquisitionLightingSpectrumCode	0	1	This optional field indicates the acquisition spectrum used in capturing the iris image. NGI/CJIS transactions are restricted to the "NIR" (near-infrared) value.	NIR
17.028	DME	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:IrisImageMissingReasonCode	1	1	This field is mandatory for all iris transactions submitted to NGI for enrollment or search when either the left or right iris image cannot be captured.	MA
17.031	IAP	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:IrisImageAcquisitionProfileCode	0	1	IAP level associated with the iris acquisition device.	20
17.032	ISF	itl:PackageIrisImageRecord/ biom:IrisImageDetail/	biom:IrisImageStorageFormatCode	0	1	Storage format for iris image.	3
17.999	DAT	itl:PackageIrisImageRecord/	nc:Base64BinaryObject	0	1	Contains the iris image.	mrHbPdrko3u1s7a htgPBjtmO1s85tfG 2U7bpofY94Czu2 SbY7d7wF9fQ7Zp tgGrtkO2a2dsJ7wZ be8BlzvAmQ7xq+ Y94GoHeEsR3ik

Wd4DIGhzmp3k42d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h

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19.002	IDC	itl:PackagePlantarImageRecord/	biom:ImageReferenceID	1	1	IDC assigned to this Type-19 record as listed in 1.003.	16
19.003	IMP	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:FrictionRidgeImageImpressionCaptureCategoryCode	1	1	Manner by which the plantar print was obtained.	28
--------	--------	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/	biom:CaptureOrganization	0	1	Identifier of agency that created record and supplied information contained in it.	
19.004	SRC	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	Identifier of agency that created and supplied information contained in the record. The source agency name may be entered in 19.993.	WI013415Y
19.005	PCD	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDate/	nc:Date	0	1	Capture date of plantar biometric data.	2011-01-01
19.006	HLL	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:HorizontalLineLengthPixelQuantity	0	1	Number of pixels contained on a single horizontal line of the image.	80
19.007	VLL	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:VerticalLineLengthPixelQuantity	0	1	Number of pixels contained on a single vertical line of the image.	65
19.008	SLC	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:ImageScaleUnitsCode	0	1	Image sampling frequency (pixel density).	1
19.009	THPS	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:ImageHorizontalPixelDensityValue	0	1	Integer pixel density in the horizontal direction (if 19/SLC = 1 or 2); otherwise, if 19/SLC = 0, the horizontal component of the pixel aspect ratio.	1000
19.010	TVPS	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:ImageVerticalPixelDensityValue	0	1	Integer pixel density in the vertical direction (if 19/SLC = 1 or 2); otherwise, if 19/SLC = 0, the vertical component of the pixel aspect ratio.	1000
19.011	CGA	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:ImageCompressionAlgorithmCode	0	1	Algorithm used to compress the transmitted grayscale images.	2
19.012	BPX	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:ImageBitsPerPixelQuantity	0	1	Number of bits per pixel.	8
19.013	FGP	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:PlantarPositionCode	1	1	Plantar print position that matches the plantar print image.	71
19.016	SHPS	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	0	1	Horizontal pixel density used for scanning the original image/impression or horizontal component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
19.017	SVPS	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	0	1	Vertical pixel density used for scanning the original image/impression or vertical component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
19.018	AMP	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:PlantarImageMissingArea	0	8	Specifies if a foot is amputated or bandaged.	
19.018-A	FRAP	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:PlantarPositionCode	1	1	Friction ridge amputated or bandaged	71

		biom:PlantarImageMissingArea/				position.	
19.018-B	ABC	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:PlantarImageMissingArea/	biom:PlantarMissingAreaReasonCode	1	1	Amputated or bandaged code.	UP
19.019	FSP	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:PlantarImageSegmentToePositionPolygon	0	5	Describes the locations for each of the image segments of up to five individual toes within a flat image. Additional toes (beyond five per foot) shall be grouped together with either the big toe or the little toe, depending upon the side of the foot upon which they appear.	
19.019-A	FRSP	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:PlantarImageSegmentToePositionPolygon/	biom:PlantarPositionCode	1	1	Friction ridge segment position.	64
19.019-B	NOP	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:PlantarImageSegmentToePositionPolygon/	biom:PositionPolygonVertexQuantity	1	1	Number of polygon vertices.	4
--------	--------	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:PlantarImageSegmentToePositionPolygon/	biom:PositionPolygonVertex	3	99	Locations for each toe image segment.	
19.019-C	HPO	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:PlantarImageSegmentToePositionPolygon/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	1	1	Pixel count to the right of upper left pixel (x coordinate).	100
19.019-D	VPO	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:PlantarImageSegmentToePositionPolygon/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	1	1	Pixel count down from upper left pixel (y coordinate).	15
19.020	COM	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:ImageCommentText	0	1	Free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose.	Comment
19.024	FQM	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/	biom:PlantarImageQuality	0	9	Specifies one or more different metrics of plantar print image quality score data.	
19.024-A	FRMP	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:PlantarImageQuality/	biom:PlantarPositionCode	1	1	Plantar position for the quality metric.	60
19.024-B	QVU	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:PlantarImageQuality/	biom:QualityValue	1	1	Quantitative expression of predicted matching performance of biometric sample. This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality.	100
19.024-C	QAV	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:PlantarImageQuality/	biom:QualityAlgorithmVendorID	1	1	ID of the vendor of the quality algorithm used to calculate the quality score. This value is assigned by IBIA, which maintains the Vendor Registry of CBEFF Biometric Organizations that map the value in this field to a registered organization.	FFF0
19.024-D	QAP	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:PlantarImageQuality/	biom:QualityAlgorithmProductID	1	1	Numeric product code assigned by the vendor of the quality algorithm (may be registered with the IBIA, but registration is not required).	28495
19.030	DMM	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/	biom:CaptureDeviceMonitoringModeCode	0	1	Level of human monitoring associated with biometric sample capture.	ASSISTED
19.902	ANN	itl:PackagePlantarImageRecord/	biom:ProcessAnnotation	0	∞	Lists the operations performed on the original image source.	

19.902-A	GMT	itl:PackagePlantarImageRecord/ biom:ProcessAnnotation/ biom:ProcessUTCDate/	nc:DateTime	1	1	Date and time when processing occurred.	2011-11-05T05:25:00Z
19.902-B	NAV	itl:PackagePlantarImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	1	1	Name and version of processing algorithm or workstation.	Process name, v2.0
19.902-C	OWN	itl:PackagePlantarImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	1	1	Organization that developed and/or maintains the processing algorithm, application, or latent workstation.	Process owner
19.902-D	PRO	itl:PackagePlantarImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	1	1	A description of a biometric process or procedure applied to the sample in this Type-19 record.	A process description
19.903 and 19.904	--------	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/	biom:CaptureDevice	0	1	A set of information regarding the capture device	
19.903	DUI	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceID	0	1	A string uniquely identifying the device or source of the data. This field shall be: 1) Host MAC address (up to 13 characters), identified by the first character "M", or 2) Host processor ID (up to 16 characters), identified by the first character "P".	P270NEIS67830000
19.904-A	MAK	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceMakeText	0	1	Make ("0" = information is unknown).	RGT88
19.904-B	MOD	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceModelText	0	1	Model ("0" = information is unknown).	PEARL
19.904-C	SER	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceSerialNumberText	0	1	Serial number ("0" = information is unknown).	2838590029395784-4
19.993	SAN	itl:PackagePlantarImageRecord/ biom:PlantarImageDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	0	1	Name of agency referenced in Field 19.004: Source agency/SRC.	AGENCY NAME
19.995	ASC	itl:PackagePlantarImageRecord/	biom:AssociatedContext	0	255	Used for record types that have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data.	
19.995-A	ACN	itl:PackagePlantarImageRecord/ biom:AssociatedContext/	biom:ContextID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021.	1
19.995-B	ASP	itl:PackagePlantarImageRecord/ biom:AssociatedContext/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the associated context data. This same segmentation index value appears in Record Type-21 as Field 21.016. There may be up to 99 segments listed in Field 21.016, but only the relevant segment is contained in this information item.	99
						Hash value of data in 19.999: Body part	5108B86727517A02D8A28AEC62E6

19.996	HAS	itl:PackagePlantarImageRecord/	biom:ImageHashValue	0	1	image/DATA.	7E05F9AE7E8913A773641D486841FDE8F941
19.997	SOR	itl:PackagePlantarImageRecord/	biom:SourceInformation	0	255	Used for Type-19 records that contain a biometric sample derived from a source representation in Record Type-20.	
19.997-A	*SRN*	itl:PackagePlantarImageRecord/ biom:SourceInformation/	biom:SourceID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to the particular Type-20 record containing the source representation from which the biometric data was derived. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021.	200
19.997-B	*RSP*	itl:PackagePlantarImageRecord/ biom:SourceInformation/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the source representation. This same segmentation index value appears in Field 20.016; there may be up to 99 segments listed in Field 20.016, but only the appropriate segment is identified in this information item.	25
19.999	DATA	itl:PackagePlantarImageRecord/	nc:Base64BinaryObject	0	1	Contains the plantar image.	mrHbPdrko3u1s7ahtgPBjtmO1s85tfG2U7bpofY94Czu2SbY7d7wF9fQ7ZptgGrtkO2a2dsJ7wZbe8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageSourceRepresentationRecord	0	998	Source representation(s) from which other Record Types were derived.	
20.002	IDC	itl:PackageSourceRepresentationRecord/	biom:ImageReferenceID	1	1	IDC assigned to this Type-20 record as listed in 1.003.	10
20.003	CAR	itl:PackageSourceRepresentationRecord/	biom:SourceRecordCardinalityCode	1	1	Indicates how the record is being used. It describes the cardinality: one to one (S), one to many (D), or many-to-one (M) of how the source representation record relates to other record(s) within the transaction.	D
--------	--------	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:ImageCaptureDetail	0	1	Image and associated information.	
--------	--------	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/	biom:CaptureOrganization	1	1	Identifier of agency that created record and supplied information contained in it.	
20.004	SRC	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	Identifier of agency that created and supplied information contained in the record. The source agency name may be entered in 20.993.	WI013415Y
20.005	SRD	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/ biom:CaptureDate/	nc:Date	0	1	Date and time that the source representation contained in the record was captured.	2011-01-01T05:25
20.006	HLL	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:HorizontalLineLengthPixelQuantity	0	1	Number of pixels contained on a single horizontal line of the image.	80
20.007	VLL	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:VerticalLineLengthPixelQuantity	0	1	Number of pixels contained on a single vertical line of the image.	65

20.008	SLC	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:ImageScaleUnitsCode	0	1	Image sampling frequency (pixel density).	1
20.009	THPS	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:ImageHorizontalPixelDensityValue	0	1	Integer pixel density in the horizontal direction (if 20/SLC = 1 or 2); otherwise, if 20/SLC = 0, the horizontal component of the pixel aspect ratio.	1000
20.010	TVPS	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:ImageVerticalPixelDensityValue	0	1	Integer pixel density in the vertical direction (if 20/SLC = 1 or 2); otherwise, if 20/SLC = 0, the vertical component of the pixel aspect ratio.	1000
20.011	CGA	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:ImageCompressionAlgorithmCode	0	1	Algorithm used to compress the transmitted images.	2
20.012	BPX	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:ImageBitsPerPixelQuantity	0	1	Number of bits per pixel.	8
20.013	CSP	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:ImageColorSpaceCode	0	1	Image color space.	GRAY
20.014	AQS	itl:PackageSourceRepresentationRecord/	biom:SourceAcquisition	1	9	Describes the acquisition source.	
20.014-A	AQT	itl:PackageSourceRepresentationRecord/ biom:SourceAcquisition/	biom:AcquisitionSourceCode	1	1	Acquisition source type.	6
20.014-B	A2D	itl:PackageSourceRepresentationRecord/ biom:SourceAcquisition/	biom:AcquisitionDigitalConversionDescriptionText	0	1	Describes the analog to digital equipment used to transform the source. This field should address parameters used, such as sample rate, if known.	
20.014-C	FDN	itl:PackageSourceRepresentationRecord/ biom:SourceAcquisition/	biom:AcquisitionRadioTransmissionFormatDescriptionText	0	1	Text describing the radio transmission format.	
20.014-D	AQSC	itl:PackageSourceRepresentationRecord/ biom:SourceAcquisition/	biom:AcquisitionSpecialCharacteristicsText	0	1	Free text field which describes any specific conditions not mentioned in the table.	Near-infrared camera outputting images in visible wavelengths
20.015	SFT	itl:PackageSourceRepresentationRecord/	biom:SourceFileFormat	1	1	Source representation format.	
20.015-A	FTY	itl:PackageSourceRepresentationRecord/ biom:SourceFileFormat/	biom:SourceFileCategoryText	1	1	File type. If the source representation is a digital file, this shall contain the suffix indicating the file type (such as JPG).	ANALOG
20.015-B	DEI	itl:PackageSourceRepresentationRecord/ biom:SourceFileFormat/	biom:SourceFileDecodingInstructionsText	0	1	Free text providing decoding instructions.	
20.016	SEG	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:ImageSegment	0	99	Consists of a subfield for each segment of a 2D image to be defined.	
20.016-A	RSP	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageSegment/	biom:ImageSegmentID	1	1	Unique index to a segmentation.	25
20.016-B	IPT	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageSegment/	biom:ImageSegmentInternalFileLocationText	1	1	Pointer to referenced file. It is set to 0 if the source representation is a single file. If the external file referenced in Field 20.994 EFR or Field 21.994 EFR is a PDF, video, or presentation file, or has multiple locations where a sample may be located, this information item is the reference to the particular instance, such as page, video frame, or slide number used to derive the image transmitted in other record types. If a particular frame is chosen and there is no further image segmentation needed, the following information items shall not be used.	0
20.016-C	NOP	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageSegment/	biom:PositionPolygonVertexQuantity	0	1	Number of vertices of polygon.	4
--------	--------	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageSegment/	biom:PositionPolygonVertex	0	99	X and Y coordinates of vertices for 2D image segment.	

20.016-D	HPO	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageSegment/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	1	1	Pixel count to the right of upper left pixel (x coordinate).	100
20.016-E	VPO	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageSegment/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	1	1	Pixel count down from origin (y coordinate).	15
20.017	SHPS	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	0	1	Horizontal pixel density used for scanning the original image/impression or horizontal component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
20.018	SVPS	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	0	1	Vertical pixel density used for scanning the original image/impression or vertical component of pixel aspect ratio. This field is used if the transmission pixel scale differs from the original image scale.	500
20.019	TIX	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/	biom:TimeSegment	0	99	Start and end times of video/audio segments within the file.	
20.019-A	TIS	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:TimeSegment/	biom:TimeSegmentStartTime	1	1	Start time (must be greater than the zero time index, which should be clearly indicated on the source unless it is the absolute beginning of the file).	10:34:00.000
20.019-B	TIE	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:TimeSegment/	biom:TimeSegmentEndTime	1	1	End time.	11:55:33.000
20.020	COM	itl:PackageSourceRepresentationRecord/	biom:SourceCommentText	0	1	Free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose.	Comment
20.021	SRN	itl:PackageSourceRepresentationRecord/	biom:SourceID	1	1	Reference number for the source representation stored in this record. It is an integer, numbered sequentially beginning at one and incremented for each instance of Record Type-20.	8
20.902	ANN	itl:PackageSourceRepresentationRecord/	biom:ProcessAnnotation	0	∞	Lists the operations performed on the original image source.	
20.902-A	GMT	itl:PackageSourceRepresentationRecord/ biom:ProcessAnnotation/ biom:ProcessUTCDate/	nc:DateTime	1	1	Date and time when processing occurred.	2011-11-05T05:25:00Z
20.902-B	NAV	itl:PackageSourceRepresentationRecord/ biom:ProcessAnnotation/	biom:ProcessName	1	1	Name and version of processing algorithm or workstation.	Process name, v2.0
20.902-C	OWN	itl:PackageSourceRepresentationRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	1	1	Organization that developed and/or maintains the processing algorithm, application, or latent workstation.	Process owner
20.902-D	PRO	itl:PackageSourceRepresentationRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	1	1	A description of a biometric process or procedure applied to the sample in this Type-20 record.	A process description
20.903 and 20.904	--------	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/	biom:CaptureDevice	0	1	A set of information regarding the capture device	
20.903	DUI	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceID	0	1	A string uniquely identifying the device or source of the data. This field shall be: 1) Host MAC address (up to 13 characters), identified by the first character "M", or 2) Host processor ID (up to 16 characters), identified by the	P270NEIS67830000

							first character "P".
20.904-A	MAK	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceMakeText	0	1	Make ("0" = information is unknown).	RGT88
20.904-B	MOD	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceModelText	0	1	Model ("0" = information is unknown).	PEARL
20.904-C	SER	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceSerialNumberText	0	1	Serial number ("0" = information is unknown).	2838590029395784-4
20.993	SAN	itl:PackageSourceRepresentationRecord/ biom:SourceMediaDetail/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	0	1	Name of agency referenced in Field 20.004: Source agency/SRC.	AGENCY NAME
20.995	ASC	itl:PackageSourceRepresentationRecord/	biom:AssociatedContext	0	255	Used for record types that have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data.	
20.995-A	ACN	itl:PackageSourceRepresentationRecord/ biom:AssociatedContext/	biom:ContextID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021.	1
20.995-B	ASP	itl:PackageSourceRepresentationRecord/ biom:AssociatedContext/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the associated context data. This same segmentation index value appears in Record Type-21 as Field 21.016. There may be up to 99 segments listed in Field 21.016, but only the relevant segment is contained in this information item.	99
20.996	HAS	itl:PackageSourceRepresentationRecord/	biom:ImageHashValue	0	1	Hash value of data in 20.999: Body part image/DATA.	5108B86727517A02D8A28AEC62E67E05F9AE7E8913A773641D486841FDE8F941
20.999	DATA	itl:PackageSourceRepresentationRecord/	nc:Base64BinaryObject	0	1	Data associated with the record.	mrHbPdrko3u1s7ahtgPBjtmO1s85tfG2U7bpofY94Czu2SbY7d7wF9fQ7ZptgGrtkO2a2dsJ7wZbe8BlzvAmQ7xq+Y94GoHeEsR3ikWd4DIGhzmp3k42d4DRmzs94DKveDTB3hqw6PeBLrtpPep0H/+h
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageAssociatedContextRecord	0	998	Associated context record.	
21.002	IDC	itl:PackageAssociatedContextRecord/	biom:ImageReferenceID	1	1	IDC assigned to this Type-21 record as listed in 1.003.	14
--------	--------	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/	biom:BiometricCapture	1	1	Capture detail.	
		itl:PackageAssociatedContextRecord/				Identifier of agency that created record	

--------	--------	biom:ContextMediaDetail/ biom:BiometricCapture/	biom:CaptureOrganization	1	1	and supplied information contained in it.	
21.004	SRC	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:BiometricCapture/ biom:CaptureOrganization/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	Identifier of agency that created and supplied information contained in the record. The source agency name may be entered in 21.993.	WI013415Y
21.005	ACD	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:BiometricCapture/ biom:CaptureDate/	nc:Date	0	1	Capture date and time of context representation in record.	2011-01-01T05:25
21.015	AFT	itl:PackageAssociatedContextRecord/	biom:ContextFileFormat	1	1	Format of associated context.	
21.015-A	FTY	itl:PackageAssociatedContextRecord/ biom:ContextFileFormat/	biom:ContextFileCategoryText	1	1	Type of file. If the associated context file is a digital file, this shall contain the suffix indicating the file type (e.g., .wav, .txt).	JPG
21.015-B	DEI	itl:PackageAssociatedContextRecord/ biom:ContextFileFormat/	biom:ContextFileDecodingInstructionsText	0	1	Decoding instructions.	
21.016	SEG	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/	biom:ImageSegment	0	99	Segment description.	
21.016-A	ASP	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:ImageSegment/	biom:ImageSegmentID	1	1	Unique index to a segmentation.	99
21.016-B	IPT	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:ImageSegment/	biom:ImageSegmentInternalFileLocationText	1	1	Pointer to the source of data/information. Set to "0" if source representation is a single file.	0
21.016-C	NOP	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:ImageSegment/	biom:PositionPolygonVertexQuantity	0	1	Number of polygon vertices/coordinate pairs.	4
--------	--------	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:ImageSegment/	biom:PositionPolygonVertex	0	99	Segment description.	
21.016-D	HPO	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:ImageSegment/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	1	1	Pixel count to the right of upper left pixel (x coordinate).	100
21.016-E	VPO	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:ImageSegment/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	1	1	Pixel count down from upper left pixel (y coordinate).	15
21.019	TIX	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/	biom:TimeSegment	0	99	Start and end times of video/audio segments within the file.	
21.019-A	TIS	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:TimeSegment/	biom:TimeSegmentStartTime	1	1	Start time (must be greater than the zero time index, which should be clearly indicated on the source unless it is the absolute beginning of the file).	10:34:00.000
21.019-B	TIE	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:TimeSegment/	biom:TimeSegmentEndTime	1	1	End time.	11:55:33.000
21.020	COM	itl:PackageAssociatedContextRecord/	biom:ContextCommentText	0	1	Free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose.	Comment
21.021	ACN	itl:PackageAssociatedContextRecord/	biom:ContextID	1	1	Reference number for the context representation stored in this record.	1
21.902	ANN	itl:PackageAssociatedContextRecord/	biom:ProcessAnnotation	0	∞	Lists the operations performed on the original image source.	
21.902-A	GMT	itl:PackageAssociatedContextRecord/ biom:ProcessAnnotation/	nc:DateTime	1	1	Date and time when processing occurred.	2011-11-05T05:25:00Z

		biom:ProcessUTCDate/					
21.902-B	NAV	itl:PackageAssociatedContextRecord/ biom:ProcessAnnotation/	biom:ProcessName	1	1	Name and version of processing algorithm or workstation.	Process name, v2.0
21.902-C	OWN	itl:PackageAssociatedContextRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	1	1	Organization that developed and/or maintains the processing algorithm, application, or latent workstation.	Process owner
21.902-D	PRO	itl:PackageAssociatedContextRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	1	1	A description of a biometric process or procedure applied to the sample in this Type-21 record.	A process description
21.993	SAN	itl:PackageAssociatedContextRecord/ biom:ContextMediaDetail/ biom:BiometricCapture/ biom:CaptureOrganization/	nc:OrganizationName	0	1	Name of agency referenced in Field 21.004: Source agency/SRC.	AGENCY NAME
21.996	HAS	itl:PackageAssociatedContextRecord/	biom:ImageHashValue	0	1	Hash value of data in 21.999: Body part image/DATA.	5108B86727517A0 2D8A28AEC62E6 7E05F9AE7E8913 A773641D486841 FDE8F941
21.999+	DATA	itl:PackageAssociatedContextRecord/	nc:Base64BinaryObject	0	1	Data associated with the record.	mrHbPdrko3u1s7a htgPBjtmO1s85tfG 2U7bpofY94Czu2 SbY7d7wF9fQ7Zp tgGrtkO2a2dsJ7wZ be8BlzvAmQ7xq+ Y94GoHeEsR3ik Wd4DIGhzmp3k4 2d4DRmzs94DKve DTB3hqw6PeBLrt pPep0H/+h
--------	--------	itl:NISTBiometricInformationExchangePackage	itl:PackageCBEFFBiometricDataRecord	0	998	Biometric data that is not supported by other ANSI/NIST-ITL records. This data is exchanged in a format that conforms to INCITS 398-2005, the Common Biometric Exchange Formats Framework.	
99.002	IDC	itl:PackageCBEFFBiometricDataRecord/	biom:ImageReferenceID	1	1	IDC assigned to this Type-99 record as listed in 1.003.	11
--------	--------	itl:PackageCBEFFBiometricDataRecord/	biom:CBEFFImage	1	1	Image and associated information.	
--------	--------	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:ImageCaptureDetail	0	1	Image capture detail.	
--------	--------	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/	biom:CaptureOrganization	1	1	Identifier of agency that created record and supplied information contained in it.	
99.004	SRC	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	Identifier of agency that created and supplied information contained in the record. The source agency name may be entered in 99.993.	WI013415Y
99.005	BCD	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureDate/	nc:Date	0	1	Capture date of biometric data.	2011-01-01
99.100	HDV	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:CBEFFVersionID	1	1	CBEFF specification to which this record conforms. The format is two characters for major version number followed by two characters for minor version. The version of CBEFF in INCITS 398-2005 is represented by the string '0101' (major version '01' and minor version '01').	101
						Current biometric type codes for	

99.101	BTY	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:CBEFFCategoryCode	1	1	modalities not covered in this standard with specific Record Types assigned to them.	80
99.102	BDQ	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:ImageQuality	0	9	Quality score for biometric data stored in the record.	
99.102-A	QVU	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageQuality/	biom:QualityValue	1	1	Quantitative expression of predicted matching performance of biometric sample. This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality.	100
99.102-B	QAV	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageQuality/	biom:QualityAlgorithmVendorID	1	1	ID of the vendor of the quality algorithm used to calculate the quality score. This value is assigned by IBIA, which maintains the Vendor Registry of CBEFF Biometric Organizations that map the value in this field to a registered organization.	FFF0
99.102-C	QAP	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageQuality/	biom:QualityAlgorithmProductID	1	1	Numeric product code assigned by the vendor of the quality algorithm (may be registered with the IBIA, but registration is not required).	28495
99.103	BFO	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:CBEFFFormatOwnerID	1	1	Identifier of the vendor, standards body, working group, or industry consortium that defined the format of the biometric data (in the BDB). The four hex digits assigned by IBIA shall be represented by a string of four characters, available at http://www.ibia.org/cbeff/_patron.php.	2AF3
99.104	BFT	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:CBEFFFormatCategoryID	1	1	Identifies the value assigned by the format owner to represent the specific BDB Format. This may be a nonstandard, unpublished data format or a data format that has been standardized by an industry group, consortium, or standards body.	5BC1
99.902	ANN	itl:PackageCBEFFBiometricDataRecord/	biom:ProcessAnnotation	0	∞	Lists the operations performed on the original image source.	
99.902-A	GMT	itl:PackageCBEFFBiometricDataRecord/ biom:ProcessAnnotation/ biom:ProcessUTCDate/	nc:DateTime	1	1	Date and time when processing occurred.	2011-11-05T05:25:00Z
99.902-B	NAV	itl:PackageCBEFFBiometricDataRecord/ biom:ProcessAnnotation/	biom:ProcessName	1	1	Name and version of processing algorithm or workstation.	Process name, v2.0
99.902-C	OWN	itl:PackageCBEFFBiometricDataRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	1	1	Organization that developed and/or maintains the processing algorithm, application, or latent workstation.	Process owner
99.902-D	PRO	itl:PackageCBEFFBiometricDataRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	1	1	A description of a biometric process or procedure applied to the sample in this Type-99 record.	A process description
99.903 and 99.904	--------	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/	biom:CaptureDevice	0	1	A set of information regarding the capture device	
99.903	DUI	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceID	0	1	A string uniquely identifying the device or source of the data. This field shall be: 1) Host MAC address (up to 13 characters), identified by the first character "M", or 2) Host processor ID (up to 16 characters), identified by the first character "P".	P270NEIS67830000 0

99.904-A	MAK	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceMakeText	0	1	Make ("0" = information is unknown).	RGT88
99.904-B	MOD	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceModelText	0	1	Model ("0" = information is unknown).	PEARL
99.904-C	SER	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureDevice/	biom:DeviceSerialNumberText	0	1	Serial number ("0" = information is unknown).	2838590029395784-4
99.993	SAN	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	0	1	Name of agency referenced in Field 99.004: Source agency/SRC.	AGENCY NAME
99.995	ASC	itl:PackageCBEFFBiometricDataRecord/	biom:AssociatedContext	0	255	Used for record types that have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data.	
99.995-A	ACN	itl:PackageCBEFFBiometricDataRecord/ biom:AssociatedContext/	biom:ContextID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021.	1
99.995-B	ASP	itl:PackageCBEFFBiometricDataRecord/ biom:AssociatedContext/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the associated context data. This same segmentation index value appears in Record Type-21 as Field 21.016. There may be up to 99 segments listed in Field 21.016, but only the relevant segment is contained in this information item.	99
99.996	HAS	itl:PackageCBEFFBiometricDataRecord/	biom:ImageHashValue	0	1	Hash value of data in 99.999: Body part image/DATA.	5108B86727517A02D8A28AEC62E67E05F9AE7E8913A773641D486841FDE8F941
99.997	SOR	itl:PackageCBEFFBiometricDataRecord/	biom:SourceInformation	0	255	Used for Type-99 records that contain a biometric sample derived from a source representation in Record Type-20.	
99.997-A	SRN	itl:PackageCBEFFBiometricDataRecord/ biom:SourceInformation/	biom:SourceID	1	1	An index (sequentially assigned positive integer starting from one and incremented by one) to the particular Type-20 record containing the source representation from which the biometric data was derived. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021.	200
99.997-B	RSP	itl:PackageCBEFFBiometricDataRecord/ biom:SourceInformation/	biom:ImageSegmentID	0	1	An index to a particular set of segmentation coordinates of the source representation. This same segmentation index value appears in Field 20.016; there may be up to 99 segments listed in Field 20.016, but only the appropriate segment is identified in this information item.	25

99.999+	DATA	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	nc:Base64BinaryObject	1	1	Contains the CBEFF Biometric Data Block (BDB).	mrHbPdrko3u1s7a htgPBjtmO1s85tfG 2U7bpofY94Czu2 SbY7d7wF9fQ7Zp tgGrtkO2a2dsJ7wZ be8BlzvAmQ7xq+ Y94GoHeEsR3ik Wd4DIGhzmp3k4 2d4DRmzs94DKve DTB3hqw6PeBLrt pPep0H/+h