

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----		itl:NISTBiometricInformationExchangePackage	1	1	A biometric information exchange package representing one biometric transaction	
-----	-----		itl:PackageInformationRecord	1	1	A Type-1 transactional information record	
1.001	RCC	itl:PackageInformationRecord/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	1
-----	-----	itl:PackageInformationRecord/	ansi-nist:Transaction	1	1	A transaction being transmitted	
1.005	DAT	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionDate/ nc:Date	1	1	A date the transaction was sent by the user	2007-01-01
1.007	DAI	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionDestinationOrganization	1	1	An organization to which the transaction is being sent	
-----	-----	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionDestinationOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	1	1	An identification that references an organization.	WI013415Y
1.008	ORI	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionOriginatingOrganization	1	1	An organization originating the transaction	
-----	-----	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionOriginatingOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	1	1	An identification that references an organization.	DCFBWAA4
1.014	GMT	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionUTCDate/ nc:DateTime	0	1	A date and time of the transaction in universal Greenwich Mean Time (GMT) units	2007-01-01T00:00:01Z
1.009	TCN	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionControlIdentification/ nc:IdentificationID	1	1	An identification of a transaction determined by the originating agency	5683956839
1.010	TCR	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionControlReferenceIdentification/ nc:IdentificationID	0	1	An identification of an original transaction control number (TCN) of a request, used in a transaction response	1234567890
1.013	DOM	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionDomain	1	1	A domain for the user-defined Type-02 logical record implementation	

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-----	DVN	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionDomain/	ansi-nist:DomainVersionNumberIdentification/ nc:IdentificationID	1	1	An identification of a version of a domain for a user-defined Type-2 descriptive record implementation	EBTS 10.0
-----	DNM	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionDomain/	ansi-nist:TransactionDomainName	1	1	A name of the agency, entity, or implementation used for formatting the content of the transaction	NORAM
1.016	APS	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionApplicationProfile	0	99	An application profile specification that is derived from ANSI/NIST-ITL 1-2011, such as EBTS or INT-I	
-----	APO	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionApplicationProfile/	ansi-nist:ApplicationProfileOrganizationName	1	1	A name of an agency or entity responsible for the specification of an application profile	DoD
-----	APN	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionApplicationProfile/	ansi-nist:ApplicationProfileName	1	1	A name of an application profile specification	EBTS
-----	APV	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionApplicationProfile/	ansi-nist:ApplicationProfileVersionIdentification/ nc:IdentificationID	1	1	An identification of a version of an application profile specification	3.0
-----	-----	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionImageResolutionDetails	1	1	A set of resolution values in pixels per mm for a transaction	
1.011	NSR	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionImageResolutionDetails/	ansi-nist:NativeScanningResolutionValue	1	1	A native resolution of transaction originator's scanning equipment, in pixels per mm	19.69
1.012	NTR	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionImageResolutionDetails/	ansi-nist:NominalTransmittingResolutionValue	1	1	A transaction's transmitting resolution, in pixels per mm	19.69
1.002	VER	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionMajorVersionValue	1	1	A current major version number of the ANSI/ NIST-ITL standard implemented by the software or system creating the file. Always "05" for this version of the standard	05

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-----	-----	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionMinorVersionValue	1	1	A current minor version number of the ANSI/ NIST-ITL standard implemented by the software or system creating the file. Always "00" for this version of the standard	00
1.006	PRY	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionPriorityValue	0	1	An urgency with which transaction response is expected (1 is high, 9 is low)	5
1.004	TOT	itl:PackageInformationRecord/ ansi-nist:Transaction/	ebts:TransactionCategoryCode	1	1	An element to indicate the type of transaction defined by receiving agency.	CAR
1.003	CNT	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionContentSummary	1	1	A summary of the record contents being transmitted	
-----	FRC	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionContentSummary/	ansi-nist:ContentFirstRecordCategoryCode	1	1	A kind of first record; always 1	1
-----	CRC	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionContentSummary/	ansi-nist:ContentRecordQuantity	1	1	A total number of records in the transaction, not counting the Type-1 record	12
-----	-----	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionContentSummary/	ansi-nist:ContentRecordSummary	1	*	A summary of the contents of one record in the transaction other than the Type-1 transaction record	
-----	IDC	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionContentSummary/ ansi-nist:ContentRecordSummary/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	00
-----	RCC	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionContentSummary/ ansi-nist:ContentRecordSummary/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	02
1.015	DCS	itl:PackageInformationRecord/ ansi-nist:Transaction/	ansi-nist:TransactionCharacterSetDirectory	0	1	A character set other than 7-bit ASCII used in this transaction	

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-----	CSN	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionCharacterSetDirectory/	ansi-nist:CharacterSetCommonNameCode	1	1	A common name for the character set associated with the index number that references an associated character set throughout a transaction	UTF-8
-----	CSI	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionCharacterSetDirectory/	ansi-nist:CharacterSetIndexCode	1	1	A character set index number that references an associated character set throughout a transaction	0
-----	CSV	itl:PackageInformationRecord/ ansi-nist:Transaction/ ansi-nist:TransactionCharacterSetDirectory/	ansi-nist:CharacterSetVersionIdentification/ nc:IdentificationID	0	1	An identification of a version number of a character set	000
-----	-----		itl:PackageDescriptiveTextRecord	1	*	A Type-2 descriptive record	
2.001	RCC	itl:PackageDescriptiveTextRecord/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	02
2.002	IDC	itl:PackageDescriptiveTextRecord/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	00
2.005	RET	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ansi-nist: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
2.007	SCO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ansi-nist:RecordForwardOrganizations/ nc:OrganizationIdentification/	0	9	A list of organization identifiers that additional electronic responses need to be forwarded to	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ansi-nist:RecordForwardOrganizations/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	An identification that references an organization.	WV1000000
2.070	RAP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ansi-nist:RecordRapSheetRequestIndicator	0	1	True if an electronic rap sheet should be returned with the response; false otherwise	true

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2.2051	HNOTI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:HitNotificationRequestIndicator	0	1	True if a record should be marked for hit notification; false if a potential match against the associated record should not generate a UHN.	true
2.006	ATN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	nc:CaveatText	0	1	A warning or caution.	SA J Q DOE, RM 11867
2.2072	POC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordPointOfContact	0	1	A 24/7 Point of contact for the biometric/identity.	
2.2072A	NAM	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordPointOfContact/	ebts:PointOfContactName	1	1	A name of a contact organization or person.	Agency Call Center
2.2072B	PHONE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordPointOfContact/ nc:OrganizationPrimaryContactInformation/ nc:ContactTelephoneNumber/	nc:FullTelephoneNumber/ nc:TelephoneNumberFullID	1	1	A full telephone number.	555-123-1234
2.2046	TLI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:TierLevelCode	0	1	A code indicating the appropriate level of dissemination for a retained identity.	1
2.062	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordBiometricImageCategoryCode	0	1000	An element that indicates the type of image included in an electronic latent submittal to identify the Type-7 or Type-13 record(s) present	
2.067	IMA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordImageCaptureDetail	0	1	A description of the Capture Device Details.	
2.067A	MAK	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordImageCaptureDetail/	ansi-nist:CaptureDeviceMakeText	1	1	A make of an image capture device	DBI

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2.067B	MODL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordImageCaptureDetail/	ansi-nist:CaptureDeviceModelText	1	1	A model of an image capture device	1134
2.067C	SERNO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordImageCaptureDetail/	ansi-nist:CaptureDeviceSerialNumberText	1	1	A serial number of the image capture device	2838590029 395784-4
2.098	NDR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordFBIRepositoryCode	0	10	A code designation of the repository(ies) to be searched.	1
2.2010	NIR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordImagesRequestedQuantity	0	1	A number that indicates how many image records are being requested.	1
2.095	RFR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordFeaturesRequestIndicator	0	1	True if user desires to have NGI return a Type-9 features record associated with an image requested, false otherwise.	true
2.096	RPR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordPhotoRequestIndicator	0	1	True if user desires to have NGI return a Type-10 photo record if one is on file and disseminable, false otherwise.	true
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordRapBackData	0	1	A logical data record containing rap back fields which provide identification and descriptive information associated with the Subscriber's Rap Back Subscription(s).	
2.2062	RBNF	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackActivityNotificationFormatCode	0	1	A code indicating the type of rap back activity notification	2
2.2041	RBNI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackActivityNotificationID	0	10	An identification for future reported event matches for rap back.	123456

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2.2070	RBATN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackAttentionText	0	1	Attention information to link future Rap Back Activity Notifications to the right person or section within the subscribing entity.	DET J Q PU BLIC
2.2065	RBC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackCategoryCode	0	1	A code indicating the category of the rap back subscription.	F
2.2067	RBDI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackDisclosureIndicator	0	1	True if the Criminal Rap Back Subscription information should be included as Identity History Summary information; false otherwise.	true
2.2015	RBXD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackExpirationDate/ nc:Date	0	1	A date a Rap Back Subscription expires under the Subscriber's Privacy Strategy.	2010-02-24
2.2068	DTR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	nc:DateRange	0	1	A time period measured by a starting and ending point.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ nc:DateRange/	nc:StartDate/ nc:Date	1	1	A date on which something begins.	2013-01-01
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ nc:DateRange/	nc:EndDate/ nc:Date	1	1	An end date.	2015-12-31
2.2063	RBOO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackInStateOptOutIndicator	0	1	True if Submitter wishes to opt-out of receiving notifications for events originating within the submitter's own state; false otherwise	false

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2.2020	RBR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ansi-nist:RecordForwardOrganizations/ nc:OrganizationIdentification/	0	9	A list of organization identifiers that additional electronic responses need to be forwarded to	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ansi-nist:RecordForwardOrganizations/ nc:OrganizationIdentification/	nc:IdentificationID	1	1	An identification that references an organization.	WV1000000
2.2047	RAR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:ReturnAllRecordsIndicator	0	1	Indicates whether a search returns all subscriptions that are routed through the sending ORI.	true
2.2054	RBSD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackSubscriptionDate/ nc:Date	0	1	The Date a rap back subscription was created.	2011-01-25
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.	123456
2.2050	RBSL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackSubscriptionListText	0	1	An element that represents a list of Rap Back Subscriptions that have been enrolled into the Rap Back program.	ASCII Text Data in a CSV format
2.2071	RBST	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackSubscriptionTerm	0	1	A representation of the length of a Rap Back Subscription Term.	5
2.2049	RBTD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackTermDate/ nc:Date	0	1	A date identifying the end of the fee paid by the Subscriber.	2015-01-01
2.2040	RBT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackTriggeringEventCode	0	40	A code identifying the type of rap back triggering event.	7

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2.2064	RBUD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:RecordRapBackUserDefinedElement	0	10	A relationship of a user-defined rap back field name and rap back field text for a rap back record.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:RecordRapBackUserDefinedElement/	ebts:UserDefinedElementName	1	1	A name of a user-defined element.	Element Name
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:RecordRapBackUserDefinedElement/	ebts:UserDefinedElementText	1	1	A description of a user-defined element.	Element information
2.2039	RBMI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:TransactionRapBackMaintenanceCode	0	1	A code indicating the type of maintenance action being requested for a Rap Back Maintenance Request.	A
2.2069	RBTEd	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/	ebts:TransactionRapBackTriggeringEvent	0	10	An event that triggered a Rap Back Notification.	
2.2069A	DORBE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:TransactionRapBackTriggeringEvent/	ebts:RapBackEventDate/ nc:Date	1	1	A date that a Rap Back Triggering Event occurred.	2013-03-29
2.2069B	RBT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:TransactionRapBackTriggeringEvent/	ebts:RapBackTriggeringEventCode	0	1	A code identifying the type of Rap Back Triggering Event.	7
2.2069C	RBEI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordRapBackData/ ebts:TransactionRapBackTriggeringEvent/	ebts:RapBackEventText	0	1	Information about a Rap Back Triggering Event.	Event that triggered the rap back
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordTransactionData	0	1	A Record Transaction section of an EBTS Record.	

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2.042	MIL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ansi-nist:TransactionSubmissionMilitaryCode	0	1	A branch of the United States Military that submitted the enlistment transaction	M
2.2052	MAI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionMaintenanceActionCode	0	1	A code to indicate what maintenance operation is being requested in a maintenance type transaction	REPLACE
2.088	NOT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionDescriptionText	0	1	A description of additional information regarding electronic submissions.	THIS FREE-TEXT FIELD IS USED TO PROVIDE ADDITIONAL INFORMATION REGARDING ELECTRONIC LATENT SUBMISSIONS
2.057	FNR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionFingerprintImagesRequested/ ansi-nist:FingerPositionCode	0	13	An element that contains the finger numbers for which image information is requested, used in transactions involving a request for fingerprint image information.	6
2.072	FIU	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionFingerprintImagesUpdated/	ansi-nist:FingerPositionCode	0	13	A finger position code	2
2.2030	PPD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionPrintPositionDescriptors	0	10	A description of a fingerprint's probable position, to allow transactions to reference EJI or Tip images.	
2.2030A	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionPrintPositionDescriptors/	ansi-nist:FingerPositionCode	1	1	A finger position code	10

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2.2030B	FIC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionPrintPositionDescriptors/	ebts:FingerImageCode	1	1	A portion of the EJI or tip image in the database to search	EJI
2.079	NCR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionImagesRequestedQuantity	0	1	An element that contains the maximum number of candidates the submitter desires to receive in response to a search. If the field is left blank, only images for the highest scoring candidate will be returned.	20
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionBiometricImagesRequested/	0	1	A list of requested biometric images.	
2.2028	BID	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/	ebts:BiometricImageDescription	0	1000	A description to allow positive identification of a specific biometric image	
2.2028A	SI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	j:PersonFBIIdentification/ nc:IdentificationID	1	1	A number issued by the FBI's Automated Fingerprint Identification System (AFIS) based on submitted fingerprints.	WV234552
2.2028B	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	ebts:BiometricImageCategoryCode	0	1	A kind of biometric image.	LJP
2.2028C	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	ebts:BiometricSetID	0	1	An identifier to uniquely identify a fingerprint set, palm print set, or a supplemental print set	123345442

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2.2028D	FNR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	ansi-nist:FrictionRidgePositionCode	0	1	A friction ridge position code	19
2.2028E	PPD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	ebts:PrintPositionDescriptors	0	1	A description of the probable area of the finger represented in a fingerprint image.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/ ebts:PrintPositionDescriptors/	ansi-nist:FingerPositionCode	1	1	A finger position code	2
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/ ebts:PrintPositionDescriptors/	ebts:FingerImageCode	1	1	An element to indicate the code for the EJI or tip image that is a part of the transaction	MED
2.2028F	POS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	ansi-nist:FacelImageSubjectPoseCode	0	1	A pose of a subject	F
2.2028G	SMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionBiometricImagesRequested/ ebts:BiometricImageDescription/	nc:PhysicalFeatureCategoryCode	0	1	A specific kind of physical feature.	ART ARM
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionResponseData	0	1	An element that contains response information to a EBTS Transaction.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:BiometricImageList	0	1	An element that represents a candidate list that provides biometric capture dates for all facial and SMT photos for each subject.	
2.2073	BIL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:BiometricImageList/	ebts:CandidateImage	1	1000	An identification of the necessary identifiers to retrieve facial and SMT photos for a subject in the candidate list.	
2.2073A	SI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:BiometricImageList/ ebts:CandidateImage/	j:PersonFBIIdentification/ nc:IdentificationID	1	1	A number issued by the FBI's Automated Fingerprint Identification System (AFIS) based on submitted fingerprints.	62760NY12
2.2073B	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:BiometricImageList/ ebts:CandidateImage/	ebts:BiometricSetID	1	1	An identifier to uniquely identify a fingerprint set, palm print set, or a supplemental print set	1234567
2.2073C	BCD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:BiometricImageList/ ebts:CandidateImage/	nc:BiometricCaptureDate/ nc:Date	1	1	A date a biometric sample was collected.	2001-02-12
2.2073D	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:BiometricImageList/ ebts:CandidateImage/	ebts:RecordBiometricImageCategoryCode	1	1	An element that indicates the type of image included in an electronic latent submittal to identify the Type-7 or Type-13 record(s) present	FP
2.2024	HTI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionHitCategoryCode	0	1	A kind of identification category for a hit response.	RISC

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.080	EXP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ansi-nist:TransactionReasonText	0	1	A further explanation of the reason for rejecting the transaction	PHOTO NOT FOUND FOR SPECIFIED DOA DOS
2.071	ACN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionActionText	0	1	An element that includes text answers to submission requests to indicate that a latent case will be established or to indicate recommendations for further actions in either latent or ten-print responses.	IF NON-IDENT, SUBMIT TO UNSOLVED LATENT FILE
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionAuditTrailRecordList	0	1	A data type for containing 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	1	100	An element for containing information associated with the dissemination of a Record owner's image	
2.2032A	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
2.2032B	DAT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ebts:RecordDisseminationDate/ nc:Date	1	1	A date a record was disseminated.	2001-02-12

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.2032C	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
2.2032D	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ebts:BiometricSetID	0	1	An identifier to uniquely identify a fingerprint set, palm print set, or a supplemental print set	234556545
2.2032E	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ebts:BiometricImageCategoryCode	0	1	A kind of biometric image.	TP
2.2032F	FNR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ansi-nist:FrictionRidgePositionCode	0	1	A friction ridge position code	19
2.2032G	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.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/ ebts:PrintPositionDescriptors/	ansi-nist:FingerPositionCode	1	1	A finger position code	2

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/ ebts:PrintPositionDescriptors/	ebts:FingerImageCode	1	1	An element to indicate the code for the EJI or tip image that is a part of the transaction	DST
2.2032H	POS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	ansi-nist:FacelImageSubjectPoseCode	0	1	A pose of a subject	F
2.2032I	SMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionAuditTrailRecordList/ ebts:AuditTrailRecord/	nc:PhysicalFeatureCategoryCode	0	1	A specific kind of physical feature.	ART 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 / 2.064	CNL / CAN	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.	
2.2033A / 2.064A	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 the FBI's Automated Fingerprint Identification System (AFIS) based on submitted fingerprints.	62760NY12

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.2033B / 2.064B	NAM	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:PersonName	0	1	A name of a person.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/ ebts:PersonName/	nc:PersonGivenName	0	1	A first name of a person.	ANTHONY
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/ ebts:PersonName/	nc:PersonMiddleName	0	1	A middle name of a person.	PAUL
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/ ebts:PersonName/	nc:PersonSurName	1	1	A last name or family name of a person.	JONES
2.2033C	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:BiometricSetID	0	1	An identifier to uniquely identify a fingerprint set, palm print set, or a supplemental print set	1234567
2.2033D	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 image included in an electronic latent submittal to identify the Type-7 or Type-13 record(s) present	FP

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.2033E	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ansi-nist:FrictionRidgePositionCode	0	1	A friction ridge position code	19
2.2033F	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.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/ ebts:PrintPositionDescriptors/	ansi-nist:FingerPositionCode	1	1	A finger position code	2
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/ ebts:PrintPositionDescriptors/	ebts:FingerImageCode	1	1	An element to indicate the code for the EJI or tip image that is a part of the transaction	MED
2.2033G / 2.089	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 from AFIS for a candidate list response.	1200
2.2033H	BIA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:BiometricImageAvailableCode	0	6	An element listing a kind biometric image available for a given subject.	FP

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.2033I	NDR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ebts:RecordFBIRepositoryCode	0	100	A code designation of the repositories to be searched.	9
2.2033J	IDC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	0	1	An identification of a particular record in a transaction	01
2.2033K	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
2.2033L	POS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	ansi-nist:FacelImageSubjectPoseCode	0	1	A pose of a subject	F
2.2033M	SMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionCandidateList/ ebts:Candidate/	nc:PhysicalFeatureCategoryCode	0	1	A specific kind of physical feature.	ART ARM
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.	10

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	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:RepositoryCriminalParameterPercent	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:RepositoryCivilParameterPercent	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

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionRepositoryResponse/ ebts:TransactionRepositoryResponseRecord/	ebts:RepositoryCombinedParameterPercent	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
2.082	REC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionResponseIndicator	0	1	True if the request contains no errors, false otherwise. This field is used in the PDR and PRR transactions to indicate the status of the corresponding request.	true
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.	1
2.060	MSG	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionStatusText	0	1000	An element that contains reason, status or error messages that are generated as a result of the processing of a transaction.	MATCH MADE AGAINST SUBJECTS FINGERPRINTS ON 05/01/94. PLEASE NOTIFY SUBMITTING STATE IF MATCH RESULTS
2.2023	SII	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionSupplementaryIdentityInformationText	0	1	An element to allow inclusion of additional identity information regarding a subject	Subject's supplemental identity information goes here
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	Subject's Rap Sheet goes here
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/	ebts:TransactionBiometricImageEnrollmentRecordList	0	1	A list of information associated with the enrolled biometric images	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.2061	BIE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionBiometricImageEnrollmentRecordList/	ebts:BiometricImageEnrollmentRecord	0	61	A record containing information associated with the enrollment of an image	
2.2061A	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionBiometricImageEnrollmentRecordList/ ebts:BiometricImageEnrollmentRecord/	ebts:BiometricSetID	1	1	An identifier to uniquely identify a fingerprint set, palm print set, or a supplemental print set	1234567
2.2061B	IMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionBiometricImageEnrollmentRecordList/ ebts:BiometricImageEnrollmentRecord/	ebts:BiometricImageCategoryCode	1	1	A kind of biometric image.	PHF
2.2061C	POS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionBiometricImageEnrollmentRecordList/ ebts:BiometricImageEnrollmentRecord/	ansi-nist:FacelImageSubjectPoseCode	0	1	A pose of a subject	F
2.2061D	SMT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/ ebts:TransactionResponseData/ ebts:TransactionBiometricImageEnrollmentRecordList/ ebts:BiometricImageEnrollmentRecord/	nc:PhysicalFeatureCategoryCode	0	1	A specific kind of physical feature.	TAT R ARM
2.044	GEO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionSearchAreaCode	0	5	An element that indicates the geographic area to be searched.	WV
2.043	TSR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionSearchRequestCategoryCode	0	1	An element that indicates the type of record being submitted.	P

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.083 / 2.2034	ULF / ULR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionData/	ebts:TransactionUnsolvedLatentFileIndicator	0	1	True if latent image or features record in search should be added to or retained in the Unsolved Latent File, otherwise false.	true
-----	-----	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.	
2.037	RFP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	nc:ActivityReasonText	0	1	A reason for an activity.	LAW ENFORCEMENT
2.2035	EVI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:EnrollmentEventID	0	1	An identifier to uniquely identify a specific enrollment event during FIS processing. An EVI may have multiple BSI sets associated with a specific event.	1234135
2.056	ICO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	j:SubjectOffenderNoticeText	0	1	Additional information associated with a subject.	ARMED AND DANGEROUS
2.045	DOA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:ArrestDate/ nc:Date	0	1	A date that a Subject was arrested	1995-03-24
2.046	DOS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:ArrestDateSuffixCode	0	1	A suffix to uniquely identify an arrest on a given Date Of Arrest (DOA)	L
2.009	OCA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	nc:CaseTrackingID	0	1	An identifier used to track a case.	Q880312465
2.053	OFC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:OffenseCategoryCode	0	1	A code that indicates the type of offense.	3

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:CriminalCycle	0	40	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	
2.047A	DOO	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:ArrestOffenseData/	ebts:OffenseDate/ nc:Date	0	1	A date of offense for a particular Arrest	1995-03-24
2.047B	AOL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:ArrestOffenseData/	j:ChargeText	1	1	The text of a charge.	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	
2.051A	CDD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:CourtDispositionData/	nc:DispositionDate/ nc:Date	0	1	A date a disposition occurred.	2011-03-25
2.051B	COL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:CourtDispositionData/	j:ChargeText	1	1	The text of a charge.	DUI

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.051C	CPL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:CourtDispositionData/	nc:DispositionText	1	1	A result or outcome of a disposition.	5 DAYS JAIL
2.051D	CDN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:CourtDispositionData/	ebts:DispositionCategoryCodeText	1	1	A code to express the definitive disposition information about a Subject for a particular Arrest	CONVICTED
2.051E	CCT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CriminalCycle/ ebts:CourtDispositionData/	ebts:CourtCountNumber	0	1	An identification of a court count.	02
-----	-----	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/	nc:StartDate/ nc:Date	0	1	A date on which something begins.	2011-11-09
2.2100	SED	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/	nc:EndDate/ nc:Date	0	1	An end date.	2020-11-08
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/	ebts:SupervisionStatus	0	1	A status of the supervised release about a Subject for a particular Arrest	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.055	SLE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/ ebts:SupervisionStatus/	nc:StatusText	0	1	A status or condition of something or someone.	RELEASED BY COURT ORDER
2.2101	SST	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/ ebts:SupervisionStatus/	ebts:SupervisionStatusCode	0	8	A status of the supervised release about a Subject for a particular Arrest	BLS
2.2104	SRA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/	ebts:SupervisedReleaseActionCode	0	1	A Code to express the supervised release action that should be performed on the Subject Record for a particular Arrest	CAS
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.
2.2103	STT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:CustodySupervisoryData/	ebts:SupervisionReceivingOrganizationID	0	1	An identifier containing the ORI for the agency to which supervision is being transferred	WI013415Y
2.073	CRI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:RecordControllingAgency	0	3	An identification that contains the originating agency identifier (ORI) of the organization controlling the transaction.[CRI]	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:RecordControllingAgency/	nc:OrganizationIdentification/ nc:IdentificationID	1	1	An identification that references an organization.	NY0303000

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.086	SCNA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:AFISSegmentControlID	0	1	An identifier used by AFIS/FBI to allow tracking of or reference to specific transactions.	3124
2.2029	BSI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:BiometricSetID	0	1000	An identifier to uniquely identify a fingerprint set, palm print set, or a supplemental print set	1234567
2.061	CST	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	nc:CaseTitleText	0	1	An official name of a case.	ARMED ROBBERY FIRST COUNTY
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.	
2.010A	CIN_PRE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:ContributorCaseIdentificationNumber/	ebts:ContributorCasePrefixIdentification/ nc:IdentificationCategoryText	1	1	A description of the Contributor Case number.	Investigation Number
2.010B	CIN_ID	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:ContributorCaseIdentificationNumber/	ebts:ContributorCaseIdentification/ nc:IdentificationID	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:ContributorCaseExtensionIdentification/ nc:IdentificationID	0	1	An element that supplements the Case Identifier Number, allowing multiple searches to be associated with the same case.	0001
2.003	FFN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:FBIFileNumber/ nc:IdentificationID	0	1	An identification representing the FBI Investigative File Number.	2537597861
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:FBILatentCaseIdentification	0	1	An identification for a FBI latent case number.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.012	LCN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:FBILatentCaseIdentification/	ebts:FBILatentCaseNumber/ nc:IdentificationID	1	1	An identification assigned by the FBI and used for record keeping purposes.	MX-12345678
2.013	LCX	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/ ebts:FBILatentCaseIdentification/	ebts:FBILatentCaseNumberExtension/ nc:IdentificationID	1	1	An identification that defines subsequent extensions assigned by the FBI for each submission related to a Latent Case Number.	00001
2.2022	CIDN	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordTransactionActivity/	ebts:ContributorAssignedIdentificationNumber/ nc:IdentificationID	0	1	An identifier assigned to a single biographic search by the contributor.	ALA3459876
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/	ebts:RecordSubject	0	1	An element that contains information used to identify the subject of a record transaction.	
2.023	AGR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonAgeMeasure	0	1	A measurement of the age of a person.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonAgeMeasure/	nc:MeasureRangeValue	0	1	A measurement specified by a minimum and maximum value.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonAgeMeasure/ nc:MeasureRangeValue/	nc:RangeMinimumValue	0	1	A minimum value of a range.	25
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonAgeMeasure/ nc:MeasureRangeValue/	nc:RangeMaximumValue	0	1	A maximum value of a range.	30
2.019	AKA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonAlternateName	0	10	An alternate name or alias of a person.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonAlternateName/	nc:PersonGivenName	0	1	A first name of a person.	TONY
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonAlternateName/	nc:PersonMiddleName	0	1	A middle name of a person.	P
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonAlternateName/	nc:PersonSurName	1	1	A last name or family name of a person.	JONES
-----	Future Capability	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonAlternateName/	ebts:PersonFourthImportanceName	0	1	Future Capability	Future Capability
-----	Future Capability	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonAlternateName/	ebts:PersonFifthImportanceName	0	1	Future Capability	Future Capability
2.022	DOB	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonBirthDate/ nc:Date	0	5	A date a person was born.	1977-08-25
2.021	CTZ	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonCitizenshipCode	0	10	A code that indicates a person's country of citizenship	US
2.031	EYE	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonEyeColorCode	0	1	A color of the eyes of a person.	BLU
2.032	HAI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonHairColorCode	0	1	An element that represents the larger set of ansi-nist person hair color codes.	BRO

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.027	HGT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonHeightMeasure	0	1	A measurement of the height of a person.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonHeightMeasure/	nc:MeasurePointValue	1	1	A specific measurement value.	601
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonHeightMeasure/	nc:MeasureUnitText	1	1	A unit that qualifies the measurement value.	FeetInches
2.028	HTR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonHeightMeasure	0	1	A measurement of the height of a person.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonHeightMeasure/	nc:MeasureRangeValue	1	1	A measurement specified by a minimum and maximum value.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonHeightMeasure/ nc:MeasureRangeValue/	nc:RangeMinimumValue	1	1	A minimum value of a range.	600
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonHeightMeasure/ nc:MeasureRangeValue/	nc:RangeMaximumValue	1	1	A maximum value of a range.	603
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonHeightMeasure/	nc:MeasureUnitText	1	1	A unit that qualifies the measurement value.	FeetInches

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.018	NAM	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonName	0	1	A name of a person.	
2.018 B / 2.2002	NAM2	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonName/	nc:PersonGivenName	0	1	A first name of a person.	ANTHONY
2.018 C / 2.2003	NAM3	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonName/	nc:PersonMiddleName	0	1	A middle name of a person.	PAUL
2.018 A / 2.2001	NAM1	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonName/	nc:PersonSurName	1	1	A last name or family name of a person.	JONES
2.2004	Future Capability NAM4	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonName/	ebts:PersonFourthImportanceName			Future Capability	Future Capability
2.2005	Future Capability NAM5	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonName/	ebts:PersonFifthImportanceName			Future Capability	Future Capability
2.017	MNU	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonOtherIdentification	0	4	Information about an identifier with a kind that is not explicitly defined in the standard that refers to a person within a certain domain.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonOtherIdentification/	nc:IdentificationID	1	1	A value that identifies something.	1234567890 P
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonOtherIdentification/	ebts:PersonIDCategoryCode	1	1	An element to indicate the category of Miscellaneous Identification provided for a Person	PP
-----	-----	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/	nc:PhysicalFeatureCategoryCode	0	10	A specific kind of physical feature.	TAT R ARM
2.2058	SMD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/	ansi-nist:PhysicalFeatureDescriptionDetail	0	9	A complete description of scars, marks, or tattoos visible in a transmitted image	
2.2059	TCL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ ansi-nist:PhysicalFeatureDescriptionDetail/	ansi-nist:PhysicalFeatureColorDetail	0	1	A set of colors of a physical feature	
2.2059A	TC1	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ ansi-nist:PhysicalFeatureDescriptionDetail/ ansi-nist:PhysicalFeatureColorDetail/	ansi-nist:PhysicalFeaturePrimaryColorCode	1	1	A primary color of a tattoo in an image	RED
2.2059B	TC2	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ ansi-nist:PhysicalFeatureDescriptionDetail/ ansi-nist:PhysicalFeatureColorDetail/	ansi-nist:PhysicalFeatureSecondaryColorCode	0	5	A secondary color of a tattoo in an image	WHITE

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.2058A	SMI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ ansi-nist:PhysicalFeatureDescriptionDetail/	ansi-nist:PhysicalFeatureCategoryCode	1	1	A kind of physical feature, e.g. a scar, a mark, or a tattoo	TATTOO
2.2058B	TAC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ ansi-nist:PhysicalFeatureDescriptionDetail/	ansi-nist:PhysicalFeatureClassCode	0	1	A human tattoo class of an SMT, OTHER if not tattoo	FLAG
2.2058D	TDS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ ansi-nist:PhysicalFeatureDescriptionDetail/	ansi-nist:PhysicalFeatureDescriptionText	0	1	A description of a physical feature	I LOVE USA
2.2058C	TSC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ ansi-nist:PhysicalFeatureDescriptionDetail/	ansi-nist:PhysicalFeatureSubClassCode	0	1	A human tattoo subclass of an SMT, MISC if not tattoo	USA
2.2055	SMS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/	ansi-nist:PhysicalFeatureSize	0	1	A size of a scar, mark, or tattoo	
-----	HGT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ ansi-nist:PhysicalFeatureSize/	ansi-nist:PhysicalFeatureHeightMeasure	1	1	A feature's height in whole centimeters	5
-----	WID	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonPhysicalFeature/ ansi-nist:PhysicalFeatureSize/	ansi-nist:PhysicalFeatureWidthMeasure	1	1	A feature's width in whole centimeters	7
2.025	RAC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonRaceCode	0	1	A classification of a person based on factors such as geographical locations and genetics.	W

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.024	SEX	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonSexCode	0	1	An element that represents the larger set of EBTS gender codes as a substitution for niem-core element PersonSex.	M
2.016	SOC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonSSNIidentification/ nc:IdentificationID	0	4	A unique reference to a living person; assigned by the United States Social Security Administration.	220-56-5855
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.	NY12345678
2.029	WGT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:PersonWeightMeasure/ nc:MeasurePointValue	0	1	A measurement of the weight of a person in pounds.	182
2.030	WTR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonWeightMeasure/	nc:PersonWeightMeasure/ nc:MeasureRangeValue	0	1	A measurement specified by a minimum and maximum value.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonWeightMeasure/ nc:MeasureRangeValue/	nc:RangeMinimumValue	1	1	A minimum value of a weight range in pounds.	175
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:PersonWeightMeasure/ nc:MeasureRangeValue/	nc:RangeMaximumValue	1	1	A maximum value of a weight range in pounds.	185
2.020	POB	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonBirthPlaceCode	0	1	A code that indicates a person's place of birth	VA
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 that is determined to be different than the date of birth in the record of the identified subject.	2008-04-22

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.2008	SNAM	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonSubmittedName	0	1	A name as provided in a submission that is determined to be different than the name of record of an identified subject.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonSubmittedName/	nc:PersonGivenName	0	1	A first name of a person.	JOHN
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonSubmittedName/	nc:PersonMiddleName	0	1	A middle name of a person.	Q
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonSubmittedName/	nc:PersonSurName	1	1	A last name or family name of a person.	DOE
2.014	FBI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	j:PersonFBIIdentification/ nc:IdentificationID	0	1000	A Universal Control Number, issued by the FBI to uniquely identify an identity.	62760NY12
2.2021	IFS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	j:PersonFirearmSalesDisqualifiedCode	0	1	A status of person's eligibility to purchase firearms.	D
2.2037	ESI	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:ExternalSubjectID	0	1000	An identification of a subject from an external system that represents a distinct identity.	DHS123457
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

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
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
2.035	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
2.2031	BIA	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:BiometricImageAvailableCode	0	6	An element listing a kind biometric image available for a given subject.	FP
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonGeneralizedFrictionRidgePositions	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:PersonGeneralizedFrictionRidgePositions/	nc:BiometricCaptureDate/ nc:Date	0	1	A date a biometric sample was collected.	1995-03-24
2.074	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonGeneralizedFrictionRidgePositions/	ansi-nist:FrictionRidgePositionCode	1	10	A friction ridge position code	36
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonFingerprintSet	0	1	A representation of the identifying characteristics of a person's set of fingerprints.	
2.038	DPR	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonFingerprintSet/	nc:BiometricCaptureDate/ nc:Date	0	1	A date a biometric sample was collected.	1995-03-24
2.084	AMP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonFingerprintSet/	itl:FingerprintImageFingerMissing	0	13	A missing finger in a fingerprint image.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonFingerprintSet/ itl:FingerprintImageFingerMissing/	ansi-nist:FingerPositionCode	1	1	A finger position code	3
-----	AMPCD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonFingerprintSet/ itl:FingerprintImageFingerMissing/	itl:FingerMissingCode	1	1	A reason for a missing finger from a fingerprint image.	XX
2.034/ 2.091/ 2.092	RCD1/ RCD2/ P AT	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonFingerprintSet/	ebts:FingerprintImageFinger	0	10	An element that contains information about a single finger in an image.	
2.034A/ 2.074/ 2.091A/ 2.092A	FGP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFinger/	ansi-nist:FingerPositionCode	1	10	A finger position code	1
2.033	FPC	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFinger/	ebts:NCICFingerprintClassificationCode	0	1	An element that indicates the fingerprint pattern classification code as designated by NCIC.	PI
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFinger/	ebts:RidgeCoreDelta	1	3	An element to allow for the representation of FBI specific elements for finger pattern and subpattern classifications.	
2.034B	PATCL	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFinger/ ebts:RidgeCoreDelta/	ebts:FingerprintPatternClassificationCode	1	1	An element representing pattern level fingerprint classifications in a latent fingerprint image.	WU

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
2.091B/ 2.092B	RCN1/ RCN2	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonFingerprintSet/ ebts:FingerprintImageFinger/ ebts:RidgeCoreDelta/	ansi-nist:RidgeCountValue	0	2	A number of friction ridges between two features on an image	13
2.2036	POS	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ansi-nist:FacelImageSubjectPoseCode	0	1	A pose of a subject	F
2.041	RES	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	ebts:PersonResidenceLocation	0	1	An element that indicates the residence of Person Fingerprinted.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/	nc:LocationAddress			A geophysical location described by postal information.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:LocationAddress/	nc:StructuredAddress			An address.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:LocationAddress/ nc:StructuredAddress/	nc:LocationStreet			A road, thoroughfare or highway.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:LocationAddress/ nc:StructuredAddress/ nc:LocationStreet/	nc:StreetNumberText			A number that identifies a particular unit or location within a street.	5021

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:LocationAddress/ nc:StructuredAddress/ nc:LocationStreet/	nc:StreetName			A name of a street.	OAK LEAF D RIVE
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:LocationAddress/ nc:StructuredAddress/	nc:LocationCityName			A name of a city or town.	BUFFALO
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:LocationAddress/ nc:StructuredAddress/	nc:LocationStateNCICLSTACode			A state, commonwealth, province, or other such geopolitical subdivision of a country.	NY
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ ebts:PersonResidenceLocation/ nc:LocationAddress/ nc:StructuredAddress/	nc:LocationPostalCode			An identifier of a post office-assigned zone for an address.	14204
2.039	EAD	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:Employer	0	1	A business or person which employs a person.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:Employer/	nc:EntityOrganization/ nc:OrganizationName	0	1	An organization capable of bearing legal rights and responsibilities.	ACE CONST RUCTION C OMPANY
2.040	OCP	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:EmployeeOccupationText	0	1	A job of an employee.	PLUMBER

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/	nc:EmploymentLocation	0	1	A location where a person works.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:EmploymentLocation/	nc:LocationAddress			A geophysical location described by postal information.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:EmploymentLocation/ nc:LocationAddress/	nc:StructuredAddress			An address.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:EmploymentLocation/ nc:LocationAddress/ nc:StructuredAddress/	nc:LocationStreet			A road, thoroughfare or highway.	
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:EmploymentLocation/ nc:LocationAddress/ nc:StructuredAddress/ nc:LocationStreet/	nc:StreetNumberText			A number that identifies a particular unit or location within a street.	327
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:EmploymentLocation/ nc:LocationAddress/ nc:StructuredAddress/ nc:LocationStreet/	nc:StreetName			A name of a street.	MAPLE AVE
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:EmploymentLocation/ nc:LocationAddress/ nc:StructuredAddress/	nc:LocationCityName			A name of a city or town.	BUFFALO

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:EmploymentLocation/ nc:LocationAddress/ nc:StructuredAddress/	nc:LocationStateNCICLSTACode			A state, commonwealth, province, or other such geopolitical subdivision of a country.	NY
-----	-----	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/ ebts:DomainDefinedDescriptiveFields/ ebts:RecordSubject/ nc:EmploymentLocation/ nc:LocationAddress/ nc:StructuredAddress/	nc:LocationPostalCode			An identifier of a post office-assigned zone for an address.	14204
-----	SDF	itl:PackageDescriptiveTextRecord/ itl:UserDefinedDescriptiveDetail/	ebts:StateDefinedFields	0	*	An element to allow for the representation of State-specific data not otherwise required by the FBI	
Type 4	-----		itl:PackageHighResolutionGrayscaleImageRecord	0	*	A Type-4 high-resolution grayscale fingerprint image record	
Type 4	RCC	itl:PackageHighResolutionGrayscaleImageRecord/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	04
Type 4	IDC	itl:PackageHighResolutionGrayscaleImageRecord/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	01
Type 4	-----	itl:PackageHighResolutionGrayscaleImageRecord/	ansi-nist:FingerprintImage	1	1	An image of a fingerprint	
Type 4	IMG	itl:PackageHighResolutionGrayscaleImageRecord/ ansi-nist:FingerprintImage/	nc:BinaryBase64Object	1	1	A binary encoding of data.	mrHbPdrko3 u1s7ahtgPB jtmO1s85tfG 2U7bpofY9 4 Czu2SbY7d7 wF9fQ7Zptg GrtkO2a2dsJ 7wZbe 8Blzv AmQ7xq+Y9 4GoHeEsR3 ikWd4DIGhz mp3k42 d4D Rmzs94DKv eDTB3hqw6 PeBLrtpPep 0H/+h

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
Type 4	-----	itl:PackageHighResolutionGrayscaleImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:ImageCaptureDetail	1	1	A set of information regarding the captured (e.g., scanned) image	
Type 4	ISR	itl:PackageHighResolutionGrayscaleImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureResolutionCode	1	1	A set of information regarding the captured (e.g., scanned) image	1
Type 4	GCA	itl:PackageHighResolutionGrayscaleImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:ImageCompressionAlgorithmCode	1	1	An image compression algorithm	2
Type 4	HLL	itl:PackageHighResolutionGrayscaleImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:ImageHorizontalLineLengthPixelQuantity	1	1	A number of pixels on a single horizontal line of an image	80
Type 4	VLL	itl:PackageHighResolutionGrayscaleImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:ImageVerticalLineLengthPixelQuantity	1	1	A number of horizontal lines in an image	65
Type 4	FGP	itl:PackageHighResolutionGrayscaleImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:FingerprintImagePosition/ ansi-nist:FingerPositionCode	1	1	A set of possible finger position codes, most probable position first	2
Type 4	IMP	itl:PackageHighResolutionGrayscaleImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:FingerprintImageImpressionCaptureCategoryCode	1	1	A kind of impression capture by which a fingerprint image information was obtained	3
Type 7	-----		itl:PackageUserDefinedImageRecord	0	*	A Type-7 user-defined image record	
Type 7	RCC	itl:PackageUserDefinedImageRecord/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	07
Type 7	IDC	itl:PackageUserDefinedImageRecord/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	02
Type 7	-----	itl:PackageUserDefinedImageRecord/	ansi-nist:FingerprintImage	0	1	An image of a fingerprint	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
Type 7	IMG	itl:PackageUserDefinedImageRecord/ ansi-nist:FingerprintImage/	nc:BinaryBase64Object	1	1	A binary encoding of data.	mrHbPdrko3 u1s7ahtgPB jtmO1s85tfG 2U7bpofY9 4 Czu2SbY7d7 wF9fQ7Zptg GrtkO2a2dsJ 7wZbe 8Blzv AmQ7xq+Y9 4GoHeEsR3 ikWd4DIGhz mp3k42 d4D Rmzs94DKv eDTB3hqw6 PeBLrtpPep 0H/+h
Type 7	ISR	itl:PackageUserDefinedImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureResolutionCode	1	1	A set of information regarding the captured (e.g., scanned) image	1
Type 7	GCA	itl:PackageUserDefinedImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:ImageCompressionAlgorithmCode	1	1	An image compression algorithm	2
Type 7	HLL	itl:PackageUserDefinedImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:ImageHorizontalLineLengthPixelQuantity	1	1	A number of pixels on a single horizontal line of an image	80
Type 7	VLL	itl:PackageUserDefinedImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:ImageVerticalLineLengthPixelQuantity	1	1	A number of horizontal lines in an image	65
Type 7	FGP	itl:PackageUserDefinedImageRecord/ ansi-nist:FingerprintImage/ ansi-nist:FingerprintImagePosition/	ansi-nist:FingerPositionCode	1	6	A finger position code	2
Type 7	IMP	itl:PackageUserDefinedImageRecord/ ansi-nist:FingerprintImage/	ansi-nist:FingerprintImageImpressionCaptureCategoryCode	1	1	A kind of impression capture by which a fingerprint image information was obtained	3
-----	-----		itl:PackageMinutiaeRecord	1	*	A Type-9 minutiae data record	
9.001	RCC	itl:PackageMinutiaeRecord/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	09
9.002	IDC	itl:PackageMinutiaeRecord/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	03

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
9.003	IMP	itl:PackageMinutiaeRecord/	ansi-nist:MinutiaeImpressionCaptureCategoryCode	1	1	A kind of impression capture by which the fingerprint or palm print image information was obtained	4
9.004	FMT	itl:PackageMinutiaeRecord/	ansi-nist:MinutiaeFormatNISTStandardIndicator	1	1	True if the NIST standard format for minutiae is used; false otherwise	false
-----	-----	itl:PackageMinutiaeRecord/	ansi-nist:ExtendedFeatureSetMinutiae	0	*	A set of elements for the measure and definition of friction ridge detail within a particular region of interest in a fingerprint or palm print image	
9.303	FSP	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:ExtendedFeatureSetProfileIdentification / nc:IdentificationID	0	9	This field is used to designate the profile (level of markup) of the type-9 features. The recommended profile is "2" for Quick Minutiae Search.	2
9.300	ROI	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:FrictionRidgeImageRegionOfInterest	1	1	Defines where the area within or bounds of the latent image containing the feature data has been specified.	
-----	EWI	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FrictionRidgeImageRegionOfInterest/	ansi-nist:ImageSegmentWidthMeasure	1	1	A width of a rectangular image segment in 10 micrometer (0.01mm) units	2540
-----	EHl	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FrictionRidgeImageRegionOfInterest/	ansi-nist:ImageSegmentHeightMeasure	1	1	A height of a rectangular image segment in 10 micrometer (0.01mm) units	2540
-----	EHO	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FrictionRidgeImageRegionOfInterest/	ansi-nist:ImageSegmentHorizontalOffsetMeasure	0	1	A distance in 10 micrometer units (0.01mm) from the left edge of an original image to the left edge of a rectangular image segment	0

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	EVO	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FrictionRidgeImageRegionOfInterest/	ansi-nist:ImageSegmentVerticalOffsetMeasure	0	1	A distance in 10 micrometer un A distance in 10 micrometer units (0.01mm) from the top edge of an original image to the top edge of a rectangular image segment its (0.01mm) from the top edge of an original image to the top edge of a rectangular image segment	0
-----	ROP	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FrictionRidgeImageRegionOfInterest/	ansi-nist:ImageSegmentPolygon	0	1	A set of vertices within an image describing a polygon-shaped region	
-----	-----	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:ImageSegmentPolygon/	ansi-nist:ImageSegmentVertex	3	99	A single pair of horizontal and vertical measures describing a point in an image	
-----	HPO	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:ImageSegmentPolygon/ ansi-nist:ImageSegmentVertex/	ansi-nist:ImageLocationHorizontalCoordinateMeasure	1	1	A distance in 10 micrometer units (0.01mm) from the left edge of a region of interest in an image	130
-----	VPO	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:ImageSegmentPolygon/ ansi-nist:ImageSegmentVertex/	ansi-nist:ImageLocationVerticalCoordinateMeasure	1	1	A distance in 10 micrometer units (0.01mm) from the top edge of a region of interest in an image	275
9.301	ORT	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:FingerprintImageFingerprintOrientation	0	1	If absent, this means print is assumed to be upright $\pm 15^\circ$; orientation must be indicated otherwise.	
-----	EOD	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FingerprintImageFingerprintOrientation/	ansi-nist:OrientationAngleValue	1	1	An angle of the position of the finger tip within an image, from -179 to +180, with 0 as upright	-179
-----	EUC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FingerprintImageFingerprintOrientation/	ansi-nist:OrientationAngleUncertaintyValue	0	1	A half of the total uncertainty of the orientation angle, in degrees	0
9.302	FPP	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:MinutiaeFingerLocation OR ansi-nist:MinutiaePalmLocation OR ansi-nist:MinutiaeFrictionRidgeLocation	1	20	Indicates the source of friction ridge skin (finger or palm); value may be "unknown"	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	FGP	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFingerLocation/	ansi-nist:FingerPositionCode	1	1	A finger position code	4
-----	FSM	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFingerLocation/	ansi-nist:SegmentLocationCode	0	1	A location of a segment of a finger, e.g. distal, medial, or proximal	DST
-----	OCF	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFingerLocation/	ansi-nist:FingerprintOffCenterCode	0	1	A data type for an off-center position of a finger or thumb image	L
-----	SGP	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFingerLocation/	ansi-nist:ImageSegmentPolygon	0	1	A set of vertices within an image describing a polygon-shaped region	
-----	-----	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFingerLocation/ ansi-nist:ImageSegmentPolygon/	ansi-nist:ImageSegmentVertex	3	99	A single pair of horizontal and vertical measures describing a point in an image	
-----	HPO	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFingerLocation/ ansi-nist:ImageSegmentPolygon/ ansi-nist:ImageLocationHorizontalCoordinateMeasure/	ansi-nist:ImageLocationHorizontalCoordinateMeasure	1	1	A distance in 10 micrometer units (0.01mm) from the left edge of a region of interest in an image	1330
-----	VPO	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFingerLocation/ ansi-nist:ImageSegmentPolygon/ ansi-nist:ImageLocationHorizontalCoordinateMeasure/	ansi-nist:ImageLocationVerticalCoordinateMeasure	1	1	A distance in 10 micrometer units (0.01mm) from the top edge of a region of interest in an image	1220
9.307	PAT	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:FingerprintPatternClassification	0	7	This field is used to specify one or more general pattern classification codes to which the fingerprint may match. Any combinations up to all four possible values are allowed (specifying all four is equivalent to no value and implies "unknown").	
-----	GCF	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FingerprintPatternClassification/	ansi-nist:FingerprintPatternGeneralClassCode	1	1	A class of fingerprint pattern used by most automated fingerprint information systems	WU

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	SUB	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FingerprintPatternClassification/	ansi-nist:FingerprintPatternSubClassCode	0	1	A subclass of fingerprint pattern that is an arch or whorl	AW
-----	WDR	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FingerprintPatternClassification/	ansi-nist:FingerprintPatternWhorlDeltaRelationshipCode	0	1	A relationship between a whorl and a delta in a fingerprint pattern	M
9.316	FQM	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:ImageQuality	0	9	Quality specified on original template submission or the quality computed by the encoder	
-----	QAP	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:ImageQuality/	ansi-nist:QualityAlgorithmProductIdentification/ nc:IdentificationID	1	1	An identification of a product assigned by a vendor to the quality algorithm	28495
-----	QVU	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:ImageQuality/	ansi-nist:QualityValue	1	1	A value of the quality of a particular sample	100
-----	QAV	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:ImageQuality/	ansi-nist:QualityAlgorithmVendorIdentification/ nc:IdentificationID	1	1	An identification of a vendor of a quality algorithm	FFF0
9.320	COR	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:MinutiaeCore	0	*	All cores must be marked if present in fingerprint images. (Core-like structures in palms may optionally be marked)	
-----	CXC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeCore/	ansi-nist:ImageLocationHorizontalCoordinateMeasure	1	1	A distance in 10 micrometer units (0.01mm) from the left edge of a region of interest in an image	1270
-----	CYC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeCore/	ansi-nist:ImageLocationVerticalCoordinateMeasure	1	1	A distance in 10 micrometer units (0.01mm) from the top edge of a region of interest in an image	1270
-----	CDI	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeCore/	ansi-nist:MinutiaeCoreDirectionMeasure	0	1	An average tangent direction of the two closest ridges to the core	45
-----	RPU	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeCore/	ansi-nist:ImageLocationUncertaintyRadiusMeasure	0	1	A distance in 10 micrometer units (0.01mm) from a particular X,Y coordinate	5

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	DUY	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeCore/	ansi-nist:MinutiaeCoreDirectionUncertaintyValue	0	1	A value indicating the uncertainty of the core direction measure	5
9.321	DEL	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:MinutiaeDelta	0	*	All deltas must be marked if present in fingerprint images (Delta-like structures in palms may optionally be marked)	
-----	DXC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeDelta/	ansi-nist:ImageLocationHorizontalCoordinateMeasure	1	1	A distance in 10 micrometer units (0.01mm) from the left edge of a region of interest in an image	635
-----	DYC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeDelta/	ansi-nist:ImageLocationVerticalCoordinateMeasure	1	1	A distance in 10 micrometer units (0.01mm) from the top edge of a region of interest in an image	1270
-----	DUP	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeDelta/	ansi-nist:MinutiaeDeltaDirectionUpMeasure	0	1	An up direction of a delta	90
-----	DLF	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeDelta/	ansi-nist:MinutiaeDeltaDirectionLeftMeasure	0	1	A left direction of a delta	179
-----	DRT	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeDelta/	ansi-nist:MinutiaeDeltaDirectionRightMeasure	0	1	A right direction of a delta	45
-----	DTP	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeDelta/	ansi-nist:MinutiaeDeltaCategoryCode	0	1	A kind of delta	L
-----	RPU	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeDelta/	ansi-nist:ImageLocationUncertaintyRadiusMeasure	0	1	A distance in 10 micrometer units (0.01mm) from a particular X,Y coordinate	5
-----	DUU	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeDelta/	ansi-nist:MinutiaeDeltaDirectionUpUncertaintyValue	0	1	A value indicating the uncertainty of the delta up direction measure	0
-----	DUL	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeDelta/	ansi-nist:MinutiaeDeltaDirectionLeftUncertaintyValue	0	1	A value indicating the uncertainty of the delta left direction measure	0
-----	DUR	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeDelta/	ansi-nist:MinutiaeDeltaDirectionRightUncertaintyValue	0	1	A value indicating the uncertainty of the delta right direction measure	0

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
9.331	MIN	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:EFSMinutia	0	999	All minutiae must be marked if present in the image	
-----	MXC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:EFSMinutia/	ansi-nist:ImageLocationHorizontalCoordinateMeasure	1	1	A distance in 10 micrometer units (0.01mm) from the left edge of a region of interest in an image	10
-----	MYC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:EFSMinutia/	ansi-nist:ImageLocationVerticalCoordinateMeasure	1	1	A distance in 10 micrometer units (0.01mm) from the top edge of a region of interest in an image	13
-----	MTD	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:EFSMinutia/	ansi-nist:ImageLocationThetaAngleMeasure	1	1	An angular position of a feature from another point in an image	88
-----	MTY	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:EFSMinutia/	ansi-nist:EFSMinutiaCategoryCode	1	1	A kind of minutia (e.g. a ridge ending, bifurcation, or other)	B
-----	MRU	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:EFSMinutia/	ansi-nist:ImageLocationUncertaintyRadiusMeasure	0	1	A distance in 10 micrometer units (0.01mm) from a particular X,Y coordinate	5
-----	MDU	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:EFSMinutia/	ansi-nist:MinutiaDirectionUncertaintyValue	0	1	A value indicating the uncertainty of the minutia direction	135
9.350	MFD	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:MinutiaeFeatureDetection	0	99	The NGI LFR encoder designation if template was created by that algorithm or not given otherwise (externally created)	
-----	FIE	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureDetection/	ansi-nist:MinutiaeFeatureDetectionFieldListText	1	1	A list of fields that correspond to the feature detection method coded	9.340,9.341,9.343
-----	FME	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureDetection/	ansi-nist:MinutiaeFeatureDetectionMethodCode	1	1	A method by which minutiae features are detected and encoded	REV
-----	FAV	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureDetection/	ansi-nist:MinutiaeAlgorithmVendorIdentification/ nc:IdentificationID	0	1	An identification of a vendor, or name of vendor of the minutiae extraction and encoding algorithm, from a registry table	ULW

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	FAL	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureDetection/	ansi-nist:MinutiaeAlgorithmIdentification/ nc:IdentificationID	0	1	An identification of a minutiae extraction and encoding algorithm	NATIVE FEATURE SET
-----	-----	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureDetection/	ansi-nist:MinutiaeExaminer	0	1	A minutiae examiner	
-----	EGN	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureDetection/ ansi-nist:MinutiaeExaminer	nc:PersonName/ nc:PersonGivenName	0	1	A minutiae examiner	JOHN
-----	ESN	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureDetection/ ansi-nist:MinutiaeExaminer	nc:PersonName/ nc:PersonSurName	0	1	A minutiae examiner	DOE
-----	EAF	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureDetection/	ansi-nist:MinutiaeExaminerAffiliation/ nc:OrganizationName	0	1	An organizational affiliation of the minutiae examiner	FLDE Crime Laboratory
-----	EMT	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureDetection/	ansi-nist:MinutiaeFeatureDetectionDateTime/ nc:DateTime	0	1	A date/time of the minutiae feature detection	2011-11-05T05:25:00Z
-----	NTS	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureDetection/	ansi-nist:MinutiaeCommentText	0	1	A free text comment about friction ridge features, methods, description, location, or background	NO FEATURES MODIFIED
9.351	COM	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:MinutiaeCommentText	0	1	Additional information that describes the extractor if this template was automatically generated from image.	COMMENT
9.361	CPF	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:MinutiaeFeatureCorrespondence	0	*	Matching Features between probe and candidate when requested. The Type Of Correspondence (TOC) to be provided for NGI is 'F' (Feature). Note this field contains the labeled feature that definitely corresponds to the specific feature defined by the Field Number and the Field Occurrence information items.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	COL	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureCorrespondence/	ansi-nist:MinutiaeFeatureIdentification/ nc:IdentificationID	1	1	An identification of a particular point or feature in a friction ridge image	A11
-----	TOC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureCorrespondence/	ansi-nist:MinutiaeFeatureCorrespondenceCategoryCode	1	1	A data type for a kind of correspondence between features in different friction ridge image	DP
-----	CFN	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureCorrespondence/	ansi-nist:MinutiaeFeatureCategoryCode	0	1	A kind of point or feature in a friction ridge impression	331
-----	FOC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureCorrespondence/	ansi-nist:MinutiaeFeatureReferenceIdentification/ nc:IdentificationID	0	1	An identification of a particular occurrence of a minutiae feature entity	1
-----	CXC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureCorrespondence/	ansi-nist:ImageLocationHorizontalCoordinateMeasure	0	1	A distance in 10 micrometer units (0.01mm) from the left edge of a region of interest in an image	1256
-----	CYC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureCorrespondence/	ansi-nist:ImageLocationVerticalCoordinateMeasure	0	1	A distance in 10 micrometer units (0.01mm) from the top edge of a region of interest in an image	235
-----	COC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:MinutiaeFeatureCorrespondence/	ansi-nist:MinutiaeCommentText	0	1	A free text comment about friction ridge features, methods, description, location, or background	COMMENT
9.363	RRC	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/	ansi-nist:FrictionRidgeImageRelativeRotation>	0	*	This field is used when returning search results with Type-9s to indicate the overall rotation of the probe (or target) print that resulted in the match score with the candidate.	
-----	RIR	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FrictionRidgeImageRelativeRotation>/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	06
-----	ROR	itl:PackageMinutiaeRecord/ ansi-nist:ExtendedFeatureSetMinutiae/ ansi-nist:FrictionRidgeImageRelativeRotation>/	ansi-nist:ImageRelativeOverallRotationValue	1	1	A measure of rotation of an image	12

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ebts:Minutiae	1	1	A representation of the minutiae of a fingerprint.	
9.014	FGN	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ansi-nist:MinutiaeFingerPositionCode			A finger position for an image in a minutiae record	5
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ebts:MinutiaeFBIStandard	1	1	An element that represents the FBI Standard Minutiae data.	
9.023	MAT	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/	ebts:MinutiaDetail	1	254	A representation of the minutia detail of a fingerprint.	
9.023A	MDX	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaDetail/	ansi-nist:MinutiaIdentification/ nc:IdentificationID	1	1	An identification of a single minutia	1
9.023B	XYT	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaDetail/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	1255
9.023B	XYT	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaDetail/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	1002
9.023B	XYT	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaDetail/	ansi-nist:PositionThetaAngleMeasure	1	1	A minutia's theta angle	048
9.023C	QMS	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaDetail/	ansi-nist:MinutiaQualityValue	1	1	A quality value assigned to a minutia	1
9.023E-L	MRO	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaDetail/	ebts:MinutiaRidgeCount	8	8	A description of Ridges between Minutia.	
9.023E-L	MRO	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaDetail/ ebts:MinutiaRidgeCount/	ansi-nist:RidgeCountReferenceIdentification/ nc:IdentificationID	1	1	An identification of a distant minutia point	1

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaeDetail/ ebts:MinutiaeRidgeCount/	ansi-nist:RidgeCountValue	1	1	A number of friction ridges between two features on an image	6
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaeDetail/ ebts:MinutiaeRidgeCount/	ebts:MinutiaeOctantNumeric	1	4	A number representing the octant containing Minutiae.	8
9.023M	RSO	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaeDetail/ ebts:MinutiaeRidgeCount/	ebts:MinutiaeOctantResidualNumeric	0	1	An element that indicates into which half of the octant minutiae lies.	0
9.015	NMN	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/	ansi-nist:MinutiaeQuantity	1	1	A number of minutiae recorded in a record	1
9.016	FCP	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/	ebts:MinutiaeReadingSystem	1	1	An element that describes the characterization equipment and the amount of manual intervention employed in the characterization process.	
9.016A	VEN	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaeReadingSystem/	ansi-nist:ReadingSystemName	1	1	A name of a system for reading, encoding, and recording minutiae	ULW
9.016B	VID	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaeReadingSystem/	ansi-nist:ReadingSystemSubsystemIdentification/ nc:IdentificationID	1	1	An identification of the originator's equipment for reading, encoding, and recording minutiae	AA
9.016C	MET	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFBIStandard/ ebts:MinutiaeReadingSystem/	ebts:ReadingSystemCodingMethodCode	1	1	An element to describe the degree of automation in the characterization process, using the three-part MET codes.	CAT
9.019	COF	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ebts:MinutiaeCoordinateOffsets	0	1	An element that allows the recording of translation, rotation, and image cropping employed in the minutiae characterization process.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
9.019A	XYP	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/	ebts:OffsetUpperLeftCoordinates	1	1	A set of coordinates that represents the offset to the upper-left corner of a non-rotated sub-image used subsequently in image processing.	
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/ ebts:OffsetUpperLeftCoordinates/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	2300
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/ ebts:OffsetUpperLeftCoordinates/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	1023
9.019B	XYP	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/	ebts:OffsetCenterOfRotation	0	1	A set of coordinates that represents the center of rotation within the sub-image	
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/ ebts:OffsetCenterOfRotation/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	2300
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/ ebts:OffsetCenterOfRotation/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	1023
9.019C	THET	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/	ansi-nist:PositionThetaAngleMeasure	0	1	A minutia's theta angle	048
9.019D	XYP	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/	ebts:OffsetTranslatedCenterOfRotation	0	1	A set of coordinates that represents the center of rotation in the rotated sub-image after the sub-image has been translated to eliminate negative column and row indexes.	
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/ ebts:OffsetTranslatedCenterOfRotation/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	2300

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/ ebts:OffsetTranslatedCenterOfRotation/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y-coordinate	1023
9.019E	XYP	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/	ebts:OffsetTranslatedUpperLeftCoordinates	0	1	A set of coordinates that represents the upper-left-corner column and row offsets to a cropped sub-image taken from the rotated image once adjusted to eliminate negative coordinate values.	
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/ ebts:OffsetTranslatedUpperLeftCoordinates/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X-coordinate	2300
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaCoordinateOffsets/ ebts:OffsetTranslatedUpperLeftCoordinates/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y-coordinate	1023
9.018	ROV	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ebts:MinutiaPolygonalVerticesPositions	0	1	An element that provides the Cartesian positions defining the vertices of a polygon that bounds the region of the image from which the characterization products have been extracted.	
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaPolygonalVerticesPositions/	itl:PositionPolygonVertex	3	8	A vertex in a position polygon. Deprecated in favor of biom:PositionPolygonVertex.	
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaPolygonalVerticesPositions/ itl:PositionPolygonVertex/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X-coordinate	2300
-----	-----	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaPolygonalVerticesPositions/ itl:PositionPolygonVertex/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y-coordinate	1023
9.021	CRA	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ebts:MinutiaeFingerCoreAttributePosition	0	2	An element that indicates the attributes of a pattern core in a fingerprint.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
9.021B	DID	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFingerCoreAttributePosition/	ansi-nist:PositionDirectionDegreeValue	1	1	A direction of a core-opening, through the center of curvature for the innermost recurve at maximum curvature in integer degrees (000 to 360)	265
9.021A	XYM	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFingerCoreAttributePosition/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	0035
9.021C	PUM	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFingerCoreAttributePosition/	ansi-nist:PositionUncertaintyValue	1	1	A radius of position uncertainty (PUM) in the manual or automatic placement of the core in integer units of 10 micrometers	0175
9.021A	XYM	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFingerCoreAttributePosition/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	0045
9.022	DLA	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ebts:MinutiaeFingerDeltaAttributePosition	0	2	An element that indicates the position of a pattern delta in a fingerprint.	
9.022B	DID	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFingerDeltaAttributePosition/	ansi-nist:PositionDirectionDegreeValue	1	1	A direction of a core-opening, through the center of curvature for the innermost recurve at maximum curvature in integer degrees (000 to 360)	078
9.022A	XYM	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFingerDeltaAttributePosition/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	0035
9.022E	PUM	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFingerDeltaAttributePosition/	ansi-nist:PositionUncertaintyValue	1	1	A radius of position uncertainty (PUM) in the manual or automatic placement of the core in integer units of 10 micrometers	210
9.022A	XYM	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFingerDeltaAttributePosition/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	0045
9.017	APC	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ebts:MinutiaeFingerPattern	0	3	An element that contains the AFIS/FBI Pattern Classification and the ridge count for the fingerprint minutiae.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
9.017A	APAT	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFingerPattern/	ebts:FingerprintPatternClassificationCode	1	1	An element representing pattern-level fingerprint classifications in a latent fingerprint image.	AU
9.017B	RCN1	itl:PackageMinutiaeRecord/ ebts:Minutiae/ ebts:MinutiaeFingerPattern/	ansi-nist:RidgeCountValue	0	1	A number of friction-ridges between two features on an image	8
9.024	CHQ	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ebts:MinutiaCharacterizationQualityValue	0	1	A number representing the distribution of the parameter over thousands of fingerprints approximating a Gaussian distribution.	50
9.025	CLQ	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ebts:MinutiaClassifierQualityValue	0	1	A number that indicates the quality or confidence of the automatic classification.	2.2052
9.020	ORN	itl:PackageMinutiaeRecord/ ebts:Minutiae/	ansi-nist:PositionUncertaintyValue	1	1	A radius of position uncertainty (PUM) in the manual or automatic placement of the core in integer units of 10 micrometers	210
-----	-----		itl:PackageFacialAndSMTImageRecord	0	*	A Type-10 facial or SMT image record	
10.001	RCC	itl:PackageFacialAndSMTImageRecord/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	10
10.002	IDC	itl:PackageFacialAndSMTImageRecord/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	04
-----	-----	itl:PackageFacialAndSMTImageRecord/	itl:FacelImage	0	*	An image of a face. Deprecated in favor of biom:FacelImage.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
10.999	DAT	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	nc:BinaryBase64Object	1	1	A binary encoding of data.	mrHbPdrko3 u1s7ahtgPB jtmO1s85tfG 2U7bpofY9 4 Czu2SbY7d7 wF9fQ7Zptg GrtkO2a2dsJ 7wZbe 8Blzv AmQ7xq+Y9 4GoHeEsR3 ikWd4DIGhz mp3k42 d4D Rmzs94DKv eDTB3hqw6 PeBLrtpPep 0H/+h
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageCaptureDetail	1	1	A set of information regarding the captured (e.g., scanned) image	
10.005	PHD	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDate/ nc:Date	1	1	A date that an image was captured	2007-01-01
10.016	SHPS	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureHorizontalPixelDensityValue	0	1	A scanned pixel density in horizontal direction	1200
10.004	SRC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureOrganization	1	1	An organization that originally captured an image	
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	1	1	An identification that references an organization.	WI013415Y
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationName	0	1	A name of an organization.	WI CRIME IN FORMATION BUREAU
10.017	SVPS	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureVerticalPixelDensityValue	0	1	A scanned pixel density in the vertical direction	1200
10.030	DMM	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDeviceMonitoringModeCode	0	1	A level of human monitoring for an image capture device	ASSISTED
10.012	CSP	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageColorSpaceCode	1	1	A color space used to exchange an image	YCC

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
10.038	COM	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageCommentText	0	1	A comment regarding an image	Comment
10.011	CGA	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageCompressionAlgorithmText	1	1	An image compression algorithm	JPEGB
10.006	HLL	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageHorizontalLineLengthPixelQuantity	1	1	A number of pixels on a single horizontal line of an image	80
10.009	THPS	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageHorizontalPixelDensityValue	1	1	A transmitted pixel density in horizontal direction	1200
10.024	SQS	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageQuality	0	9	A set of details about the quality of an image	
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageQuality/	ansi-nist:QualityAlgorithmProductIdentification/ nc:IdentificationID	1	1	An identification of a product assigned by a vendor to the quality algorithm	28495
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageQuality/	ansi-nist:QualityValue	1	1	A value of the quality of a particular sample	100
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageQuality/	ansi-nist:QualityMeasureVendorIdentification/ nc:IdentificationID	1	1	An identification of a vendor of a quality algorithm. Deprecated in favor of biom:QualityAlgorithmVendorIdentification.	RGTm88
10.008	SLC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageScaleUnitsCode	1	1	A sampling frequency unit designator, pixels per inch, or pixels per centimeter	1
10.003	IMT	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageCategoryCode	1	1	A kind of image of a person	FACE
10.007	VLL	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageVerticalLineLengthPixelQuantity	1	1	A number of horizontal lines in an image	65
10.010	TVPS	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageVerticalPixelDensityValue	1	1	A transmitted pixel density in the vertical direction	1200
10.018	DIST	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageDistortion	0	1	A distortion in an image	
-----	IDK	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageDistortion/	ansi-nist:ImageDistortionCategoryCode	1	1	A kind of distortion in an image	Pincushion

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	IDM	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageDistortion/	ansi-nist:ImageDistortionMeasurementCode	1	1	A manner in which distortion in an image was measured, i.e. whether it was estimated or calculated	E
-----	DSC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:ImageDistortion/	ansi-nist:ImageDistortionSeverityCode	1	1	A severity of distortion in an image	Mild
10.025	SPA	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImage3DPoseAngle	0	1	A set of angular offsets of a subject from a full face or a profile, for a determined 3D pose	
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DPoseAngle/	ansi-nist:PosePitchAngleMeasure	1	1	A rotation about the horizontal 'x' axis	-45
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DPoseAngle/	ansi-nist:PosePitchUncertaintyValue	0	1	A pitch uncertainty	35
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DPoseAngle/	ansi-nist:PoseRollAngleMeasure	1	1	A rotation about the 'z' axis	0
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DPoseAngle/	ansi-nist:PoseRollUncertaintyValue	0	1	A roll uncertainty	90
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DPoseAngle/	ansi-nist:PoseYawAngleMeasure	1	1	A rotation about the vertical 'y' axis	0
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DPoseAngle/	ansi-nist:PoseYawUncertaintyValue	0	1	A yaw uncertainty	0
10.013	SAP	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageAcquisitionProfileCode	0	1	A set of criteria under which the facial image was captured	20
10.022	PSX	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageAttribute	0	9	A special attribute of a captured facial image. Deprecated in favor of biom:FacelImageDescriptionCode.	
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageAttribute/	ansi-nist:FacelImageAttributeCode	1	1	An attribute of a captured facial image. Deprecated in favor of biom:FacelImageDescriptionCode.	OTHER

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageAttribute/	ansi-nist:FacelImageAttributeText	0	1	A description of a special attribute of a captured facial image. Deprecated in favor of biom:FacelImageDescriptionText.	SKI MASK
10.026	SXS	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageDescriptionCode	0	50	A description of a facial expression of the subject and other attributes associated with the subject's captured facial image	MOUTH OPEN
10.027	SEC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageEyeColorAttributeCode	0	1	An eye color of a subject as seen in an image of a person's face	HAZ
10.029	SFP	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageFeaturePoint	0	88	A set of attributes describing 2D, MPEG4 facial feature points and their locations	
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageFeaturePoint/	ansi-nist:FeaturePointHorizontalCoordinateValue	1	1	An X coordinate of a facial feature point	258
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageFeaturePoint/	ansi-nist:FeaturePointIdentification/ nc:IdentificationID	1	1	An identification of a particular feature point, defined by ISO/IEC 14496-2	11.5
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageFeaturePoint/	ansi-nist:FeaturePointCategoryCode	1	1	A kind of feature point of a captured facial image	1
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageFeaturePoint/	ansi-nist:FeaturePointVerticalCoordinateValue	1	1	A Y coordinate of a facial feature point	55
10.028	SHC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageHairColorAttributeCode	0	2	A hair color shown in an image of a person's face	BAL
10.021	POA	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImagePoseOffsetAngleMeasure	0	1	An angular offset of a subject from full face or a profile, for an angled pose	-45
10.020	POS	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageSubjectPoseCode	0	1	A pose of a subject	A
10.023	PAS	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	itl:FacelImageAcquisitionSource/ ansi-nist:CaptureSourceCode	0	1	A source of an image. Deprecated in favor of biom:FacelImageAcquisitionSource.	DIGITAL CAMERA

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
10.014	FIP	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageBoundingSquare	0	1	A square bounding box containing a face image in a larger picture	
-----	BBC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageBoundingSquare/	ansi-nist:FacelImageBoundingCategoryCode	0	1	A kind of face image in a bounding box	H
-----	BVC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageBoundingSquare/	ansi-nist:SegmentBottomVerticalCoordinateValue	1	1	A bottom vertical offset of a segment box within an image in pixels	85
-----	LHC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageBoundingSquare/	ansi-nist:SegmentLeftHorizontalCoordinateValue	1	1	A left horizontal offset of a segment box within an image in pixels	115
-----	RHC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageBoundingSquare/	ansi-nist:SegmentRightHorizontalCoordinateValue	1	1	A right horizontal offset of a segment box within an image in pixels	188
-----	TVC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageBoundingSquare/	ansi-nist:SegmentTopVerticalCoordinateValue	1	1	A top vertical offset of a segment box within an image in pixels	55
10.015	FPFI	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageBoundary	0	1	A polygon containing a face image in a larger picture	
-----	BYC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageBoundary/	ansi-nist:FacelImageBoundaryShapeCode	0	1	A shape of the boundary of a face image in a larger picture	P
-----	NOP	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageBoundary/	ansi-nist:PositionPolygonVertexQuantity	1	1	A number of vertices in a position polygon	4
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageBoundary/	ansi-nist:PositionPolygonVertex	2	99	A vertex in a position polygon	
-----	HPO	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageBoundary/ ansi-nist:PositionPolygonVertex/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	100
-----	VPO	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageBoundary/ ansi-nist:PositionPolygonVertex/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	15
10.019	LAF	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageLightingArtifactsCode	0	3	A lighting artifact in this face image	F

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
10.031	TMC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageFeaturePointTierCode	0	1	A number assigned to the tier level of a particular face image feature point	3
10.032	AFF	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImage3DFeaturePoint	0	88	A face feature point that includes a Z-coordinate	
-----	HCX	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DFeaturePoint/	ansi-nist:FeaturePointHorizontalCoordinateValue	1	1	An X coordinate of a facial feature point	85
-----	FPC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DFeaturePoint/	ansi-nist:FeaturePointIdentification/ nc:IdentificationID	1	1	An identification of a particular feature point, defined by ISO/IEC 14496-2	sba
-----	FPT	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DFeaturePoint/	ansi-nist:FeaturePointCategoryCode	1	1	A kind of feature point of a captured facial image	2
-----	HCY	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DFeaturePoint/	ansi-nist:FeaturePointVerticalCoordinateValue	1	1	A Y coordinate of a facial feature point	119
-----	HCZ	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImage3DFeaturePoint/	ansi-nist:FeaturePointZCoordinateValue	1	1	A Z coordinate of a 3D face feature point	6
10.033	FEC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageContour	0	12	A contour feature in a face image	
-----	FCC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageContour/	ansi-nist:FacelImageContourCategoryCode	1	1	A kind of contour feature in this face image	chin
-----	NOP	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageContour/	ansi-nist:PositionPolygonVertexQuantity	1	1	A number of vertices in a position polygon	3
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageContour/	ansi-nist:PositionPolygonVertex	3	99	A vertex in a position polygon	
-----	HPO	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageContour/ ansi-nist:PositionPolygonVertex/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	225
-----	VPO	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageContour/ ansi-nist:PositionPolygonVertex/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	313

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
10.045	OCC	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:FacelImageOcclusion	0	16	A blockage in a face image	
-----	OCY	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageOcclusion/	ansi-nist:FacelImageOcclusionOpacityCode	1	1	A level of opacity of a blockage in this face image	L
-----	OCT	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageOcclusion/	ansi-nist:FacelImageOcclusionCategoryCode	1	1	A kind of a blockage in a face image	S
-----	NOP	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageOcclusion/	ansi-nist:PositionPolygonVertexQuantity	1	1	A number of vertices in a position polygon	3
-----	-----	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageOcclusion/	ansi-nist:PositionPolygonVertex	3	99	A vertex in a position polygon	
-----	HPO	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageOcclusion/ ansi-nist:PositionPolygonVertex/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	225
-----	VPO	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/ ansi-nist:FacelImageOcclusion/ ansi-nist:PositionPolygonVertex/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	313
10.044	ITX	itl:PackageFacialAndSMTImageRecord/ itl:FacelImage/	ansi-nist:ImageTransformationCode	0	18	A kind of transformation of an image	CROP
-----	-----	itl:PackageFacialAndSMTImageRecord/	ansi-nist:PhysicalFeatureImage	0	*	An image of a physical feature	
DATA	10.999	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	nc:BinaryBase64Object	1	1	A binary encoding of data.	mrHbPdrko3 u1s7ahtgPB jtmO1s85tfG 2U7bpofY9 4 Czu2SbY7d7 wF9fQ7Zptg GrtkO2a2dsJ 7wZbe 8Blzv AmQ7xq+Y9 4GoHeEsR3 ikWd4DIGhz mp3k42 d4D Rmzs94DKv eDTB3hqw6 PeBLrtpPep 0H/+h
-----	-----	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageCaptureDetail	1	1	A set of information regarding the captured (e.g., scanned) image	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
10.005	PHD	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDate/ nc:Date	1	1	A date that an image was captured	1953-04-23
10.016	SHPS	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureHorizontalPixelDensityValue	0	1	A scanned pixel density in horizontal direction	500
-----	-----	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureOrganization	1	1	An organization that originally captured an image	
10.004	SRC	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	1	1	An identification that references an organization.	WI013415Y
10.017	SVPS	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureVerticalPixelDensityValue	0	1	A scanned pixel density in the vertical direction	500
10.012	CSP	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageColorSpaceCode	1	1	A color space used to exchange an image	YCC
10.038	COM	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageCommentText	0	1	A comment regarding an image	Comment
10.011	CGA	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageCompressionAlgorithmText	1	1	An image compression algorithm	JPEGB
10.006	HLL	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageHorizontalLineLengthPixelQuantity	1	1	A number of pixels on a single horizontal line of an image	80
10.009	THPS	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageHorizontalPixelDensityValue	1	1	A transmitted pixel density in horizontal direction	1200
10.008	SLC	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageScaleUnitsCode	1	1	A sampling frequency unit designator, pixels per inch, or pixels per centimeter	1
10.003	IMT	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageCategoryCode	1	1	A kind of image of a person	TATTOO
10.007	VLL	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageVerticalLineLengthPixelQuantity	1	1	A number of horizontal lines in an image	65
10.010	TVPS	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageVerticalPixelDensityValue	1	1	A transmitted pixel density in the vertical direction	1200

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:PhysicalFeatureDescriptionDetail	0	9	A complete description of scars, marks, or tattoos visible in a transmitted image	
10.043	COL	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:PhysicalFeatureDescriptionDetail/	ansi-nist:PhysicalFeatureColorDetail	0	1	A set of colors of a physical feature	
-----	TC1	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:PhysicalFeatureDescriptionDetail/ ansi-nist:PhysicalFeatureColorDetail/	ansi-nist:PhysicalFeaturePrimaryColorCode	1	1	A primary color of a tattoo in an image	ORANGE
-----	TC2	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:PhysicalFeatureDescriptionDetail/ ansi-nist:PhysicalFeatureColorDetail/	ansi-nist:PhysicalFeatureSecondaryColorCode	0	5	A secondary color of a tattoo in an image	BLACK
10.042	SMD / SMI	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:PhysicalFeatureDescriptionDetail/	ansi-nist:PhysicalFeatureCategoryCode	1	1	A kind of physical feature, e.g. a scar, a mark, or a tattoo	TATTOO
-----	TAC	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:PhysicalFeatureDescriptionDetail/	ansi-nist:PhysicalFeatureClassCode	0	1	A human tattoo class of an SMT, OTHER if not tattoo	ANIMAL
-----	TDS	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:PhysicalFeatureDescriptionDetail/	ansi-nist:PhysicalFeatureDescriptionText	0	1	A description of a physical feature	Golden retriever with an overbite
-----	TSC	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:PhysicalFeatureDescriptionDetail/	ansi-nist:PhysicalFeatureSubClassCode	0	1	A human tattoo subclass of an SMT, MISC if not tattoo	DOG
10.040	SMT	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:PhysicalFeatureNCICCode	1	3	An NCIC code for a particular scar, mark, or tattoo	TAT L TOE
10.041	SMS	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:PhysicalFeatureSize	0	1	A size of a scar, mark, or tattoo	
-----	HGT	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:PhysicalFeatureSize/	ansi-nist:PhysicalFeatureHeightMeasure	1	1	A feature's height in whole centimeters	112
-----	WID	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/ ansi-nist:PhysicalFeatureSize/	ansi-nist:PhysicalFeatureWidthMeasure	1	1	A feature's width in whole centimeters	15
10.039	T10	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:PhysicalFeatureReferenceIdentification/ nc:IdentificationID	0	1	An identification of a single SMT that may be represented by multiple images	0

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
10.044	ITX	itl:PackageFacialAndSMTImageRecord/ ansi-nist:PhysicalFeatureImage/	ansi-nist:ImageTransformationCode	0	18	A kind of transformation of an image	CROP
-----	-----		itl:PackageLatentImageRecord	0	*	A Type-13 variable-resolution latent image record	
13.001	RCC	itl:PackageLatentImageRecord/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	13
13.002	IDC	itl:PackageLatentImageRecord/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	06
-----	-----	itl:PackageLatentImageRecord/	ansi-nist:FrictionRidgeImage	0	1	An image of a friction ridge.	
13.999	DAT	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	nc:BinaryBase64Object	1	1	A binary encoding of data.	mrHbPdrko3 u1s7ahtgPB jtmO1s85tfG 2U7bpofY9 4 Czu2SbY7d7 wF9fQ7Zptg GrtkO2a2dsJ 7wZbe 8Blzv AmQ7xq+Y9 4GoHeEsR3 ikWd4DIGhz mp3k42 d4D Rmzs94DKv eDTB3hqw6 PeBLrtpPep 0H/+h
13.012	BPX	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:ImageBitsPerPixelQuantity	1	1	A number of bits used to represent a pixel	8
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:ImageCaptureDetail	1	1	A set of information regarding the captured (e.g., scanned) image	
13.005	LCD	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDate/ nc:Date	1	1	A date that an image was captured	2007-01-01
13.016	SHPS	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureHorizontalPixelDensityValue	0	1	A scanned pixel density in horizontal direction	500
13.004	SRC	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureOrganization	1	1	An organization that originally captured an image	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	1	1	An identification that references an organization.	WI013415Y
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationName	0	1	A name of an organization.	WI CRIME IN FORMATION BUREAU
13.017	SVPS	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureVerticalPixelDensityValue	0	1	A scanned pixel density in the vertical direction	500
13.020	COM	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:ImageCommentText	0	1	A comment regarding an image	A comment
13.011	CGA	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:ImageCompressionAlgorithmText	1	1	An image compression algorithm	WSQ20
13.006	HLL	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:ImageHorizontalLineLengthPixelQuantity	1	1	A number of pixels on a single horizontal line of an image	80
13.009	HPS	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:ImageHorizontalPixelDensityValue	1	1	A transmitted pixel density in horizontal direction	500
13.008	SLC	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:ImageScaleUnitsCode	1	1	A sampling frequency unit designator, pixels per inch, or pixels per centimeter	1
13.007	VLL	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:ImageVerticalLineLengthPixelQuantity	1	1	A number of horizontal lines in an image	65
13.010	VPS	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:ImageVerticalPixelDensityValue	1	1	A transmitted pixel density in the vertical direction	500
13.003	IMP	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:FingerprintImageImpressionCaptureCategoryCode	1	1	A kind of impression capture by which a fingerprint image information was obtained	7
13.013	FGP	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:FrictionRidgePositionCode	1	6	A friction ridge position code	4
13.014	SPD	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:FingerprintImageMajorCasePrint	0	1	A set of information required when finger position code is "19" complete friction ridge exemplars	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FingerprintImageMajorCasePrint/	ansi-nist:FingerPositionCode	0	9	A finger position code	8
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FingerprintImageMajorCasePrint/	ansi-nist:MajorCasePrintCode	0	9	A portion of the EJI or tip image in the database to search	EJI
13.015	PPC	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FingerprintImageMajorCasePrint/	ansi-nist:MajorCasePrintSegmentOffset	0	12	A set of data describing the type and location of segments within a complete friction ridge exemplars image or slap print image	
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentBottomVerticalCoordinateValue	1	1	A bottom vertical offset of a segment box within an image in pixels	85
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentLocationCode	1	1	A location of a segment of a finger, e.g. distal, medial, or proximal	DST
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentFingerViewCode	1	1	A kind of full finger view	FV3
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentLeftHorizontalCoordinateValue	1	1	A left horizontal offset of a segment box within an image in pixels	115
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentRightHorizontalCoordinateValue	1	1	A right horizontal offset of a segment box within an image in pixels	188
-----	-----	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentTopVerticalCoordinateValue	1	1	A top vertical offset of a segment box within an image in pixels	55
13.024	LQM	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/	ansi-nist:FrictionRidgeImageQuality	0	9	A quality measure of a friction ridge.	
-----	FRMP	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FrictionRidgeImageQuality/	ansi-nist:FrictionRidgePositionCode	1	1	A friction ridge position code	19

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	QAP	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FrictionRidgeImageQuality/	ansi-nist:QualityAlgorithmProductIdentification/ nc:IdentificationID	1	1	An identification of a product assigned by a vendor to the quality algorithm	28495
-----	QAV	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FrictionRidgeImageQuality/	ansi-nist:QualityAlgorithmVendorIdentification/ nc:IdentificationID	1	1	An identification of a vendor of a quality algorithm	88
-----	QVU	itl:PackageLatentImageRecord/ ansi-nist:FrictionRidgeImage/ ansi-nist:FrictionRidgeImageQuality/	ansi-nist:QualityValue	1	1	A value of the quality of a particular sample	100
-----	-----		itl:PackageFingerprintImageRecord	0	*	A Type-14 variable-resolution fingerprint image record	
14.001	RCC	itl:PackageFingerprintImageRecord/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	14
14.002	IDC	itl:PackageFingerprintImageRecord/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	07
14.200	ISC	itl:PackageFingerprintImageRecord/	ebts:Type14UserDefinedFields/ ebts:ImageSourceCode	0	*	A user-defined field to contain additional Type-14 data elements required by EBTS that are not defined in the ANSI/NIST-ITL standard	1
-----	-----	itl:PackageFingerprintImageRecord/	itl:FingerprintImage	1	1	An image of a fingerprint. Deprecated in favor of biom:FingerImpressionImage.	
14.999	DAT	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	nc:BinaryBase64Object	0	1	A binary encoding of data.	mrHbPdrko3 u1s7ahtgPB jtmO1s85tfG 2U7bpofY9 4 Czu2SbY7d7 wF9fQ7Zptg GrtkO2a2dsJ 7wZbe 8Blzv AmQ7xq+Y9 4GoHeEsR3 ikWd4DIGhz mp3k42 d4D Rmzs94DKv eDTB3hqw6 PeBLrtpPep 0H/+h

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
14.012	BPX	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:ImageBitsPerPixelQuantity	1	1	A number of bits used to represent a pixel	8
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:ImageCaptureDetail	1	1	A set of information regarding the captured (e.g., scanned) image	
14.005	FCD	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDate/ nc:Date	1	1	A date that an image was captured	2007-01-01
14.016	SHPS	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureHorizontalPixelDensityValue	1	1	A scanned pixel density in horizontal direction	500
14.004	SRC	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureOrganization	1	1	An organization that originally captured an image	
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	1	1	An identification that references an organization.	WI013415Y
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationName	0	1	A name of an organization.	WI CRIME IN FORMATION BUREAU
14.017	SVPS	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureVerticalPixelDensityValue	0	1	A scanned pixel density in the vertical direction	500
14.030	DMM	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDeviceMonitoringModeCode	1	1	A level of human monitoring for an image capture device	ASSISTED
14.026	SCF	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureIdentification/ nc:IdentificationID	0	1	An identification of the activity of capturing the image; can be used to link images that were obtained simultaneously	123
14.020	COM	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:ImageCommentText	0	1	A comment regarding an image	A comment
14.011	CGA	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:ImageCompressionAlgorithmText	1	1	An image compression algorithm	WSQ20
14.006	HLL	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:ImageHorizontalLineLengthPixelQuantity	1	1	A number of pixels on a single horizontal line of an image	80

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
14.009	THPS	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:ImageHorizontalPixelDensityValue	1	1	A transmitted pixel density in horizontal direction	1000
14.008	SLC	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:ImageScaleUnitsCode	1	1	A sampling frequency unit designator, pixels per inch, or pixels per centimeter	1
14.007	VLL	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:ImageVerticalLineLengthPixelQuantity	1	1	A number of horizontal lines in an image	65
14.010	TVPS	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:ImageVerticalPixelDensityValue	1	1	A transmitted pixel density in the vertical direction	1000
14.003	IMP	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:FingerprintImageImpressionCaptureCategoryCode	1	1	A kind of impression capture by which a fingerprint image information was obtained	2
14.013	FGP	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:FingerPositionCode	1	1	A finger position code	19
14.014	PPD	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:FingerprintImageMajorCasePrint	0	1	A set of information required when finger position code is "19" complete friction ridge exemplars	
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageMajorCasePrint/	ansi-nist:FingerPositionCode	0	1	A finger position code	8
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageMajorCasePrint/	ansi-nist:MajorCasePrintCode	0	1	A portion of the EJI or tip image in the database to search	EJI
14.015	PPC	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageMajorCasePrint/	ansi-nist:MajorCasePrintSegmentOffset	0	12	A set of data describing the type and location of segments within a complete friction ridge exemplars image or slap print image	
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentBottomVerticalCoordinateValue	1	1	A bottom vertical offset of a segment box within an image in pixels	85
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentLocationCode	1	1	A location of a segment of a finger, e.g. distal, medial, or proximal	DST

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentFingerViewCode	1	1	A kind of full finger view	FV3
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentLeftHorizontalCoordinateValue	1	1	A left horizontal offset of a segment box within an image in pixels	115
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentRightHorizontalCoordinateValue	1	1	A right horizontal offset of a segment box within an image in pixels	188
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageMajorCasePrint/ ansi-nist:MajorCasePrintSegmentOffset/	ansi-nist:SegmentTopVerticalCoordinateValue	1	1	A top vertical offset of a segment box within an image in pixels	55
14.018	AMP	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	itl:FingerprintImageFingerMissing	0	4	A missing finger in a fingerprint image. Deprecated in favor of biom:FingerprintImageFingerMissing.	
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageFingerMissing/	ansi-nist:FingerPositionCode	1	1	A finger position code	10
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageFingerMissing/	itl:FingerMissingCode	1	1	A reason for a missing finger from a fingerprint image. Deprecated in favor of biom:FingerMissingCode.	XX
14.021	SEG	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	itl:FingerprintImageSegmentPositionSquare	0	4	A square segment position for a particular fingerprint. Deprecated in favor of biom:FingerprintImageSegmentPositionSquare.	
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageSegmentPositionSquare/	ansi-nist:FingerPositionCode	1	1	A finger position code	8
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageSegmentPositionSquare/	ansi-nist:SegmentBottomVerticalCoordinateValue	1	1	A bottom vertical offset of a segment box within an image in pixels	50
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageSegmentPositionSquare/	ansi-nist:SegmentLeftHorizontalCoordinateValue	1	1	A left horizontal offset of a segment box within an image in pixels	10

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageSegmentPositionSquare/	ansi-nist:SegmentRightHorizontalCoordinateValue	1	1	A right horizontal offset of a segment box within an image in pixels	30
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageSegmentPositionSquare/	ansi-nist:SegmentTopVerticalCoordinateValue	1	1	A top vertical offset of a segment box within an image in pixels	10
14.023	SQM	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:FingerprintImageSegmentationQuality	0	5	A measure of accuracy of a slap print segmentation	
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageSegmentationQuality/	ansi-nist:FingerPositionCode	1	1	A finger position code	1
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageSegmentationQuality/	ansi-nist:QualityAlgorithmProductIdentification/ nc:IdentificationID	1	1	An identification of a product assigned by a vendor to the quality algorithm	28495
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageSegmentationQuality/	ansi-nist:QualityAlgorithmVendorIdentification/ nc:IdentificationID	1	1	An identification of a vendor of a quality algorithm	88
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageSegmentationQuality/	ansi-nist:QualityValue	1	1	A value of the quality of a particular sample	100
14.024	FQM	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	itl:FingerprintImageQuality	0	5	A quality measure of a fingerprint. Deprecated in favor of biom:FingerprintImageQuality.	
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageQuality/	ansi-nist:FingerPositionCode	1	1	A finger position code	8
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageQuality/	ansi-nist:QualityAlgorithmProductIdentification/ nc:IdentificationID	1	1	An identification of a product assigned by a vendor to the quality algorithm	28495
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageQuality/	ansi-nist:QualityAlgorithmVendorIdentification/ nc:IdentificationID	1	1	An identification of a vendor of a quality algorithm	88
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ itl:FingerprintImageQuality/	ansi-nist:QualityValue	1	1	A value of the quality of a particular sample	100

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
14.025	ASEG	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:FingerprintImageSegmentPositionPolygon	0	5	A fingerprint image segment position polygon	
-----	FRAS	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageSegmentPositionPolygon/	ansi-nist:FingerPositionCode	1	1	A finger position code	8
-----	NOP	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageSegmentPositionPolygon/	ansi-nist:PositionPolygonVertexQuantity	1	1	A number of vertices in a position polygon	4
-----	-----	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageSegmentPositionPolygon/	ansi-nist:PositionPolygonVertex	3	99	A vertex in a position polygon	
-----	HPO	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageSegmentPositionPolygon/ ansi-nist:PositionPolygonVertex/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	100
-----	VPO	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/ ansi-nist:FingerprintImageSegmentPositionPolygon/ ansi-nist:PositionPolygonVertex/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	15
14.031	FAP	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:FingerprintImageAcquisitionProfileCode	0	1	A set of criteria under which the fingerprint image was captured	20
14.027	SIF	itl:PackageFingerprintImageRecord/ itl:FingerprintImage/	ansi-nist:FingerprintImageStitchedIndicator	0	1	True if the image was formed by stitching together separately captured images; false otherwise.	false
-----	-----		itl:PackagePalmprintImageRecord	0	*	A Type-15 variable-resolution palmprint image record	
15.001	RCC	itl:PackagePalmprintImageRecord/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	15
15.002	IDC	itl:PackagePalmprintImageRecord/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	08

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
15.200	ISC	itl:PackagePalmprintImageRecord/	ebts:Type15UserDefinedFields/ ebts:ImageSourceCode	0	*	A user-defined field to contain additional Type-15 data elements required by EBTS that are not defined in the ANSI/NIST-ITL standard	1
-----	-----	itl:PackagePalmprintImageRecord/	itl:PalmprintImage	1	1	An image of a palmprint. Deprecated in favor of biom:PalmprintImage.	
15.999	DAT	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	nc:BinaryBase64Object	0	1	A binary encoding of data.	mrHbPdrko3 u1s7ahtgPB jtmO1s85tfG 2U7bpofY9 4 Czu2SbY7d7 wF9fQ7Zptg GrtkO2a2dsJ 7wZbe 8Blzv AmQ7xq+Y9 4GoHeEsR3 ikWd4DIGhz mp3k42 d4D Rmzs94DKv eDTB3hqw6 PeBLrtpPep 0H/+h
15.012	BPX	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:ImageBitsPerPixelQuantity	1	1	A number of bits used to represent a pixel	8
-----	-----	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:ImageCaptureDetail	1	1	A set of information regarding the captured (e.g., scanned) image	
15.005	PCD	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDate/ nc:Date	1	1	A date that an image was captured	2007-01-01
15.016	SHPS	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureHorizontalPixelDensityValue	0	1	A scanned pixel density in horizontal direction	500
15.004	SRC	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureOrganization	1	1	An organization that originally captured an image	
-----	-----	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	1	1	An identification that references an organization.	WI013415Y

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationName	0	1	A name of an organization.	WI CRIME INFORMATION BUREAU
15.017	SVPS	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureVerticalPixelDensityValue	0	1	A scanned pixel density in the vertical direction	500
15.030	DMM	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDeviceMonitoringModeCode	1	1	A level of human monitoring for an image capture device	ASSISTED
15.020	COM	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:ImageCommentText	0	1	A comment regarding an image	A comment
15.011	CGA	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:ImageCompressionAlgorithmText	1	1	An image compression algorithm	WSQ20
15.006	HLL	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:ImageHorizontalLineLengthPixelQuantity	1	1	A number of pixels on a single horizontal line of an image	80
15.009	THPS	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:ImageHorizontalPixelDensityValue	1	1	A transmitted pixel density in horizontal direction	500
15.008	SLC	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:ImageScaleUnitsCode	1	1	A sampling frequency unit designator, pixels per inch, or pixels per centimeter	1
15.007	VLL	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:ImageVerticalLineLengthPixelQuantity	1	1	A number of horizontal lines in an image	65
15.010	TVPS	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:ImageVerticalPixelDensityValue	1	1	A transmitted pixel density in the vertical direction	500
15.003	IMP	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:FingerprintImageImpressionCaptureCategoryCode	1	1	A kind of impression capture by which a fingerprint image information was obtained	10
15.013	PLP	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	ansi-nist:PalmPositionCode	1	1	A location on the palm that a print represents	20
15.024	PQM	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/	itl:PalmprintImageQuality	0	9	A quality measure of a palm print. Deprecated in favor of biom:PalmprintImageQuality.	

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ itl:PalmprintImageQuality/	ansi-nist:PalmPositionCode	1	1	A location on the palm that a print represents	28
-----	-----	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ itl:PalmprintImageQuality/	ansi-nist:QualityAlgorithmProductIdentification/ nc:IdentificationID	1	1	An identification of a product assigned by a vendor to the quality algorithm	28495
-----	-----	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ itl:PalmprintImageQuality/	ansi-nist:QualityAlgorithmVendorIdentification/ nc:IdentificationID	1	1	An identification of a vendor of a quality algorithm	FFF0
-----	-----	itl:PackagePalmprintImageRecord/ itl:PalmprintImage/ itl:PalmprintImageQuality/	ansi-nist:QualityValue	1	1	A value of the quality of a particular sample	100
-----	-----		itl:PackageIrisImageRecord	0	*	A Type-17 iris image record	
17.001	RCC	itl:PackageIrisImageRecord/	ansi-nist:RecordCategoryCode	1	1	A kind of record, for example 1 for Type-1, 14 for Type-14	17
17.002	IDC	itl:PackageIrisImageRecord/	ansi-nist:ImageReferenceIdentification/ nc:IdentificationID	1	1	An identification of a particular record in a transaction	19
17.902	ANN	itl:PackageIrisImageRecord/	ansi-nist:ProcessAnnotation	0	*	A set of elements describing, or logging, a single step in a biometric processing algorithm or workstation	
-----	GMT	itl:PackageIrisImageRecord/ ansi-nist:ProcessAnnotation/	ansi-nist:ProcessUTCDate/ nc:DateTime	1	1	A date and time for a biometric processing algorithm	2011-11-05T05:25:00Z
-----	NAV	itl:PackageIrisImageRecord/ ansi-nist:ProcessAnnotation/	ansi-nist:ProcessName	1	1	A name of a biometric processing algorithm or workstation, along with a version number	A process name
-----	OWN	itl:PackageIrisImageRecord/ ansi-nist:ProcessAnnotation/	ansi-nist:ProcessOwnerText	1	1	A set of contact information for the organization that owns the biometric processing algorithm or latent workstation	A process owner

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	PRO	itl:PackageIrisImageRecord/ ansi-nist:ProcessAnnotation/	ansi-nist:ProcessDescriptionText	1	1	A description of a biometric process or procedure applied to an image	A process description
17.995	ASC	itl:PackageIrisImageRecord/	ansi-nist:AssociatedContext	0	255	A set of identifiers pointing to an associated context representation	
-----	ACN	itl:PackageIrisImageRecord/ ansi-nist:AssociatedContext/	ansi-nist:ContextIdentification/ nc:IdentificationID	1	1	An identification of an associated context representation	0
-----	ASP	itl:PackageIrisImageRecord/ ansi-nist:AssociatedContext/	ansi-nist:ImageSegmentIdentification/ nc:IdentificationID	0	1	An identification of an image segment	99
17.996	HAS	itl:PackageIrisImageRecord/	ansi-nist:ImageHashValue	0	1	A hash value computed from a binary object, like an image	5108B86727 517A02D8A2 8AEC62E67 E05F9AE7E 8913A77364 1D486841FD E8F941
17.997	SOR	itl:PackageIrisImageRecord/	ansi-nist:SourceRepresentation	0	255	A set of identifiers pointing to a source representation	
-----	SRN	itl:PackageIrisImageRecord/ ansi-nist:SourceRepresentation/	ansi-nist:SourceIdentification/ nc:IdentificationID	1	1	An identification of a source representation	0
-----	RSP	itl:PackageIrisImageRecord/ ansi-nist:SourceRepresentation/	ansi-nist:ImageSegmentIdentification/ nc:IdentificationID	0	1	An identification of an image segment	99
-----	-----	itl:PackageIrisImageRecord/	ansi-nist:IrisImage	1	1	An image of an iris	
17.999	DATA	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	nc:BinaryBase64Object	0	1	A binary encoding of data.	mrHbPdrko3 u1s7ahtgPB jtmO1s85tfG 2U7bpofY9 4 Czu2SbY7d7 wF9fQ7Zptg GrtkO2a2dsJ 7wZbe 8Blzv AmQ7xq+Y9 4GoHeEsR3 ikWd4DIGhz mp3k42 d4D Rmzs94DKv eDTB3hqw6 PeBLrtpPep 0H/+h

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
17.012	BPX	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageBitsPerPixelQuantity	0	1	A number of bits used to represent a pixel	8
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageCaptureDetail	1	1	A set of information regarding the captured (e.g., scanned) image	
17.998	GEO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureLocation	0	1	A location where a biometric sample was collected	
-----	GRT	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/	nc:LocationDescriptionText	0	1	A description of a location.	Corner of Washington and Madison, Geneva, NY
-----	ELE	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/	nc:LocationGeographicElevation/ nc:MeasurePointValue	0	1	A measure of the distance of a point on the Earth from sea level.	159
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/	ansi-nist:LocationTwoDimensionalGeographicCoordinate	0	1	A location identified by a latitude and longitude	
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	0	1	A measurement of the angular distance between a point on the Earth and the Equator.	
-----	LTD	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	0	1	A value that specifies the degree of a latitude. The value comes from a restricted range between -90 (inclusive) and +90 (inclusive).	42
-----	LTM	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	0	1	A value that specifies a minute of a degree. The value comes from a restricted range of 0 (inclusive) to 60 (exclusive).	51

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	LTS	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	0	1	A value that specifies a second of a minute. The value comes from a restricted range of 0 (inclusive) to 60 (exclusive).	48
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	0	1	A measurement of the angular distance between a point on the Earth and the Prime Meridian.	
-----	LGD	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	0	1	A value that specifies the degree of a longitude. The value comes from a restricted range between -180 (inclusive) and +180 (exclusive).	76
-----	LGM	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	0	1	A value that specifies a minute of a degree. The value comes from a restricted range of 0 (inclusive) to 60 (exclusive).	59
-----	LGS	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	0	1	A value that specifies a second of a minute. The value comes from a restricted range of 0 (inclusive) to 60 (exclusive).	24
-----	GDC	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationTwoDimensionalGeographicCoordinate/	ansi-nist:GeodeticDatumCoordinateSystemCode	0	1	A geospatial coordinate system for latitude and longitude values	WGS84

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/	nc:LocationUTMCoordinate	0	1	A coordinate from the Universal Transverse Mercator (UTM) Coordinate System, which represents a location with a grid zone, an easting value, and a northing value.	
-----	GCE	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	0	1	A distance east within a UTM zone.	337436
-----	GCM	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	0	1	An identifier of a UTM grid zone.	18T
-----	GCN	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	0	1	A distance north within a UTM zone.	4747558
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/	ansi-nist:LocationAlternateGeographicSystemValue	0	1	A location identified by a system name and value	
-----	OSI	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationAlternateGeographicSystemValue/	ansi-nist:GeographicLocationSystemName	1	1	A name of a geographic coordinate system	LANDMARK
-----	OCV	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureLocation/ ansi-nist:LocationAlternateGeographicSystemValue/	ansi-nist:GeographicLocationText	1	1	A geographic location	Hydrant NW 31
-----	UTE	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureUTCDateTime/ nc:DateTime	0	1	A UTC date and time for the capture of a biometric sample	2011-11-05T 05:25:00Z
17.005	ICD	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDate/ nc:Date	1	1	A date that an image was captured	1953-04-23

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
17.017	DUI	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDeviceIdentification/ nc:IdentificationID	0	1	An identification of a capture device or source of an image	P270NEIS67 830000
17.019	MAK	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDeviceMakeText	0	1	A make of an image capture device	RGT88
17.019	MOD	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDeviceModelText	0	1	A model of an image capture device	PEARL
17.019	SER	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDeviceSerialNumberText	0	1	A serial number of the image capture device	2838590029 395784-4
17.022	SHPS	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureHorizontalPixelDensityValue	0	1	A scanned pixel density in horizontal direction	500
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureOrganization	1	1	An organization that originally captured an image	
17.004	SRC	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	1	1	An identification that references an organization.	WI013415Y
17.993	SAN	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/ ansi-nist:CaptureOrganization/	nc:OrganizationName	0	1	A name of an organization.	WI Crime Inf ormation Bu reau
17.023	SVPS	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureVerticalPixelDensityValue	0	1	A scanned pixel density in the vertical direction	500
17.030	DMM	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageCaptureDetail/	ansi-nist:CaptureDeviceMonitoringModeCode	0	1	A level of human monitoring for an image capture device	ASSISTED
17.013	CSP	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageColorSpaceCode	0	1	A color space used to exchange an image	YCC
17.021	COM	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageCommentText	0	1	A comment regarding an image	Comment
17.011	CGA	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageCompressionAlgorithmText	0	1	An image compression algorithm	JPEGB

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
17.006	HLL	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageHorizontalLineLengthPixelQuantity	0	1	A number of pixels on a single horizontal line of an image	80
17.009	THPS	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageHorizontalPixelDensityValue	0	1	A transmitted pixel density in horizontal direction	1200
17.024	IQS	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageQuality	0	9	A set of details about the quality of an image	
-----	QAP	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageQuality/	ansi-nist:QualityAlgorithmProductIdentification/ nc:IdentificationID	1	1	An identification of a product assigned by a vendor to the quality algorithm	28495
-----	QVU	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageQuality/	ansi-nist:QualityValue	1	1	A value of the quality of a particular sample	100
-----	QAV	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:ImageQuality/	ansi-nist:QualityAlgorithmVendorIdentification/ nc:IdentificationID	1	1	An identification of a vendor of a quality algorithm	FFF0
17.008	SLC	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageScaleUnitsCode	0	1	A sampling frequency unit designator, pixels per inch, or pixels per centimeter	1
17.007	VLL	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageVerticalLineLengthPixelQuantity	0	1	A number of horizontal lines in an image	65
17.010	TVPS	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:ImageVerticalPixelDensityValue	0	1	A transmitted pixel density in the vertical direction	1200
17.003	ELR	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisEyePositionCode	1	1	A designator of which eye is represented by the image	2
17.014	RAE	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisEyeRotationAngleText	0	1	A rotation angle of an image	8192
17.015	RAU	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisEyeRotationUncertaintyValueText	0	1	An image rotation uncertainty	FFFF
17.016	IPC	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageCapture	0	1	An iris image capture	
-----	IHO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageCapture/	ansi-nist:IrisImageHorizontalOrientationCode	1	1	A horizontal orientation of an image	2

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	IST	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageCapture/	ansi-nist:IrisImageScanCategoryCode	1	1	A kind of iris image scan	1
-----	IVO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageCapture/	ansi-nist:IrisImageVerticalOrientationCode	1	1	A vertical orientation of an image	1
17.020	ECL	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisEyeColorAttributeCode	0	1	An eye color code	MUL
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageAcquisitionLightingSpectrum	0	1	A lighting spectrum used in capturing an iris image	
17.025	EAS	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageAcquisitionLightingSpectrum/	ansi-nist:AcquisitionLightingSpectrumCode	0	1	A lighting spectrum used in capturing an image	VIS
17.027	LOW	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageAcquisitionLightingSpectrum/	ansi-nist:AcquisitionLightingSpectrumLowerMeasure	0	1	A lower value in nanometers for the lighting spectrum used in capturing an iris image	500
17.027	HIG	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageAcquisitionLightingSpectrum/	ansi-nist:AcquisitionLightingSpectrumUpperMeasure	0	1	An upper value in nanometers for the lighting spectrum used in capturing an iris image	700
17.026	IRD	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisDiameterPixelQuantity	0	1	A number of pixels in the diameter of an iris	304
17.028	DME	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageMissingReasonCode	0	1	A reason for a missing iris image	MA
17.031	IAP	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageAcquisitionProfileCode	0	1	A set of criteria under which the iris image was captured	20
17.032	ISF	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageStorageFormatCode	0	1	A data type for a storage format used for this iris image	3
17.033	IPB	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageIrisPupilBoundary	0	1	An iris-pupil boundary in an iris image	
-----	BYC	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisPupilBoundary/	ansi-nist:IrisBoundaryShapeCode	1	1	A shape of a boundary between an iris and other features in an iris image	P
-----	NOP	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisPupilBoundary/	ansi-nist:ImageFeatureVertexQuantity	1	1	A number of coordinate points in an image polyline or polygon	4

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisPupilBoundary/	ansi-nist:ImageFeatureVertex	2	99	A vertex in a position path	
-----	HPO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisPupilBoundary/ ansi-nist:ImageFeatureVertex/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	100
-----	VPO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisPupilBoundary/ ansi-nist:ImageFeatureVertex/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	15
17.034	ISB	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageIrisScleraBoundary	0	1	An iris-sclera boundary in an iris image	
-----	BYC	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisScleraBoundary/	ansi-nist:IrisBoundaryShapeCode	1	1	A shape of a boundary between an iris and other features in an iris image	P
-----	NOP	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisScleraBoundary/	ansi-nist:ImageFeatureVertexQuantity	1	1	A number of coordinate points in an image polyline or polygon	4
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisScleraBoundary/	ansi-nist:ImageFeatureVertex	2	99	A vertex in a position path	
-----	HPO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisScleraBoundary/ ansi-nist:ImageFeatureVertex/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	100
-----	VPO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisScleraBoundary/ ansi-nist:ImageFeatureVertex/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	15
17.035	UEB	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageIrisUpperEyelidBoundary	0	1	An iris-upper eyelid boundary in an iris image	
-----	BYC	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisUpperEyelidBoundary/	ansi-nist:IrisBoundaryShapeCode	1	1	A shape of a boundary between an iris and other features in an iris image	P
-----	NOP	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisUpperEyelidBoundary/	ansi-nist:ImageFeatureVertexQuantity	1	1	A number of coordinate points in an image polyline or polygon	4

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisUpperEyelidBoundary/	ansi-nist:ImageFeatureVertex	3	99	A vertex in a position path	
-----	HPO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisUpperEyelidBoundary/ ansi-nist:ImageFeatureVertex/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	100
-----	VPO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisUpperEyelidBoundary/ ansi-nist:ImageFeatureVertex/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	15
17.036	LEB	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageIrisLowerEyelidBoundary	0	1	An iris-lower eyelid boundary in an iris image	
-----	BYC	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisLowerEyelidBoundary/	ansi-nist:IrisBoundaryShapeCode	1	1	A shape of a boundary between an iris and other features in an iris image	P
-----	NOP	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisLowerEyelidBoundary/	ansi-nist:ImageFeatureVertexQuantity	1	1	A number of coordinate points in an image polyline or polygon	4
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisLowerEyelidBoundary/	ansi-nist:ImageFeatureVertex	3	99	A vertex in a position path	
-----	HPO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisLowerEyelidBoundary/ ansi-nist:ImageFeatureVertex/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	100
-----	VPO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageIrisLowerEyelidBoundary/ ansi-nist:ImageFeatureVertex/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	15
17.037	NEO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageOcclusion	0	*	A blockage in an iris image	
-----	OCY	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageOcclusion/	ansi-nist:IrisImageOcclusionOpacityCode	1	1	An opacity of a blockage in an iris image	L
-----	OCT	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageOcclusion/	ansi-nist:IrisImageOcclusionCategoryCode	1	1	A kind of blockage in an iris image	O

Field Number	Field Mnemonic	Parent	NIEM Element	Min	Max	Definition	Example
-----	NOP	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageOcclusion/	ansi-nist:ImageFeatureVertexQuantity	1	1	A number of coordinate points in an image polyline or polygon	3
-----	-----	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageOcclusion/	ansi-nist:ImageFeatureVertex	3	99	A vertex in a position path	
-----	HPO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageOcclusion/ ansi-nist:ImageFeatureVertex/	ansi-nist:PositionHorizontalCoordinateValue	1	1	A feature's X coordinate	225
-----	VPO	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/ ansi-nist:IrisImageOcclusion/ ansi-nist:ImageFeatureVertex/	ansi-nist:PositionVerticalCoordinateValue	1	1	A feature's Y coordinate	313
17.040	RAN	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageRangeMeasure	0	1	An estimated distance in centimeters from the camera to the iris for this iris image	600
17.041	GAZ	itl:PackageIrisImageRecord/ ansi-nist:IrisImage/	ansi-nist:IrisImageGazeAngleMeasure	0	1	An angular extent (off front angle) in degrees imaged by the camera for this iris image	0

*Deprecated Elements Appear struck-out with a gray background.
Future Capabilities are marked as such.*